

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG070916\  
 Data File : BG022961.D  
 Acq On : 9 Jul 2016 12:05  
 Operator : UM/SJ  
 Sample : PB91974BL  
 Misc :  
 ALS Vial : 56 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB91974BL

Quant Time: Jul 11 01:20:26 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG070816.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 07 16:51:07 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.15  | 152  | 82333    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.98 | 136  | 382769   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.80 | 164  | 305336   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.55 | 188  | 801356   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.85 | 240  | 876821   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.20 | 264  | 878372   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.70  | 112  | 469722   | 93.31  | ng    | 0.00     |
| 7) Phenol-d6                | 7.31  | 99   | 732776   | 92.94  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.32  | 82   | 749823   | 83.88  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.29 | 330  | 427143   | 77.84  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.42 | 172  | 1654983  | 85.38  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.16 | 244  | 2668804  | 106.14 | ng    | 0.00     |

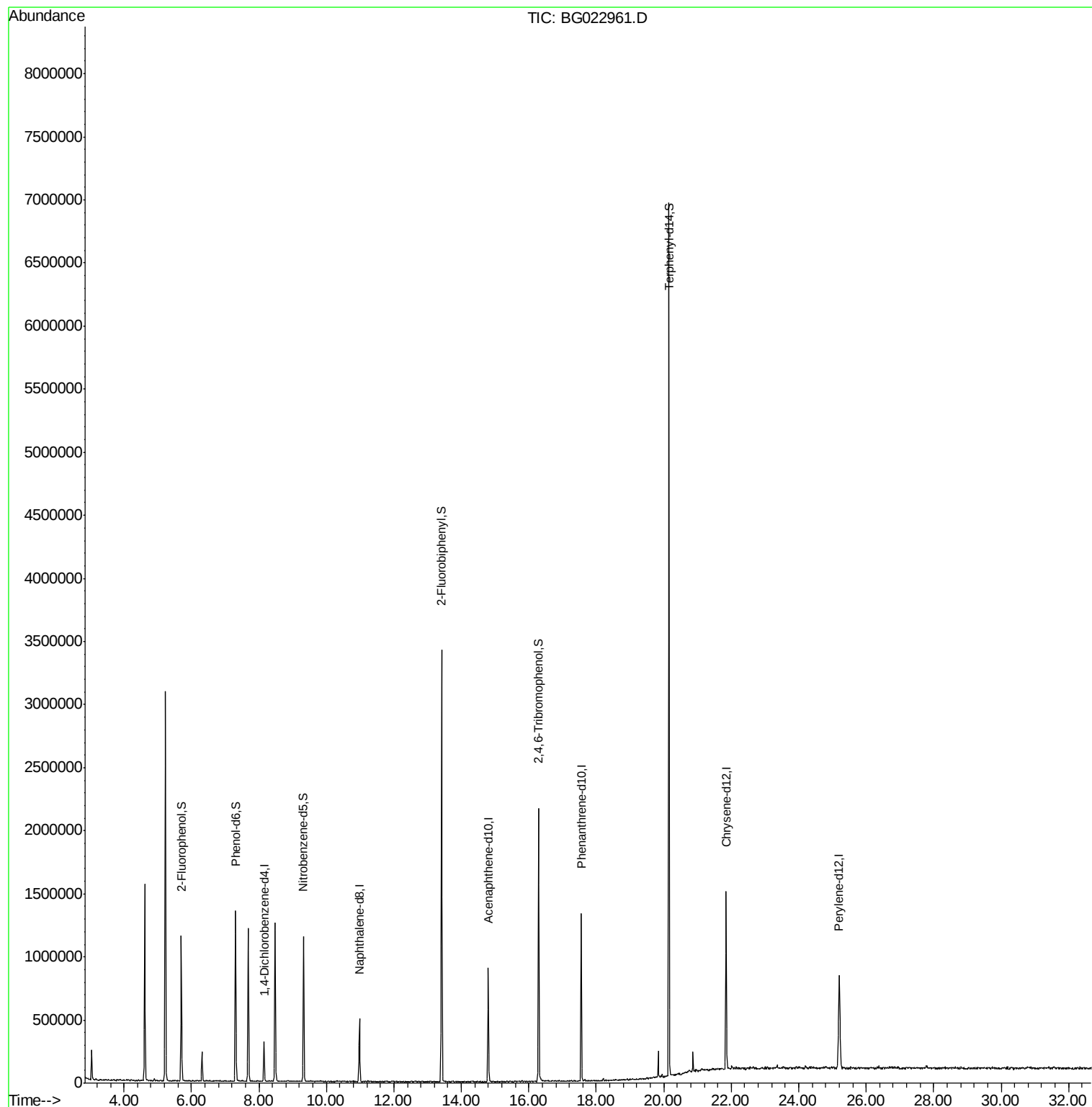
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

