

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060716\  
 Data File : BG022216.D  
 Acq On : 7 Jun 2016 22:48  
 Operator : UM/SJ  
 Sample : H3399-04  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GW-4

Quant Time: Jun 08 03:13:01 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  | 20905    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.93 | 136  | 101366   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.75 | 164  | 68816    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.49 | 188  | 168622   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.77 | 240  | 164306   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.07 | 264  | 154553   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.66  | 112  | 78516    | 72.62  | ng    | 0.00     |
| 7) Phenol-d6                | 7.27  | 99   | 72733    | 42.78  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.29  | 82   | 139484   | 95.93  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.23 | 330  | 114307   | 147.00 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.37 | 172  | 430516   | 95.34  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.08 | 244  | 706165   | 102.04 | ng    | 0.00     |

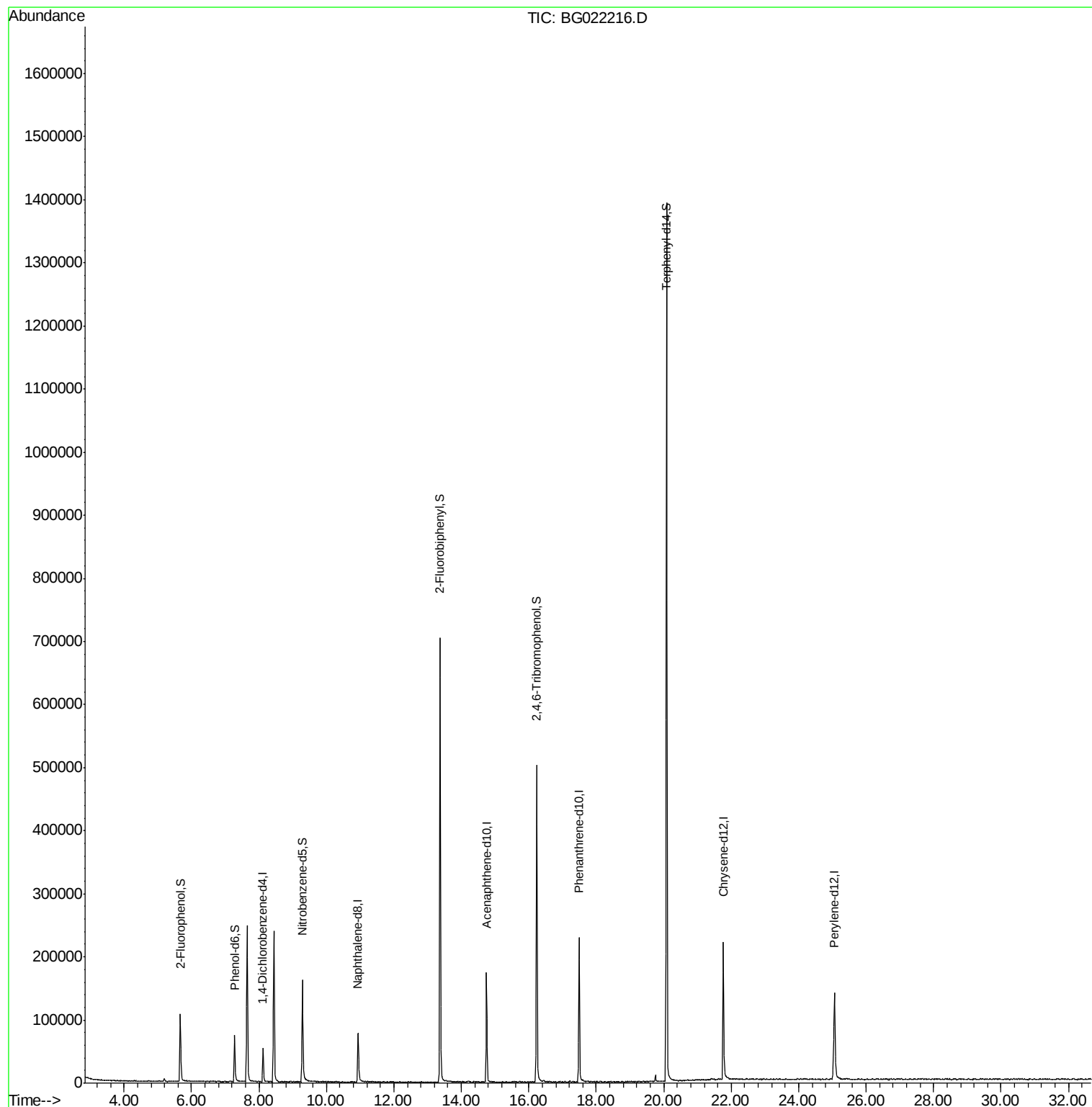
Target Compounds Qvalue

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.12 min Scan# 899

Delta R.T. -0.00 min

Lab File: BG022216.D

Acq: 7 Jun 2016 22:48

Instrument :

