

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062416\  
 Data File : BG022525.D  
 Acq On : 24 Jun 2016 4:54  
 Operator : UM/SJ  
 Sample : PB91536TB  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB91536TB

Quant Time: Jun 24 07:27:43 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 24 07:27:04 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.18  | 152  | 102262   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.00 | 136  | 406250   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.80 | 164  | 263872   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.55 | 188  | 683228   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.85 | 240  | 789294   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.22 | 264  | 768322   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.71  | 112  | 826822   | 130.92 | ng    | 0.00     |
| 7) Phenol-d6                | 7.32  | 99   | 1159731  | 131.59 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.34  | 82   | 815107   | 86.11  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.29 | 330  | 572349   | 139.25 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.43 | 172  | 1566276  | 90.69  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.16 | 244  | 2516918  | 98.66  | ng    | 0.00     |

Target Compounds Qvalue

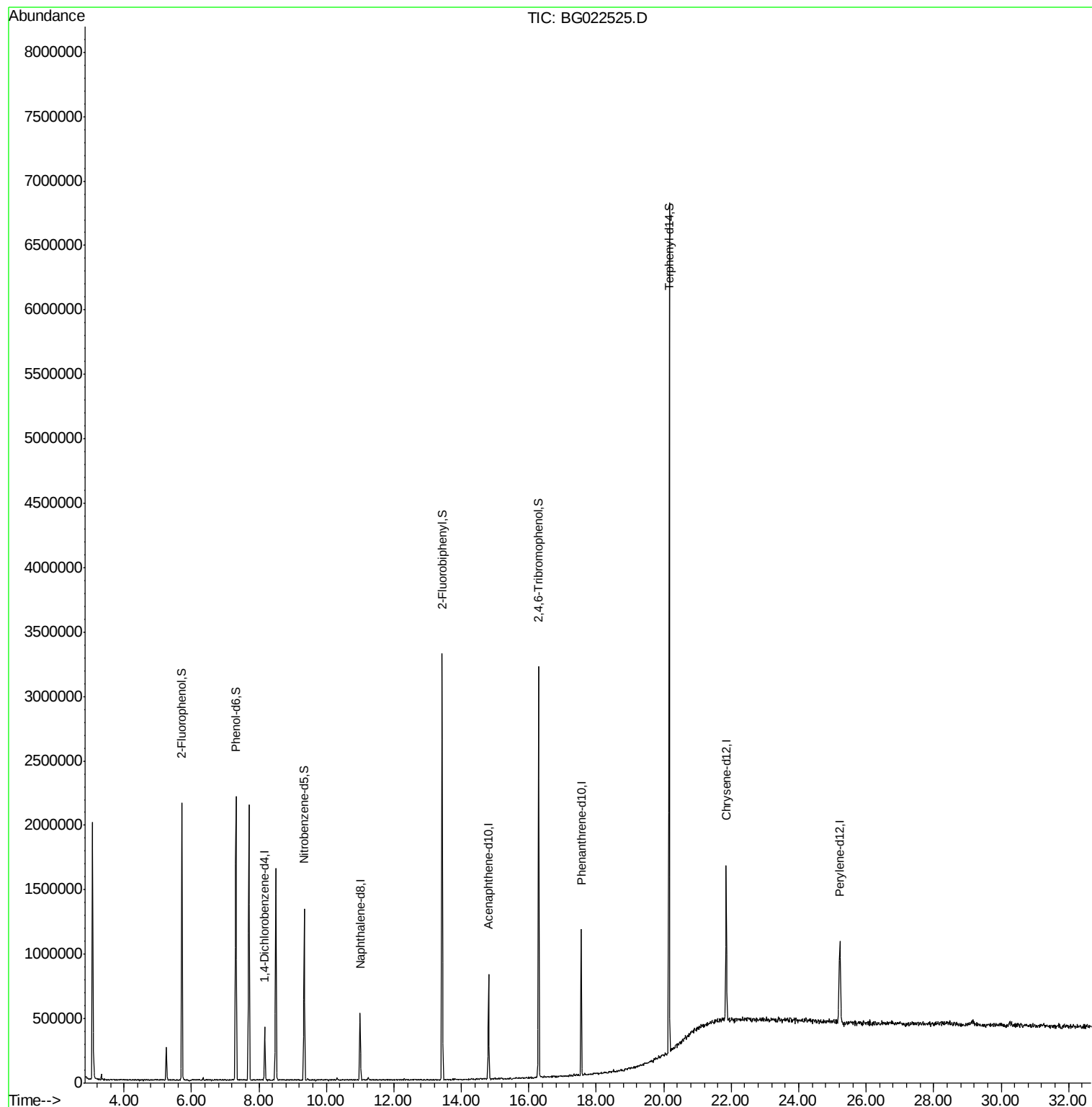
-----

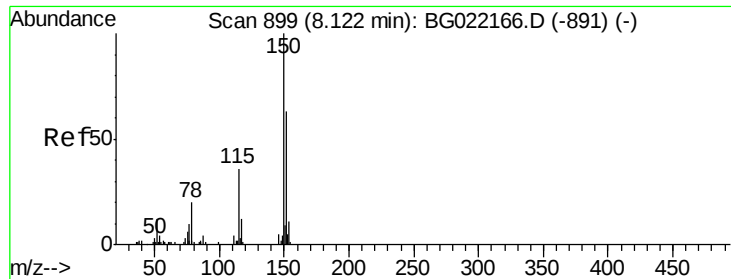
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062416\  
Data File : BG022525.D  
Acq On : 24 Jun 2016 4:54  
Operator : UM/SJ  
Sample : PB91536TB  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PB91536TB