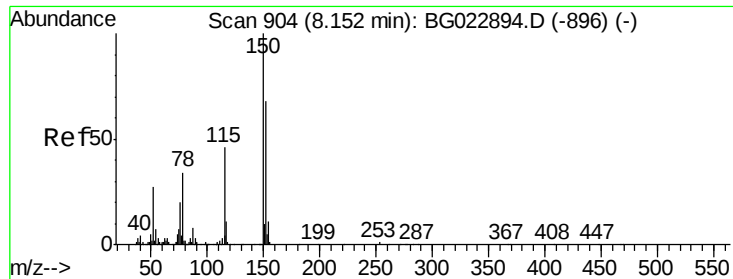
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 07 16:51:07 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.15 min Scan# 904

Delta R.T. -0.00 min

Lab File: BG022961.D

Acq: 9 Jul 2016 12:05

Instrument :

BNA\_G

ClientSampleId :

PB91974BL

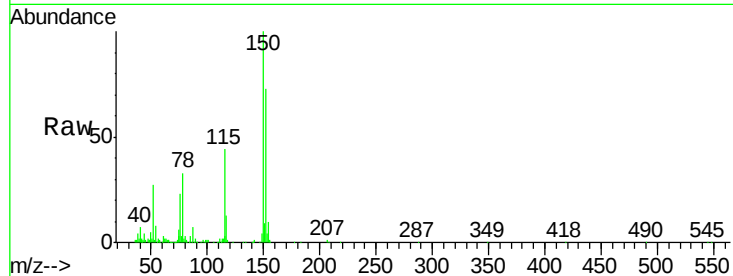
Tgt Ion:152 Resp: 82333

Ion Ratio Lower Upper

152 100

150 137.5 144.7 217.1#

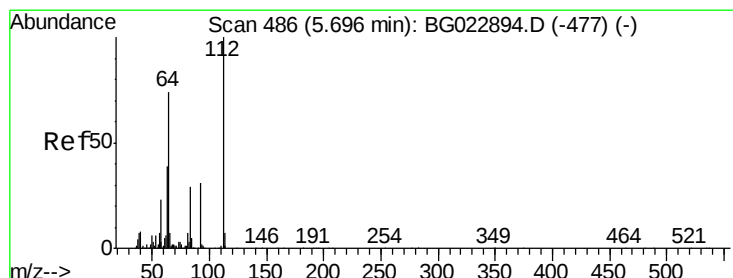
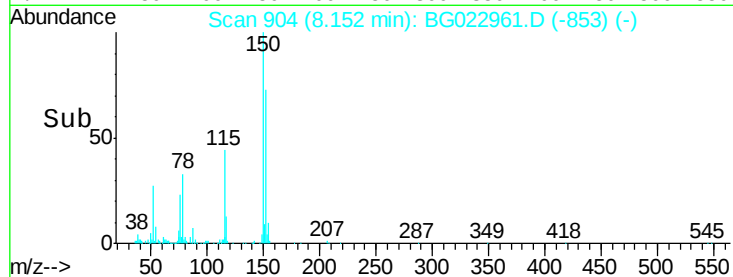
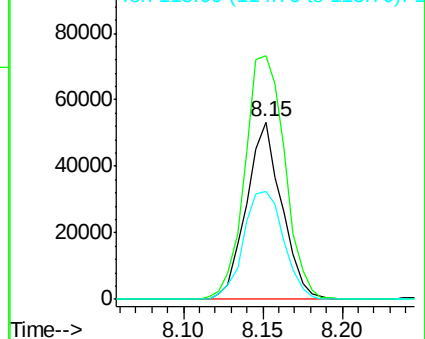
115 61.1 64.0 96.0#