BNA\_G

ClientSampleId :

GW-4

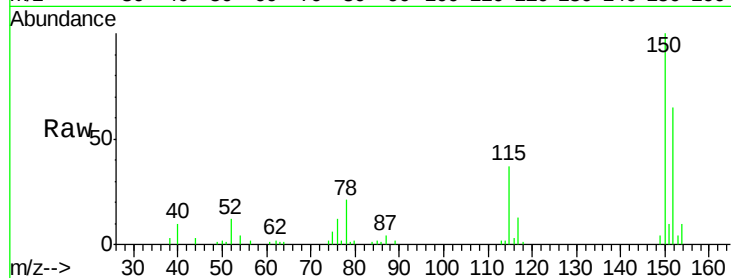
Tot Ion:152 Resp: 20905

Ion Ratio Lower Upper

152 100

150 152.8 130.1 195.1

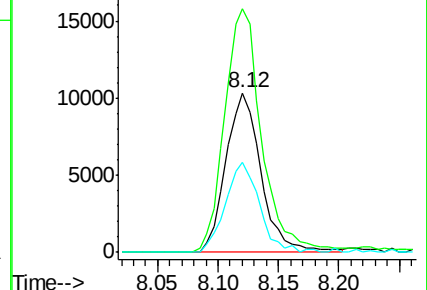
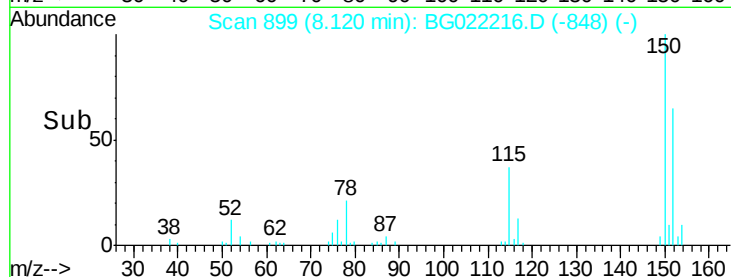
115 56.3 62.2 93.2#



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: 72.62 ng

RT: 5.66 min Scan# 481

Delta R.T. -0.00 min

Lab File: BG022216.D

Acq: 7 Jun 2016 22:48

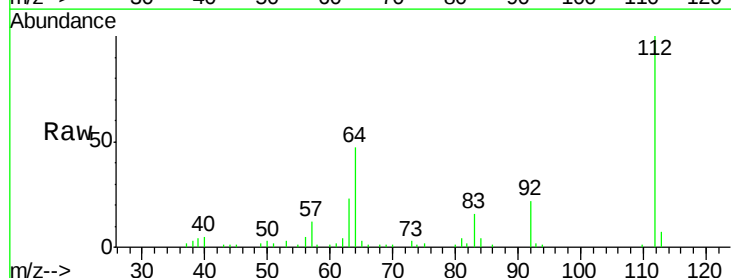
Tgt Ion:112 Resp: 78516

Ion Ratio Lower Upper

112 100

64 46.8 51.1 76.7#

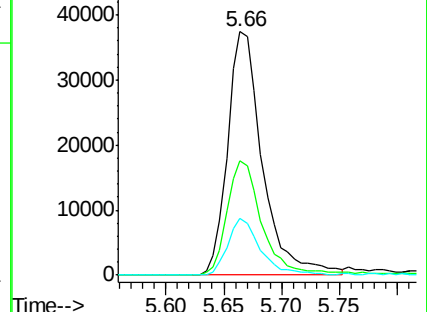
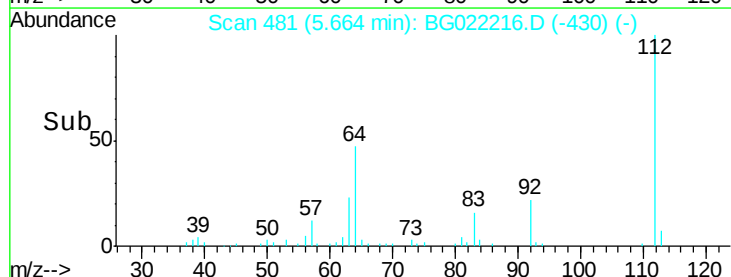
63 23.2 24.6 37.0#