Quant Time: Jun 24 07:27:43 2016  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062416.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 24 07:27:04 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.18 min Scan# 908

Delta R.T. -0.00 min

Lab File: BG022525.D

Acq: 24 Jun 2016 4:54

Instrument :

BNA\_G

ClientSampleId :

PB91536TB

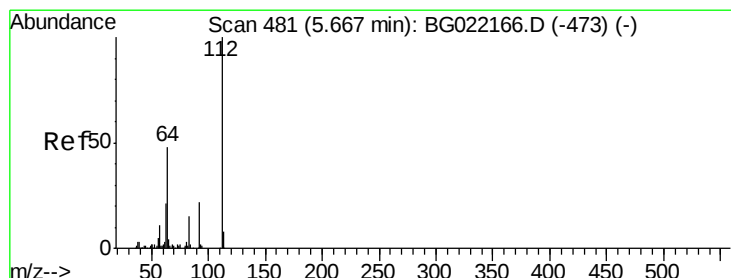
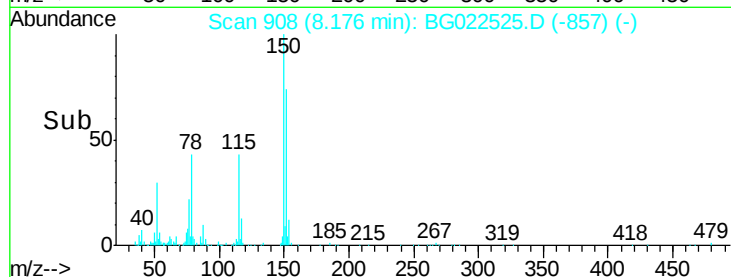
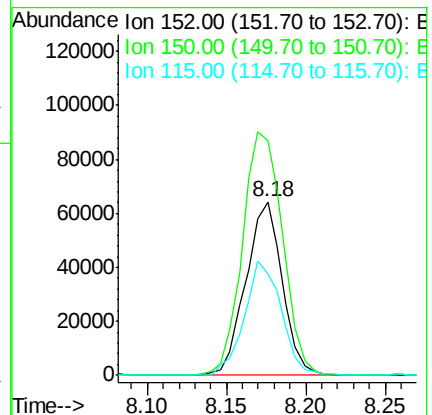
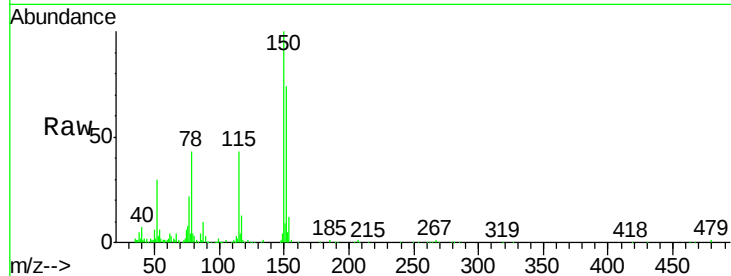
Tot Ion:152 Resp: 102262