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: 93.31 ng

RT: 5.70 min Scan# 486

Delta R.T. 0.00 min

Lab File: BG022961.D

Acq: 9 Jul 2016 12:05

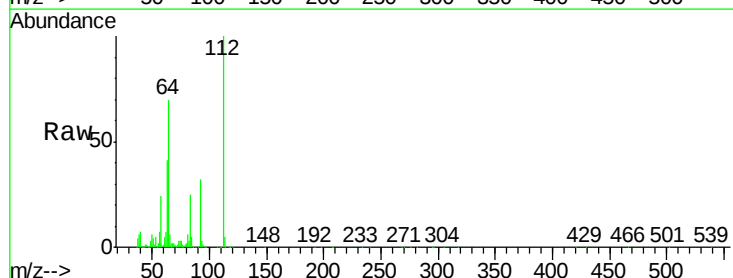
Tgt Ion:112 Resp: 469722

Ion Ratio Lower Upper

112 100

64 70.3 59.0 88.4

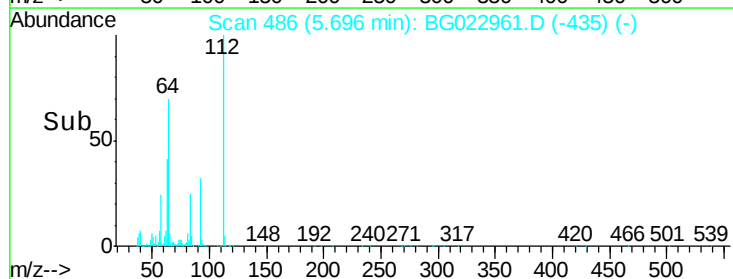
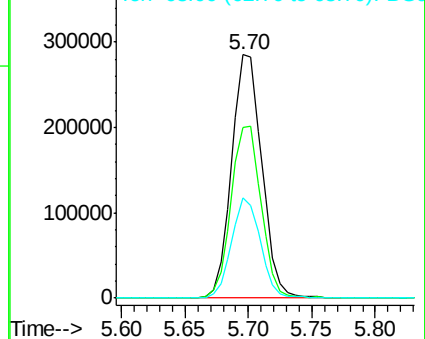
63 41.3 37.8 56.8

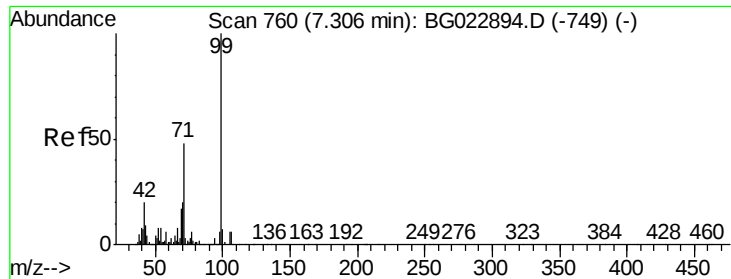


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 92.94 ng

RT: 7.31 min Scan# 760

Delta R.T. -0.00 min

Lab File: BG022961.D

Acq: 9 Jul 2016 12:05

Instrument :

BNA\_G

ClientSampleId :

PB91974BL

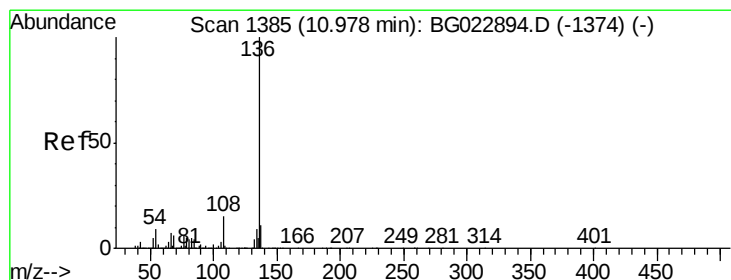
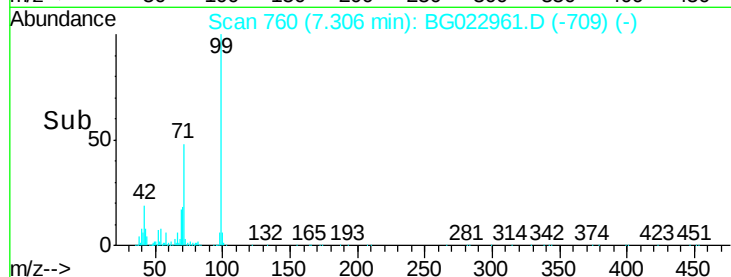
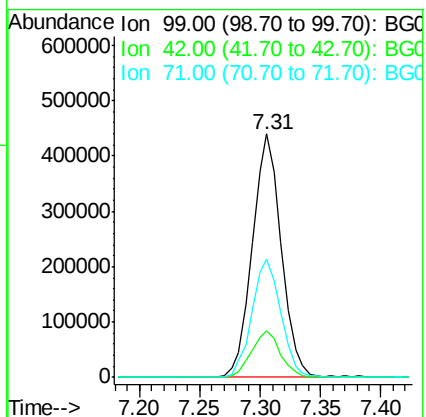
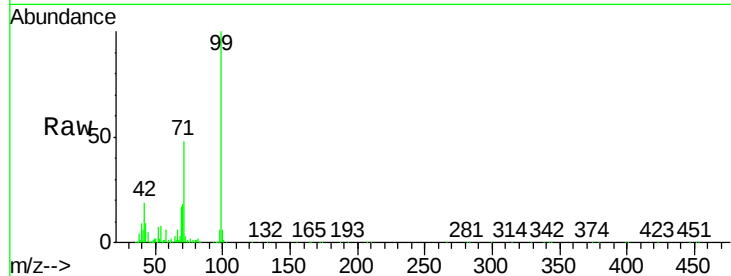
Tgt Ion: 99 Resp: 732776