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: 42.78 ng

RT: 7.27 min Scan# 755

Delta R.T. -0.00 min

Lab File: BG022216.D

Acq: 7 Jun 2016 22:48

Instrument :

BNA\_G

ClientSampleId :

GW-4

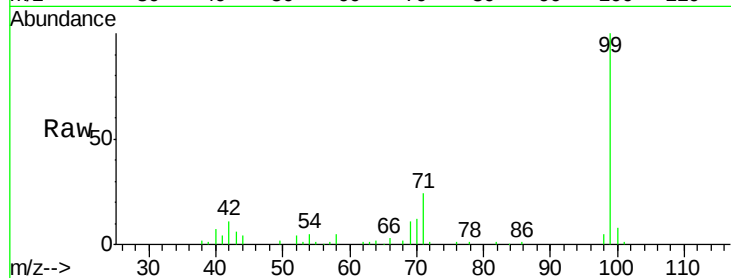
Tot Ion: 99 Resp: 72733

Ion Ratio Lower Upper

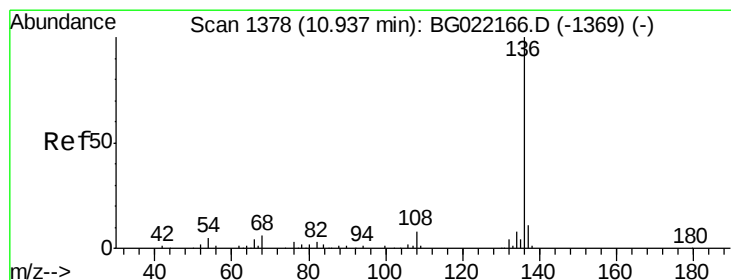
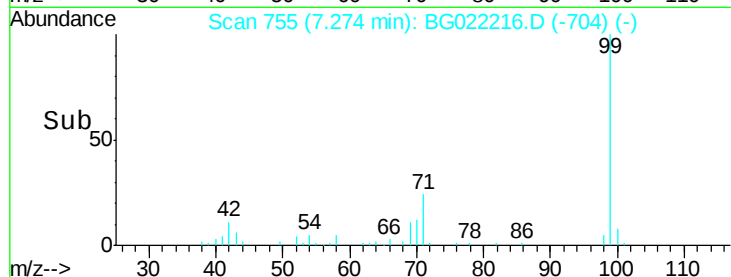
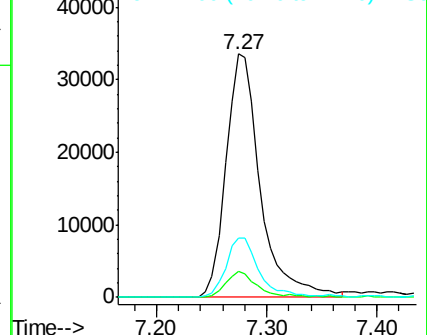
99 100