Ion Ratio Lower Upper

152 100

150 135.4 144.7 217.1#

115 58.5 64.0 96.0#



#5

2-Fluorophenol

Concen: 130.92 ng

RT: 5.71 min Scan# 489

Delta R.T. -0.00 min

Lab File: BG022525.D

Acq: 24 Jun 2016 4:54

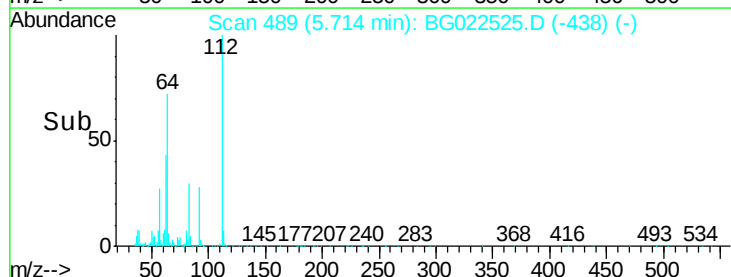
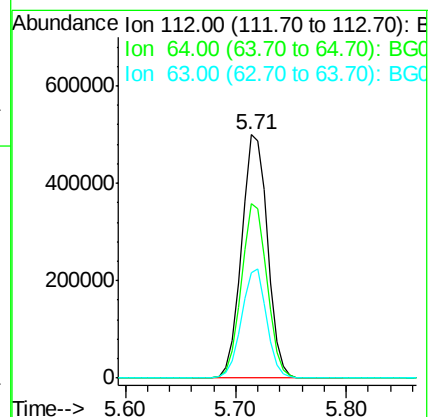
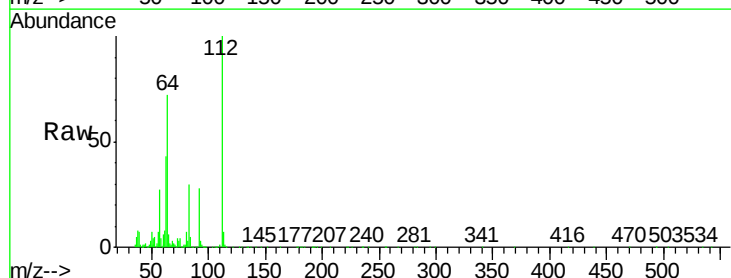
Tgt Ion:112 Resp: 826822

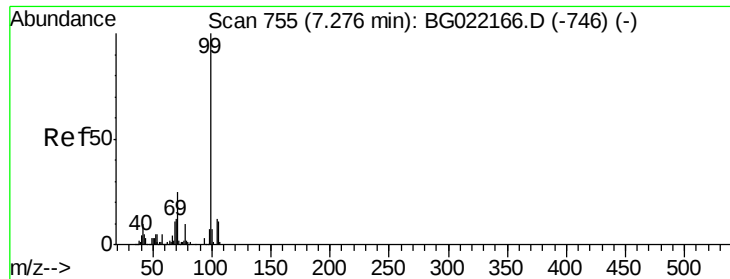
Ion Ratio Lower Upper

112 100

64 71.7 59.0 88.4

63 43.1 37.8 56.8





#7

Phenol-d6

Concen: 131.59 ng

RT: 7.32 min Scan# 762

Delta R.T. 0.00 min

Lab File: BG022525.D

Acq: 24 Jun 2016 4:54

Instrument :

BNA\_G

ClientSampleId :

PB91536TB

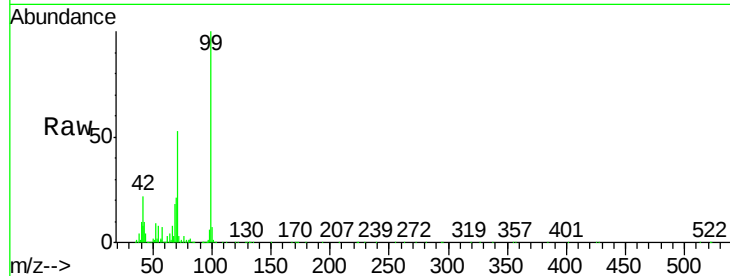
Tot Ion: 99 Resp: 1159731

Ion Ratio Lower Upper

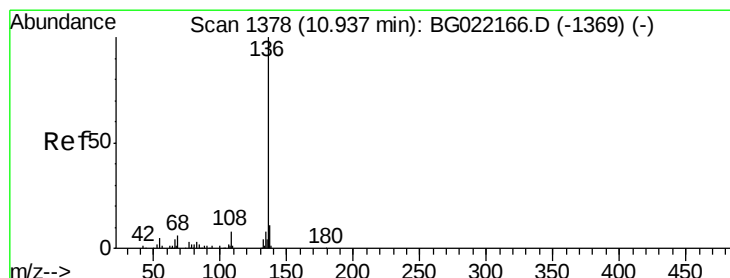
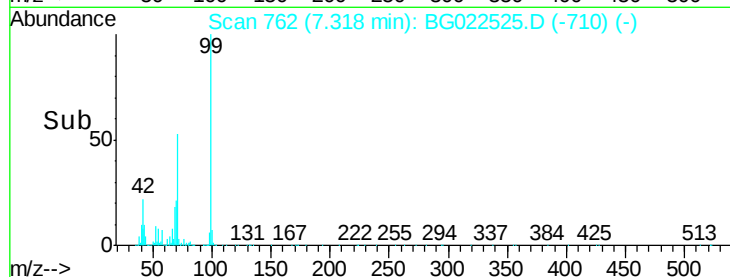
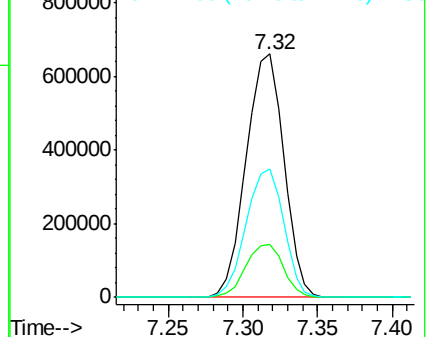
99 100

42 22.0 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: 11.00 min Scan# 1388