Ion Ratio Lower Upper

99 100

42 19.3 17.8 26.6

71 48.3 41.5 62.3



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.98 min Scan# 1385

Delta R.T. -0.00 min

Lab File: BG022961.D

Acq: 9 Jul 2016 12:05

Tgt Ion: 136 Resp: 382769

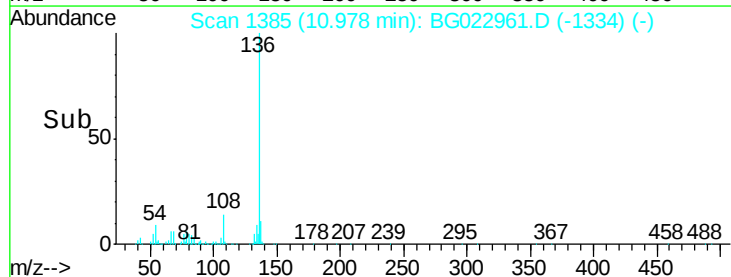
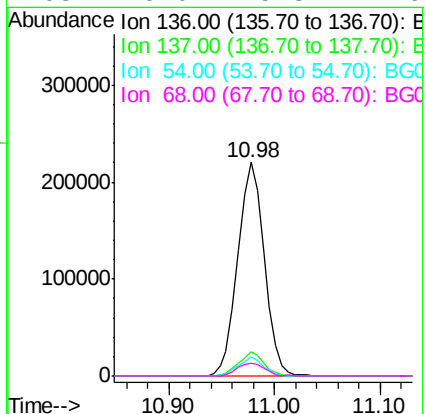
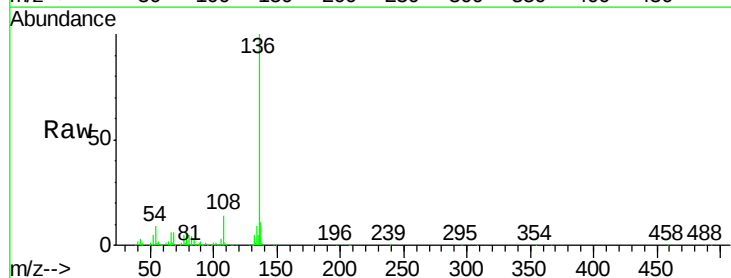
Ion Ratio Lower Upper

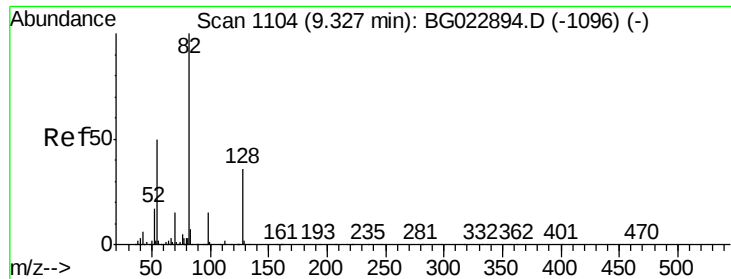
136 100

137 11.4 9.6 14.4

54 9.1 7.3 10.9

68 6.0 5.3 7.9

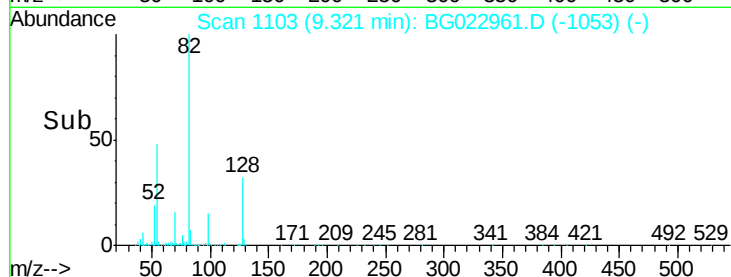
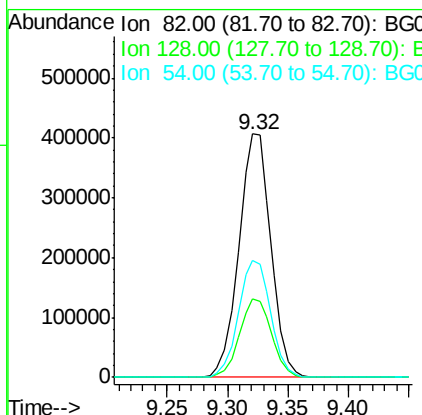
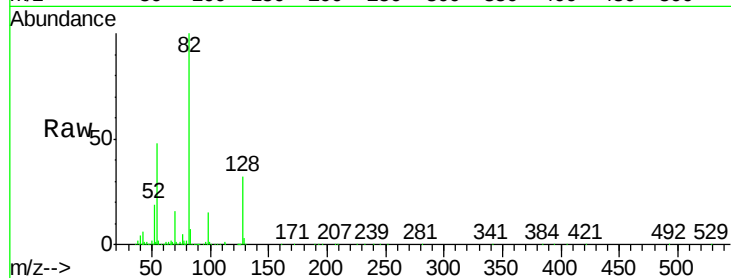