42 10.5 16.4 24.6#

71 24.4 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: BG022216.D

Acq: 7 Jun 2016 22:48

Tgt Ion: 136 Resp: 101366

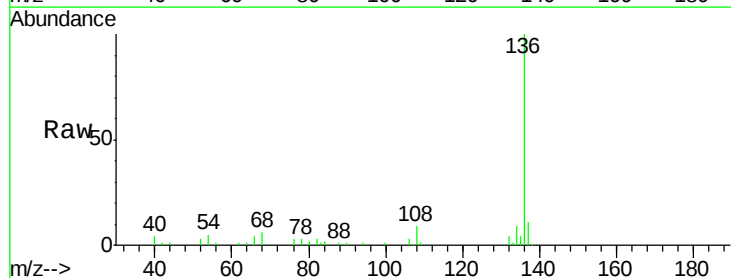
Ion Ratio Lower Upper

136 100

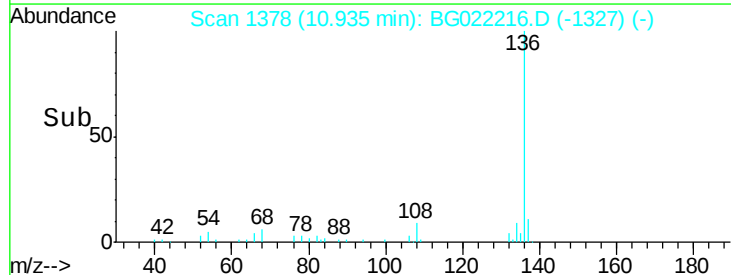
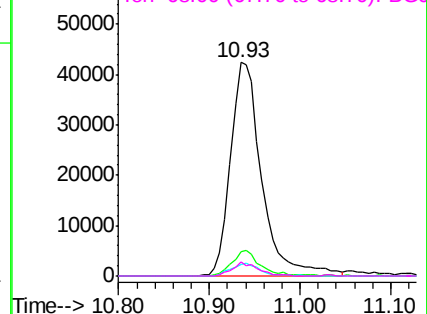
137 11.3 9.0 13.4

54 5.4 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

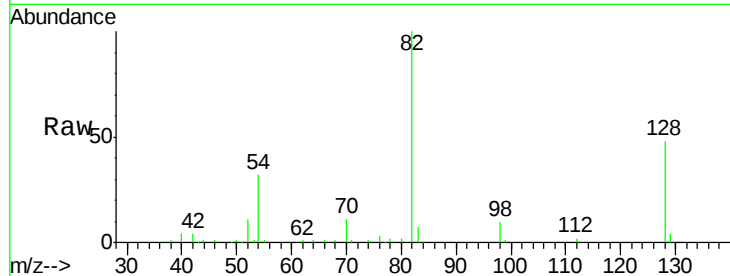




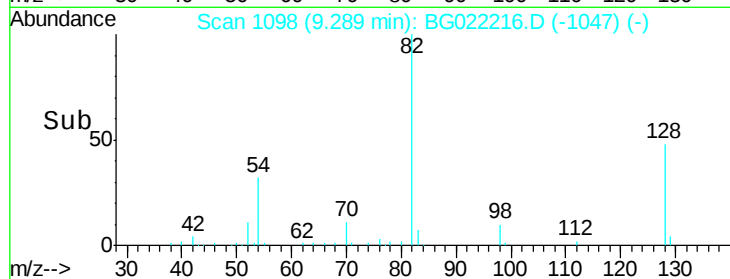
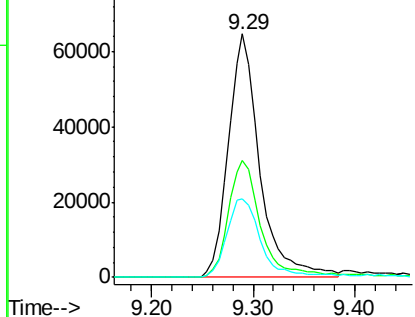
#23  
Nitrobenzene-d5  
Concen: 95.93 ng  
RT: 9.29 min Scan# 1098  
Delta R.T. -0.00 min  
Lab File: BG022216.D  
Acq: 7 Jun 2016 22:48

Instrument :  
BNA\_G  
ClientSampleId :  
GW-4

Tot Ion: 82 Resp: 139484  
Ion Ratio Lower Upper  
82 100  
128 48.1 33.4 50.0  
54 32.2 46.1 69.1#