Delta R.T. -0.00 min

Lab File: BG022525.D

Acq: 24 Jun 2016 4:54

Tgt Ion: 136 Resp: 406250

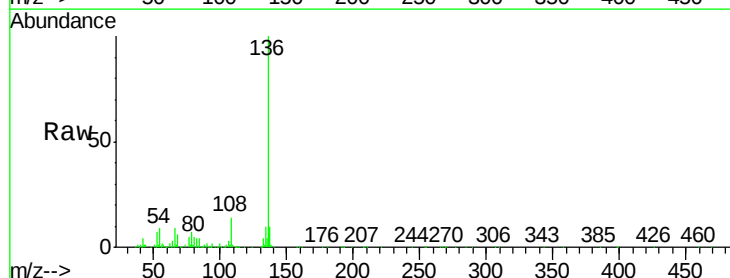
Ion Ratio Lower Upper

136 100

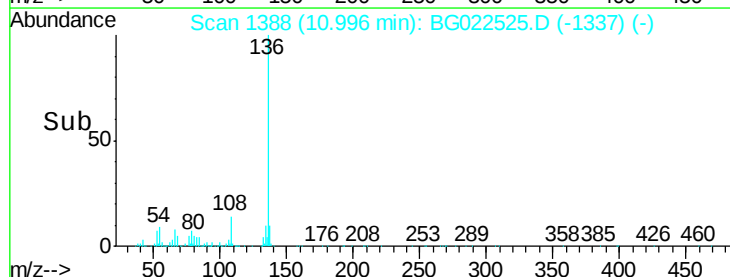
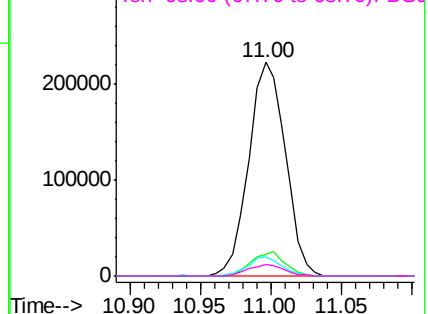
137 10.3 9.6 14.4

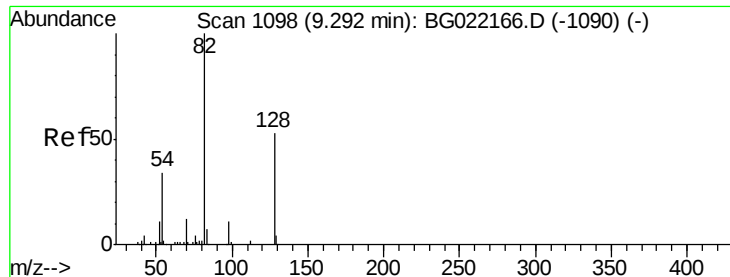
54 9.2 7.3 10.9

68 5.5 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

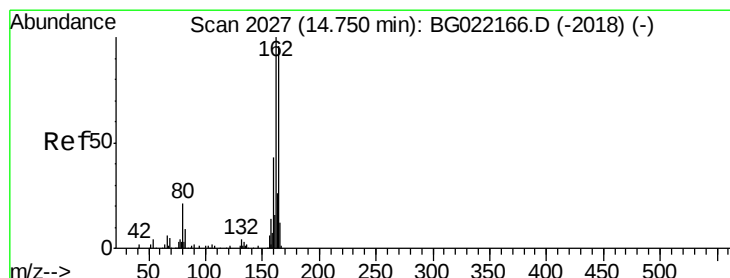
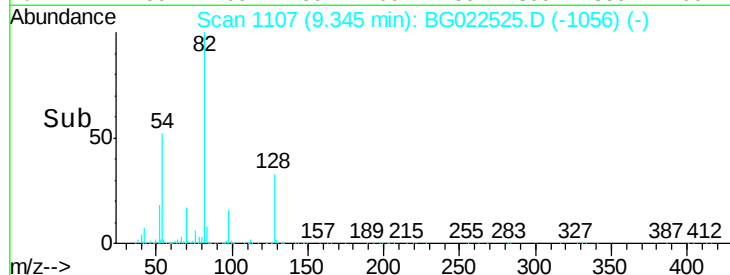
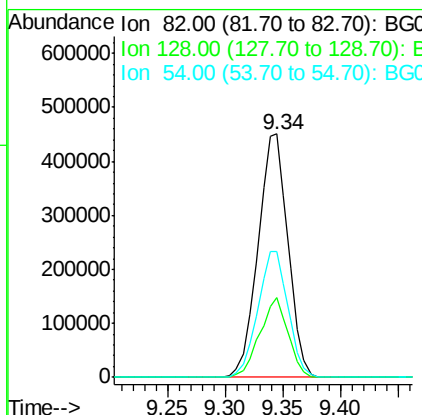
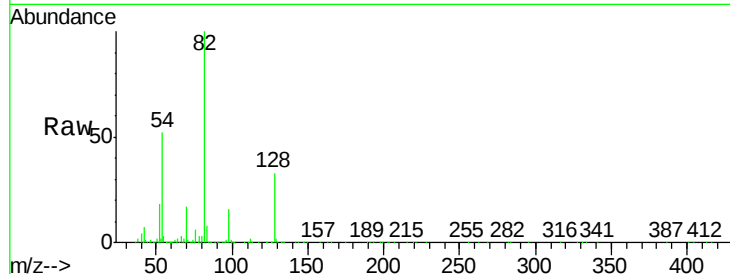