#23  
 Nitrobenzene-d5  
 Concen: 83.88 ng  
 RT: 9.32 min Scan# 1103  
 Delta R.T. -0.01 min  
 Lab File: BG022961.D  
 Acq: 9 Jul 2016 12:05

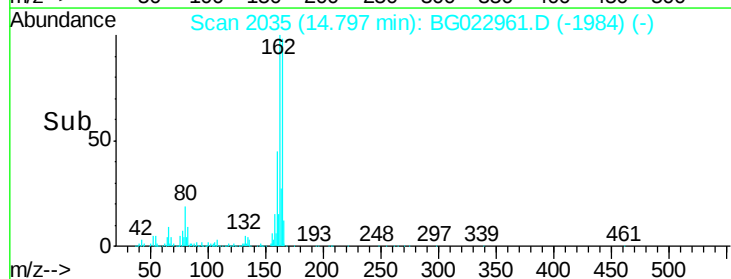
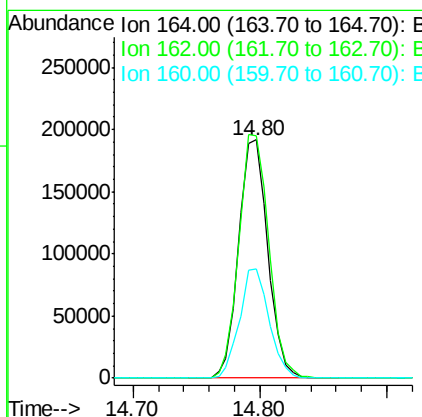
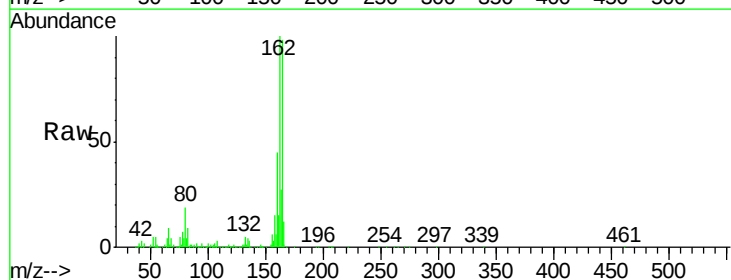
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB91974BL

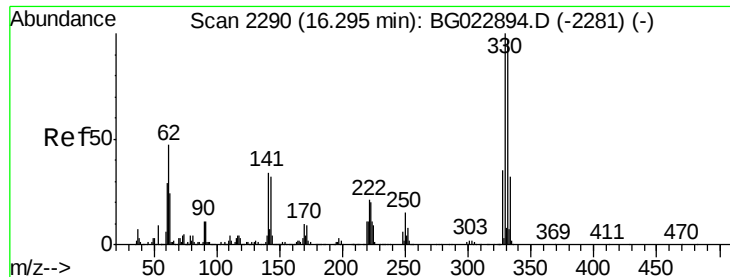
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 32.2  | 24.4  | 36.6  |
| 54      | 48.2  | 41.4  | 62.0  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.80 min Scan# 2035  
 Delta R.T. -0.00 min  
 Lab File: BG022961.D  
 Acq: 9 Jul 2016 12:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.6 | 87.7  | 131.5 |
| 160     | 45.6  | 37.2  | 55.8  |





#41

2,4,6-Tribromophenol

Concen: 77.84 ng

RT: 16.29 min Scan# 2289

Delta R.T. -0.01 min

Lab File: BG022961.D

Acq: 9 Jul 2016 12:05

Instrument :

BNA\_G

ClientSampleId :