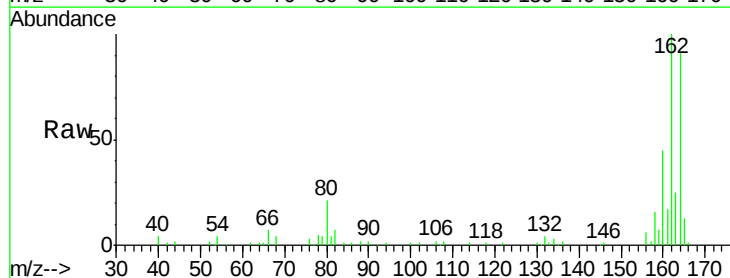


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

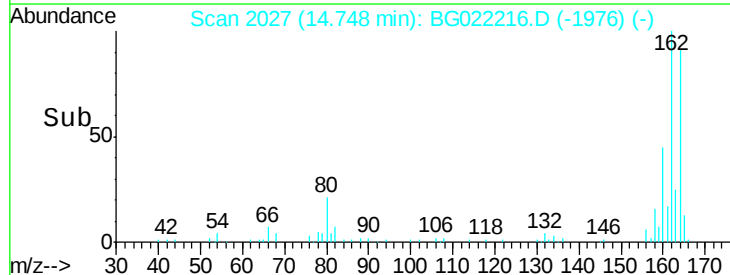
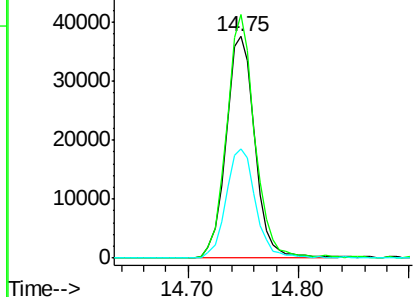


#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.75 min Scan# 2027  
Delta R.T. -0.00 min  
Lab File: BG022216.D  
Acq: 7 Jun 2016 22:48

Tgt Ion:164 Resp: 68816  
Ion Ratio Lower Upper  
164 100  
162 109.9 78.0 117.0  
160 49.3 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

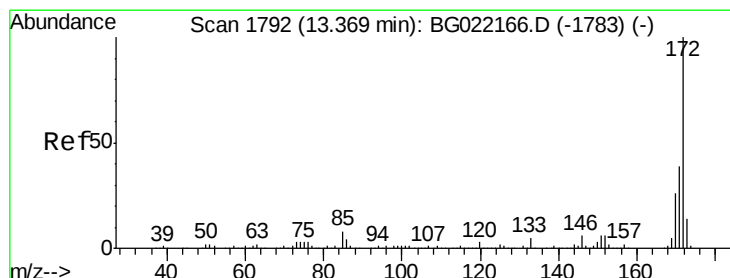
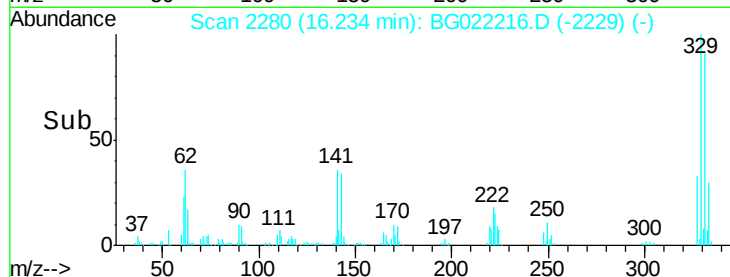
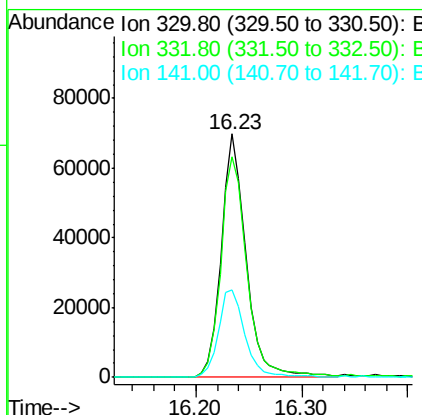
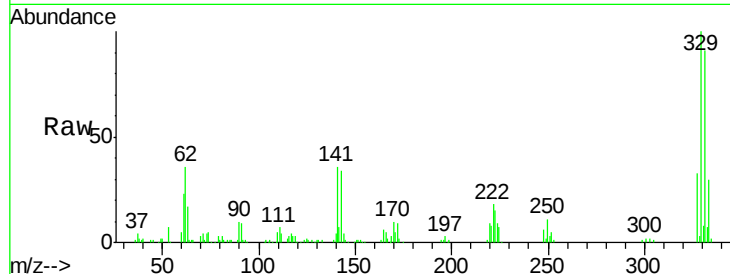