#23  
 Nitrobenzene-d5  
 Concen: 86.11 ng  
 RT: 9.34 min Scan# 1107  
 Delta R.T. -0.00 min  
 Lab File: BG022525.D  
 Acq: 24 Jun 2016 4:54

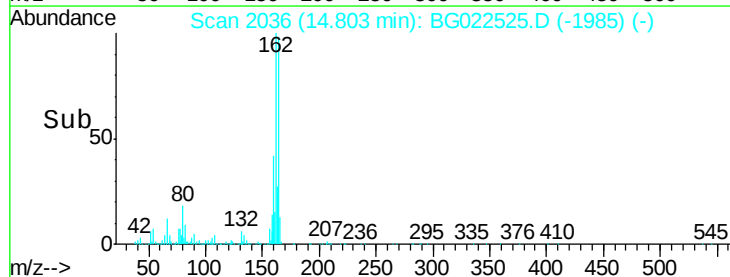
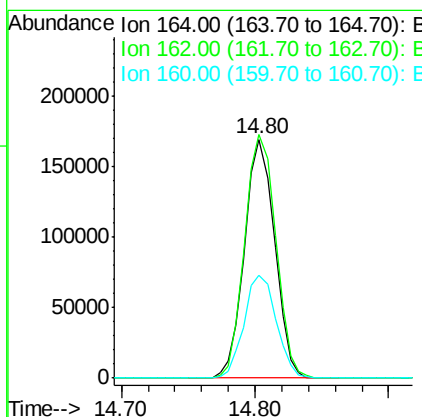
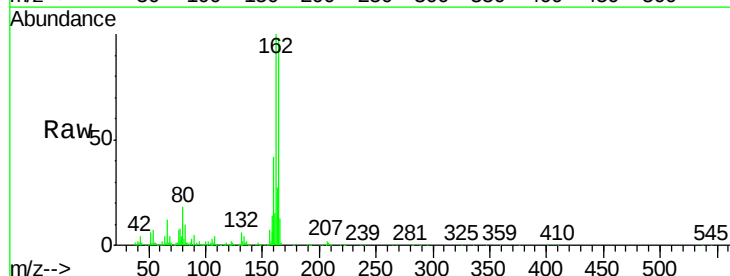
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB91536TB

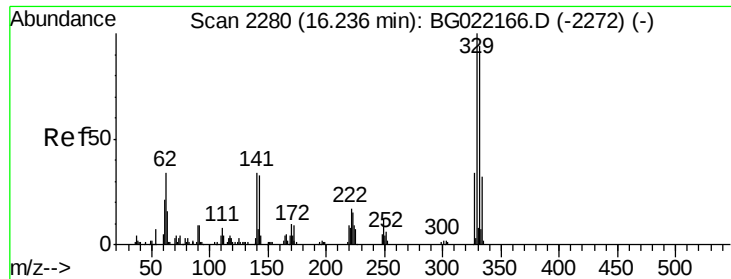
| Tot Ion   | 82    | Resp  | 815107 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 32.8  | 24.4  | 36.6   |
| 54        | 51.6  | 41.4  | 62.0   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.80 min Scan# 2036  
 Delta R.T. -0.00 min  
 Lab File: BG022525.D  
 Acq: 24 Jun 2016 4:54

| Tgt Ion   | 164   | Resp  | 263872 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 102.1 | 87.7  | 131.5  |
| 160       | 43.0  | 37.2  | 55.8   |