PB91974BL

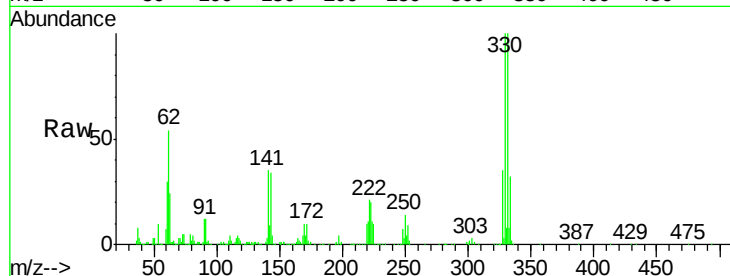
Tgt Ion:330 Resp: 427143

Ion Ratio Lower Upper

330 100

332 97.7 77.4 116.2

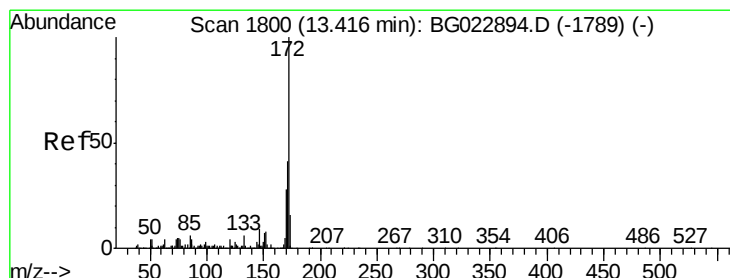
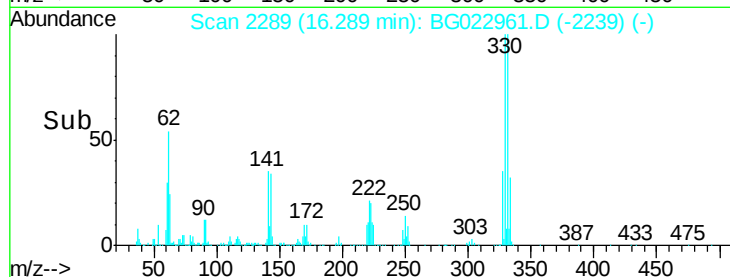
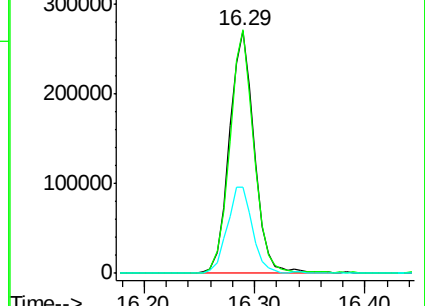
141 36.1 31.7 47.5



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: 85.38 ng

RT: 13.42 min Scan# 1800

Delta R.T. -0.00 min

Lab File: BG022961.D

Acq: 9 Jul 2016 12:05

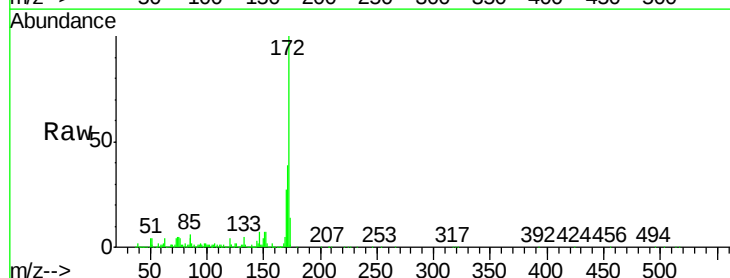
Tgt Ion:172 Resp: 1654983

Ion Ratio Lower Upper

172 100

171 39.2 31.6 47.4

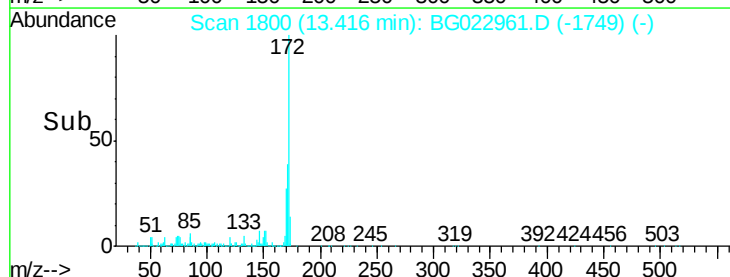
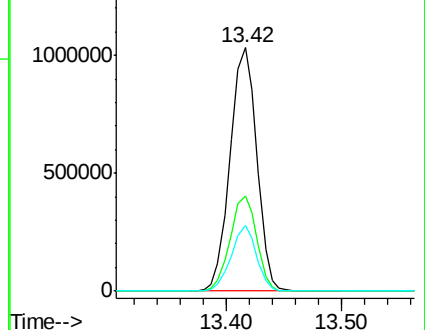
170 27.1 21.3 31.9