#41  
 2,4,6-Tribromophenol  
 Concen: 147.00 ng  
 RT: 16.23 min Scan# 2280  
 Delta R.T. -0.00 min  
 Lab File: BG022216.D  
 Acq: 7 Jun 2016 22:48

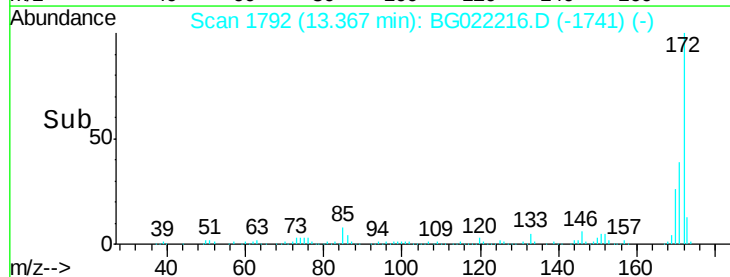
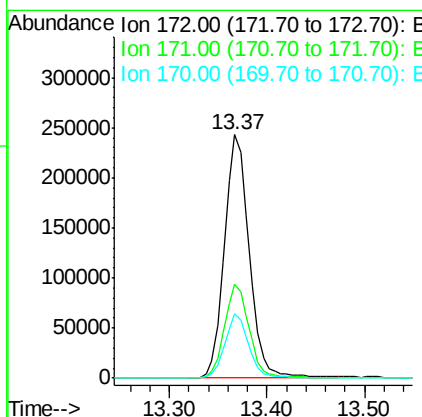
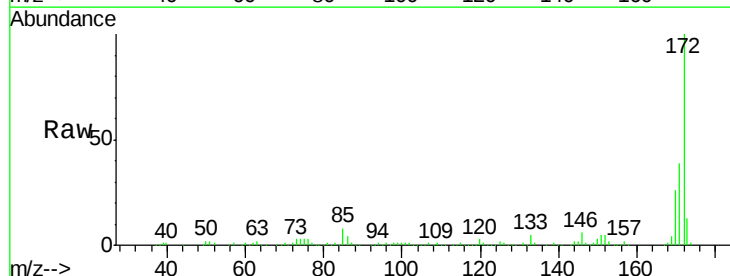
Instrument :  
 BNA\_G  
 ClientSampleId :  
 GW-4

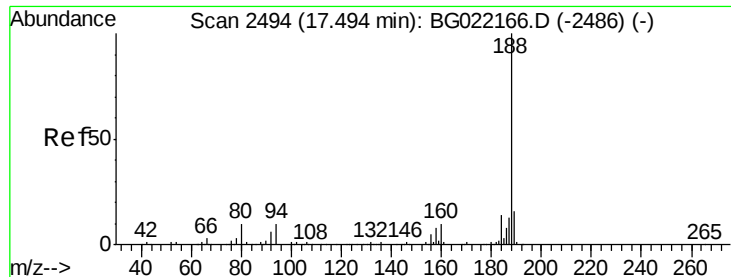
| Tot Ion   | 330    | 332   | 141  |
|-----------|--------|-------|------|
| Resp:     | 114307 |       |      |
| Ion Ratio | 100    | 94.9  | 38.3 |
| Lower     |        | 78.0  | 33.8 |
| Upper     |        | 117.0 | 50.8 |



#44  
 2-Fluorobiphenyl  
 Concen: 95.34 ng  
 RT: 13.37 min Scan# 1792  
 Delta R.T. -0.00 min  
 Lab File: BG022216.D  
 Acq: 7 Jun 2016 22:48

| Tgt Ion   | 172    | 171  | 170  |
|-----------|--------|------|------|
| Resp:     | 430516 |      |      |
| Ion Ratio | 100    | 38.6 | 26.5 |
| Lower     |        | 27.8 | 19.6 |
| Upper     |        | 41.6 | 29.4 |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.49 min Scan# 2494

Delta R.T. -0.00 min

Lab File: BG022216.D

Acq: 7 Jun 2016 22:48

Instrument :

BNA\_G

ClientSampleId :