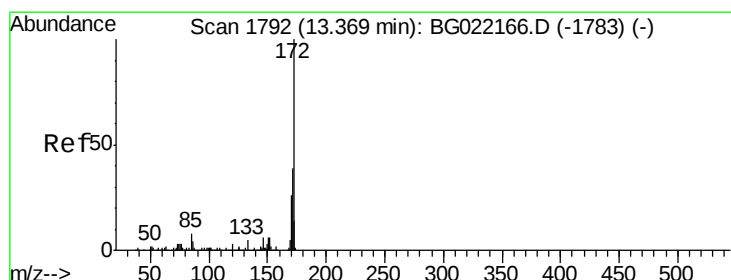
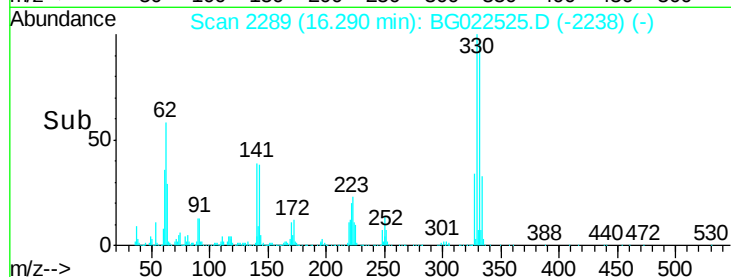
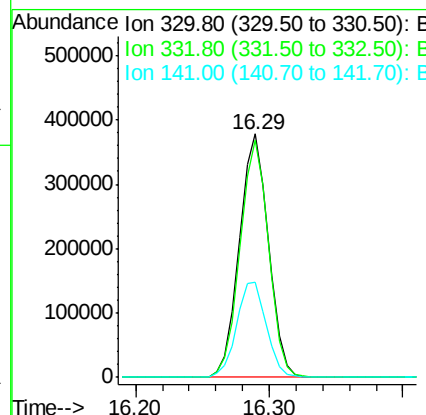
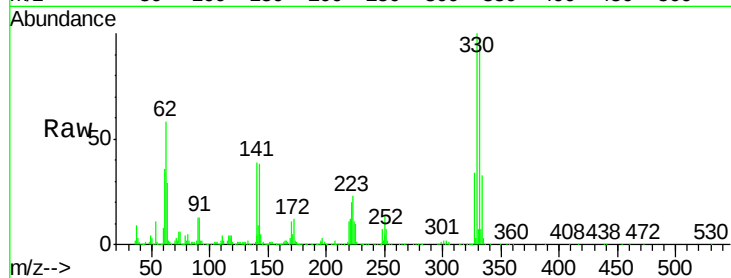




#41  
 2,4,6-Tribromophenol  
 Concen: 139.25 ng  
 RT: 16.29 min Scan# 2289  
 Delta R.T. -0.00 min  
 Lab File: BG022525.D  
 Acq: 24 Jun 2016 4:54

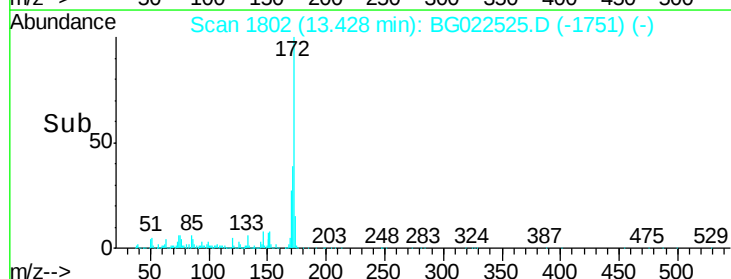
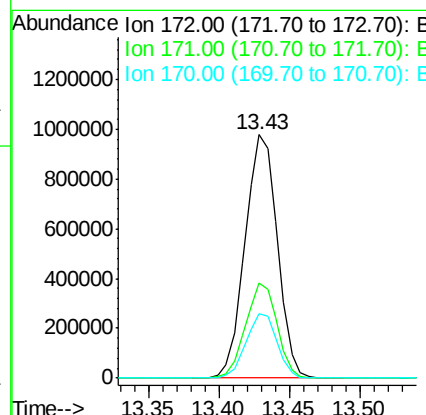
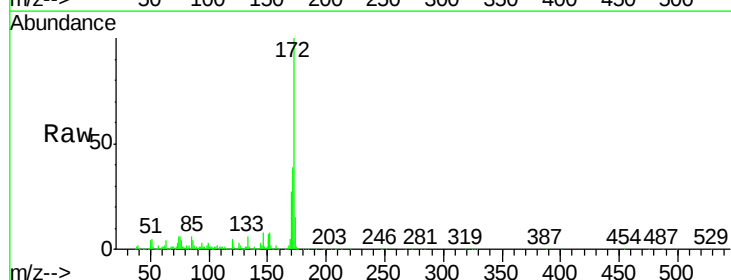
Instrument :  
 BNA\_G  
 ClientSampled :  
 PB91536TB

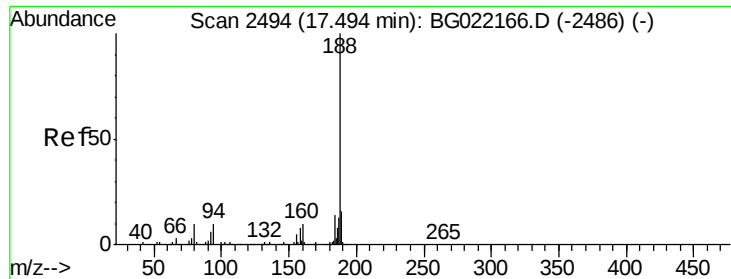
Tot Ion:330 Resp: 572349  
 Ion Ratio Lower Upper  
 330 100  
 332 95.5 77.4 116.2  
 141 40.1 31.7 47.5



#44  
 2-Fluorobiphenyl  
 Concen: 90.69 ng  
 RT: 13.43 min Scan# 1802  
 Delta R.T. -0.00 min  
 Lab File: BG022525.D  
 Acq: 24 Jun 2016 4:54