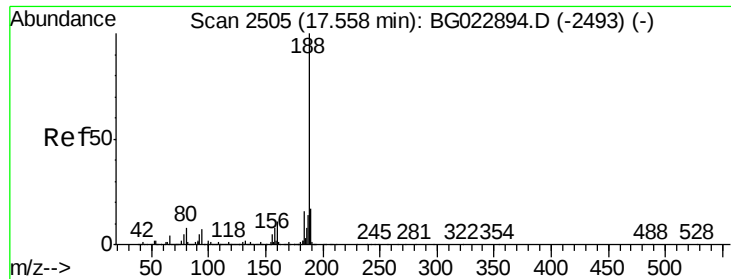


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

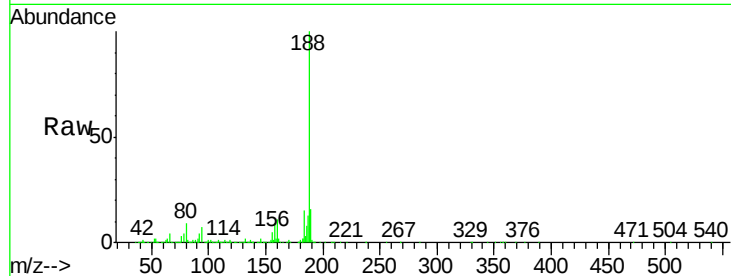




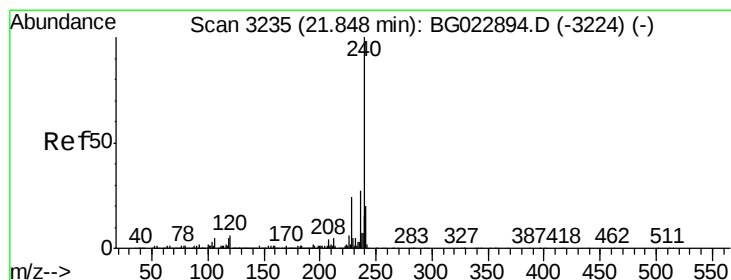
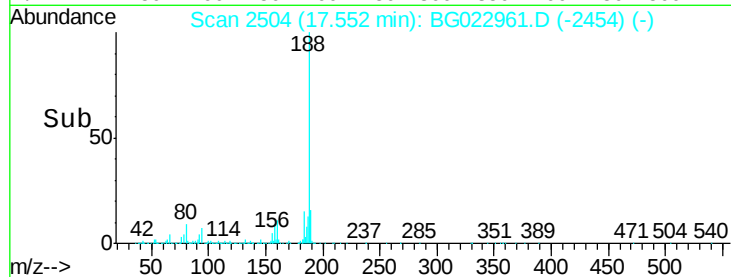
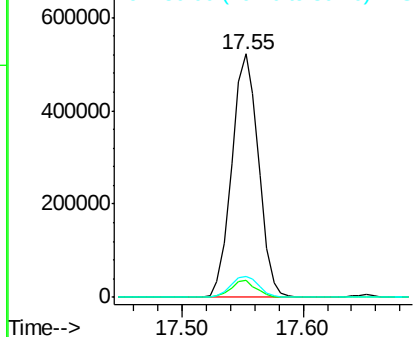
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.55 min Scan# 2504  
Delta R.T. -0.01 min  
Lab File: BG022961.D  
Acq: 9 Jul 2016 12:05

Instrument :  
BNA\_G  
ClientSampleId :  
PB91974BL

Tgt Ion:188 Resp: 801356  
Ion Ratio Lower Upper  
188 100  
94 7.0 5.2 7.8  
80 8.8 7.2 10.8

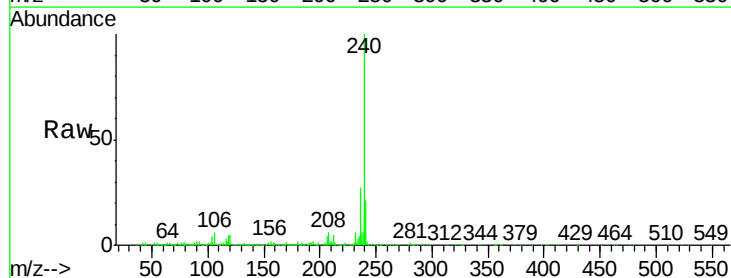


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

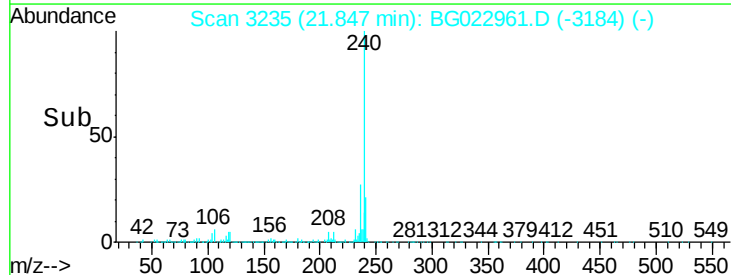
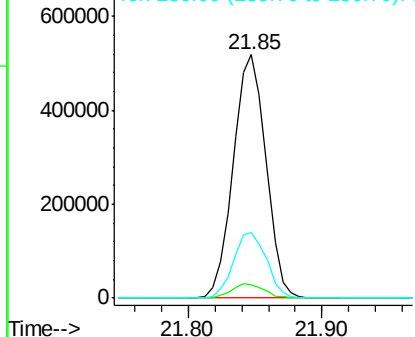