GW-4

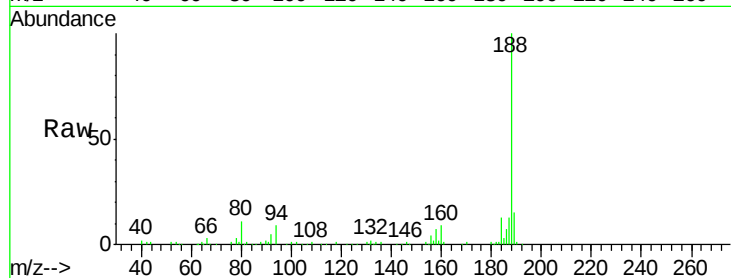
Tot Ion:188 Resp: 168622

Ion Ratio Lower Upper

188 100

94 9.5 7.5 11.3

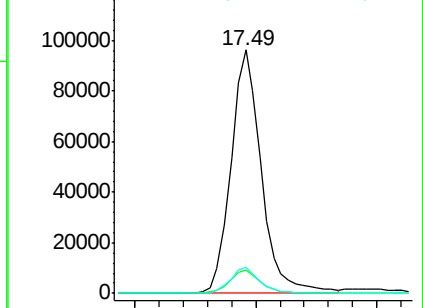
80 10.8 8.6 13.0



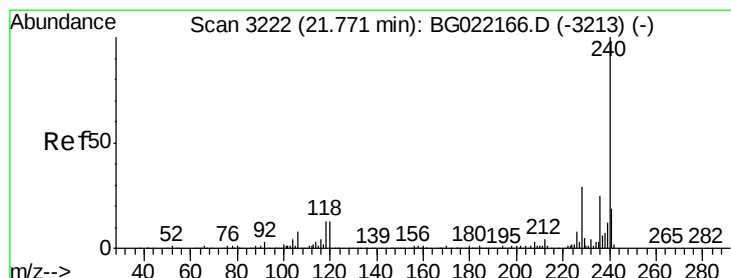
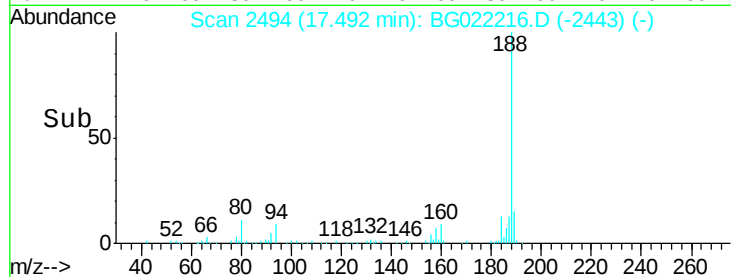
Abundance Ion 188.00 (187.70 to 188.70): E

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# 3222

Delta R.T. -0.00 min

Lab File: BG022216.D

Acq: 7 Jun 2016 22:48

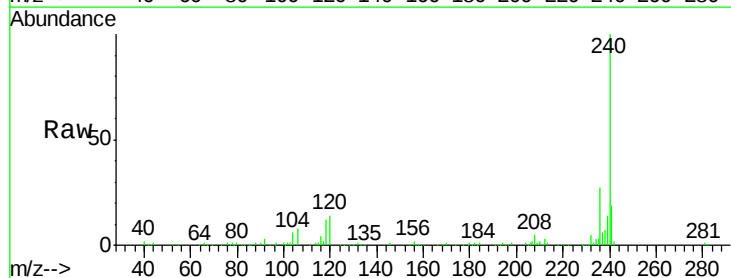
Tgt Ion:240 Resp: 164306

Ion Ratio Lower Upper

240 100

120 13.9 8.4 12.6#

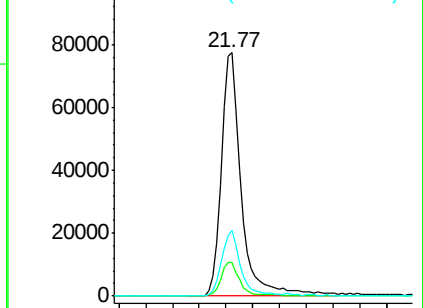
236 26.9 19.6 29.4



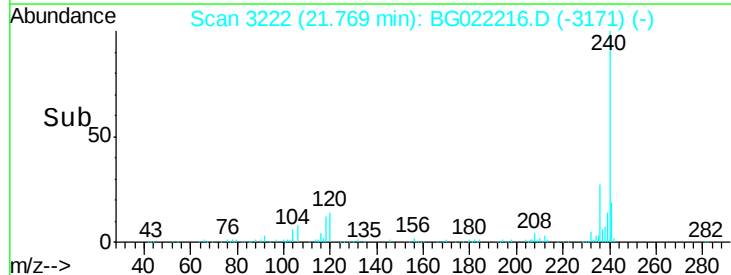
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 21.60 21.80 22.00