Tgt Ion:172 Resp: 1566276  
 Ion Ratio Lower Upper  
 172 100  
 171 39.1 31.6 47.4  
 170 26.5 21.3 31.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.55 min Scan# 2504

Delta R.T. -0.00 min

Lab File: BG022525.D

Acq: 24 Jun 2016 4:54

Instrument :

BNA\_G

ClientSampleId :

PB91536TB

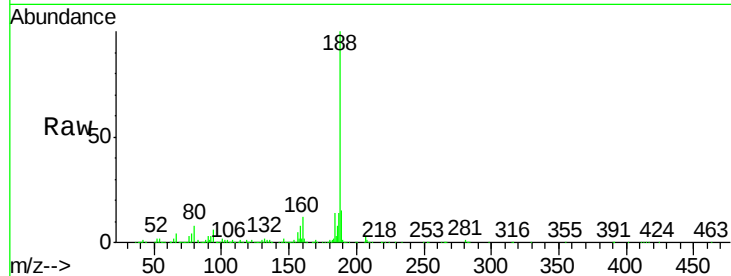
Tot Ion:188 Resp: 683228

Ion Ratio Lower Upper

188 100

94 6.4 5.2 7.8

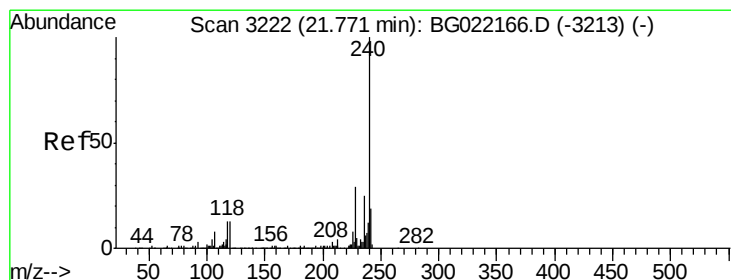
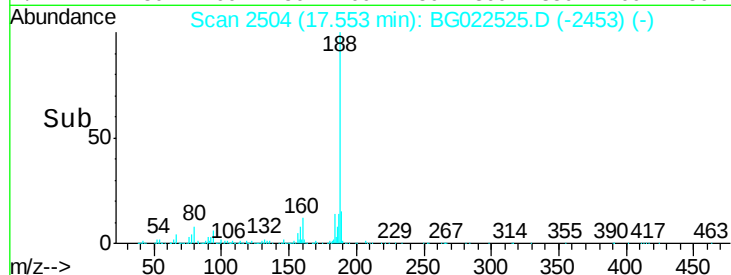
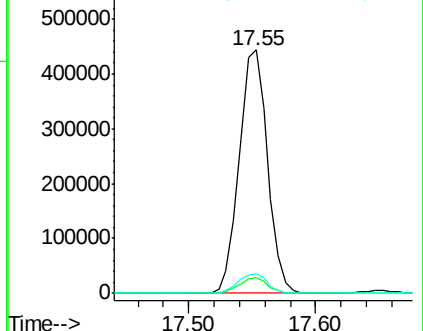
80 8.3 7.2 10.8



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: 21.85 min Scan# 3235

Delta R.T. -0.01 min

Lab File: BG022525.D

Acq: 24 Jun 2016 4:54

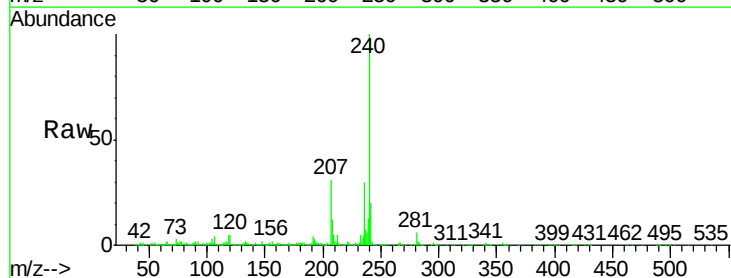
Tgt Ion:240 Resp: 789294

Ion Ratio Lower Upper

240 100

120 4.8 4.1 6.1

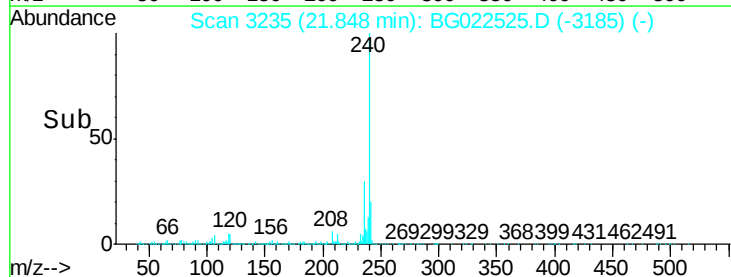
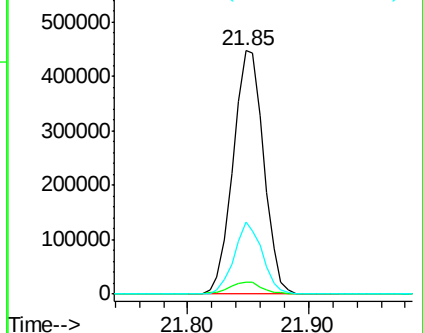
236 29.7 21.1 31.7