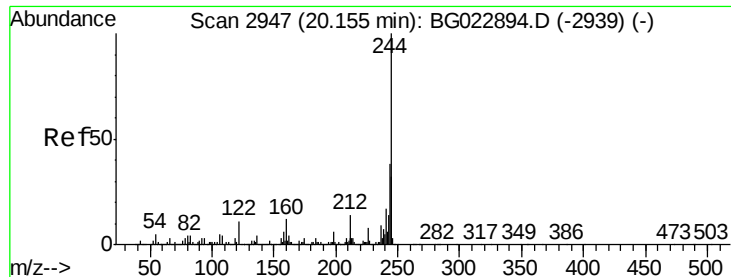
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.85 min Scan# 3235  
Delta R.T. -0.00 min  
Lab File: BG022961.D  
Acq: 9 Jul 2016 12:05

Tgt Ion:240 Resp: 876821  
Ion Ratio Lower Upper  
240 100  
120 5.2 4.1 6.1  
236 27.1 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: 106.14 ng

RT: 20.16 min Scan# 2947

Delta R.T. 0.00 min

Lab File: BG022961.D

Acq: 9 Jul 2016 12:05

Instrument :

BNA\_G

ClientSampleId :

PB91974BL

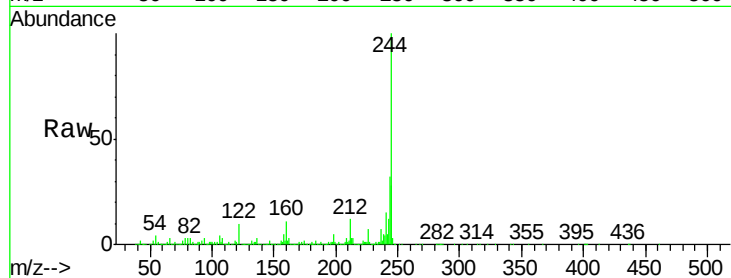
Tgt Ion:244 Resp: 2668804

Ion Ratio Lower Upper

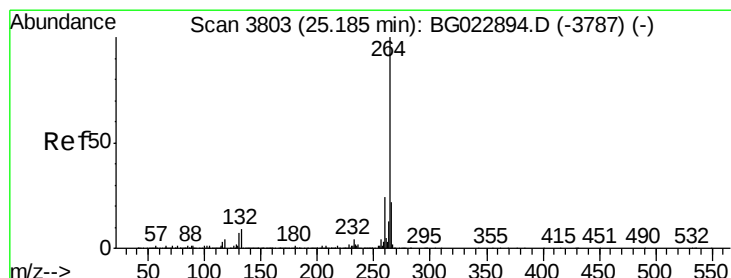
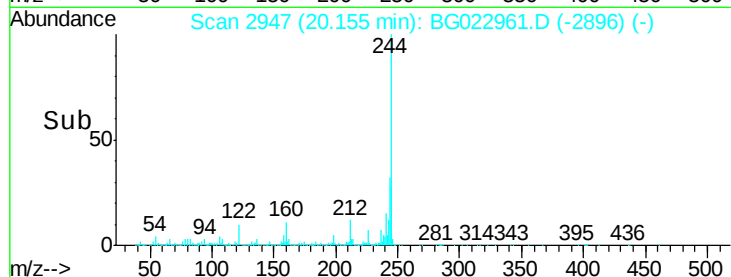
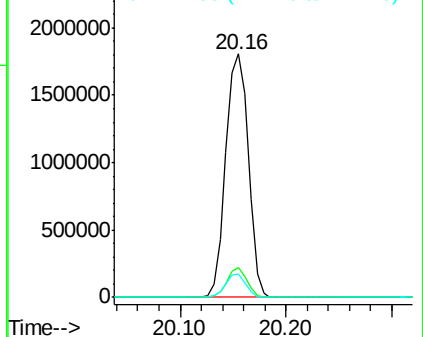
244 100

212 12.1 10.8 16.2

122 9.6 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: 25.20 min Scan# 3805

Delta R.T. 0.01 min

Lab File: BG022961.D

Acq: 9 Jul 2016 12:05

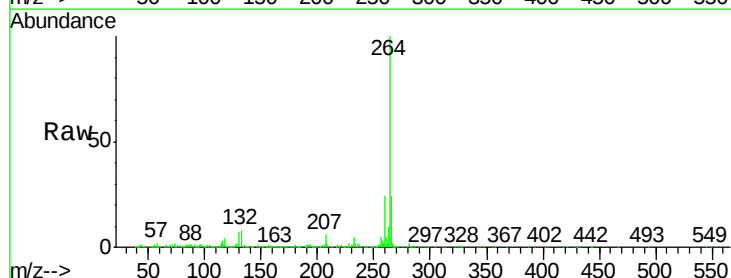
Tgt Ion:264 Resp: 878372

Ion Ratio Lower Upper

264 100

260 24.1 18.4 27.6

265 24.0 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