#78

Terphenyl-d14

Concen: 102.04 ng

RT: 20.08 min Scan# 2935

Delta R.T. -0.00 min

Lab File: BG022216.D

Acq: 7 Jun 2016 22:48

Instrument :

BNA\_G

ClientSampleId :

GW-4

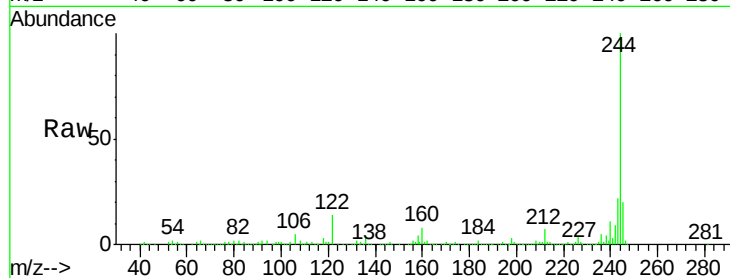
Tot Ion:244 Resp: 706165

Ion Ratio Lower Upper

244 100

212 7.5 6.5 9.7

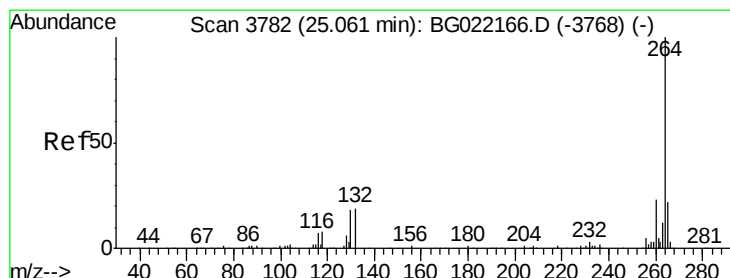
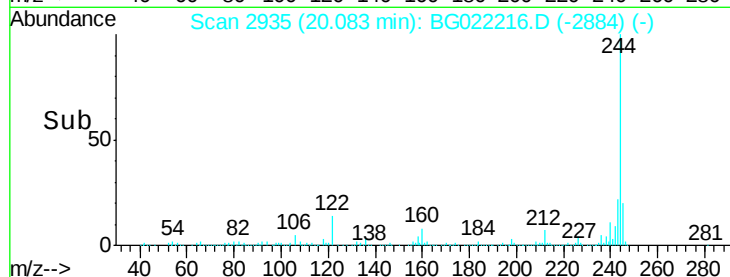
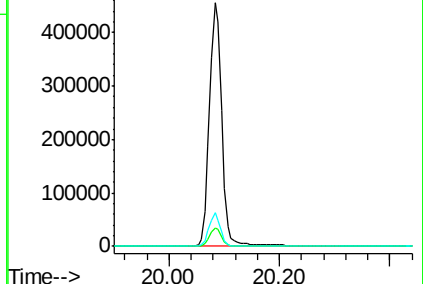
122 13.8 8.6 12.8#



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: 25.07 min Scan# 3783

Delta R.T. 0.00 min

Lab File: BG022216.D

Acq: 7 Jun 2016 22:48

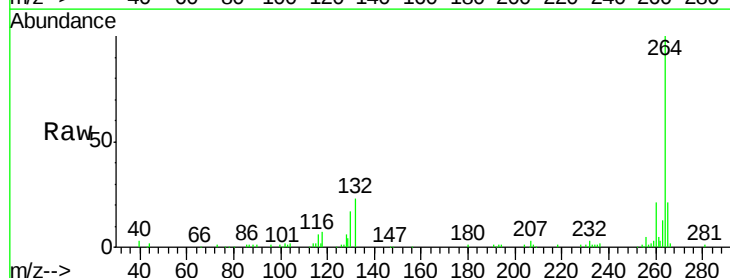
Tgt Ion:264 Resp: 154553

Ion Ratio Lower Upper

264 100

260 21.5 20.2 30.4

265 21.1 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