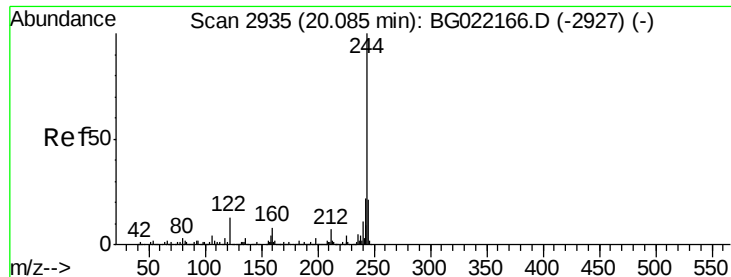


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 98.66 ng

RT: 20.16 min Scan# 2948

Delta R.T. 0.00 min

Lab File: BG022525.D

Acq: 24 Jun 2016 4:54

Instrument :

BNA\_G

ClientSampleId :

PB91536TB

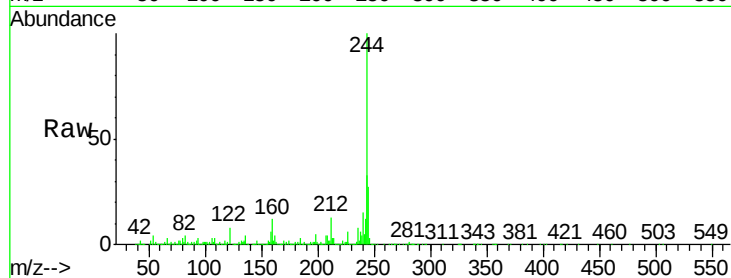
Tot Ion:244 Resp: 2516918

Ion Ratio Lower Upper

244 100

212 12.6 10.8 16.2

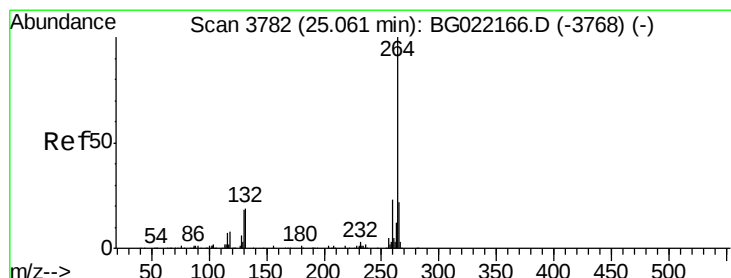
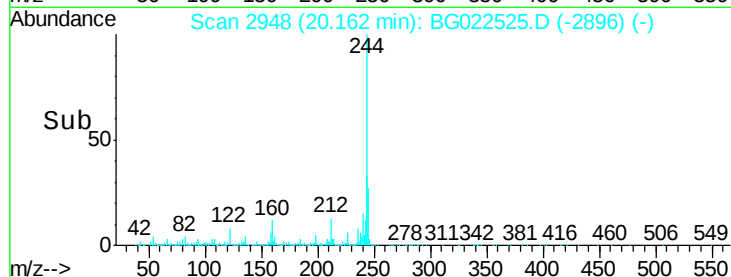
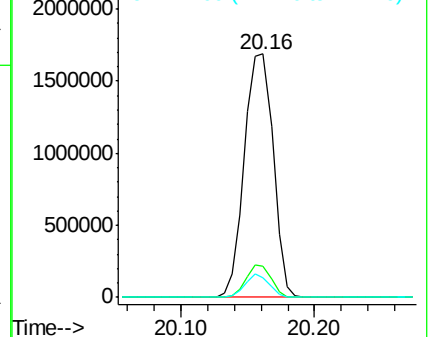
122 8.3 8.0 12.0



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: 25.22 min Scan# 3809

Delta R.T. -0.00 min

Lab File: BG022525.D

Acq: 24 Jun 2016 4:54

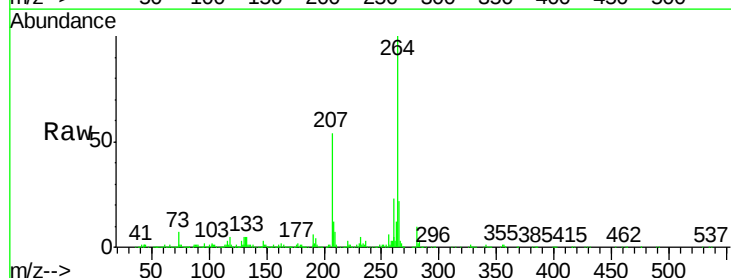
Tgt Ion:264 Resp: 768322

Ion Ratio Lower Upper

264 100

260 22.8 18.4 27.6

265 22.1 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

