

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042117\  
 Data File : BG026697.D  
 Acq On : 21 Apr 2017 22:10  
 Operator : SJ/MA  
 Sample : I2782-08  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HW-23-42017

Quant Time: Apr 22 04:35:54 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 18 18:04:39 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.03  | 152  | 191165   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.83 | 136  | 828517   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.64 | 164  | 503162   | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.37 | 188  | 1237082  | 20.00 | ng    | -0.02    |
| 75) Chrysene-d12            | 21.61 | 240  | 1327785  | 20.00 | ng    | -0.02    |
| 86) Perylene-d12            | 24.79 | 264  | 1304953  | 20.00 | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.62  | 112  | 165827   | 15.77 | ng    | 0.00     |
| 7) Phenol-d6                | 7.22  | 99   | 144967   | 10.52 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 9.19  | 82   | 288507   | 24.30 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.12 | 330  | 261115   | 37.24 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.27 | 172  | 902116   | 26.70 | ng    | -0.02    |
| 78) Terphenyl-d14           | 19.97 | 244  | 1247943  | 27.75 | ng    | -0.02    |

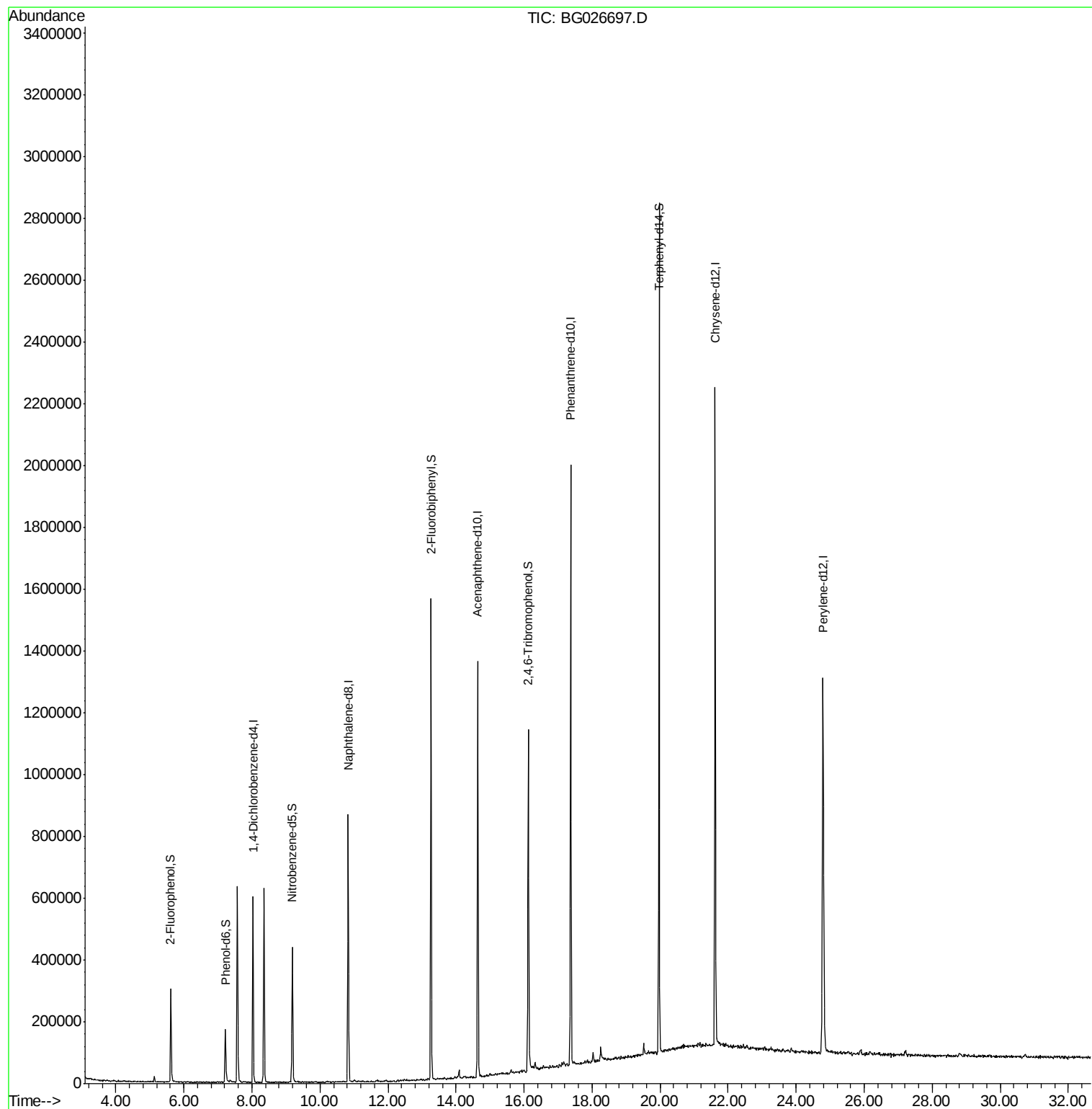
Target Compounds Qvalue

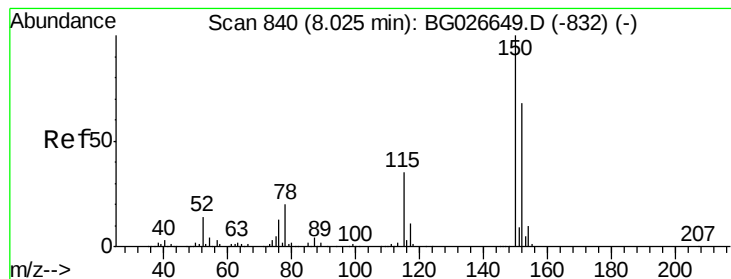
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041817.M  
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QLast Update : Tue Apr 18 18:04:39 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.03 min Scan# 841

Delta R.T. -0.02 min

Lab File: BG026697.D

Acq: 21 Apr 2017 22:10

Instrument :

BNA\_G

ClientSampleId :

HW-23-42017

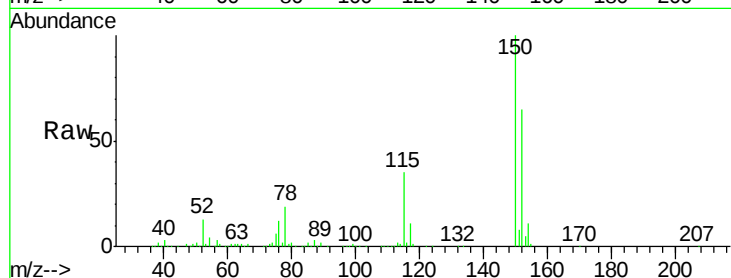
Tot Ion:152 Resp: 191165

Ion Ratio Lower Upper

152 100

150 154.5 114.0 171.0

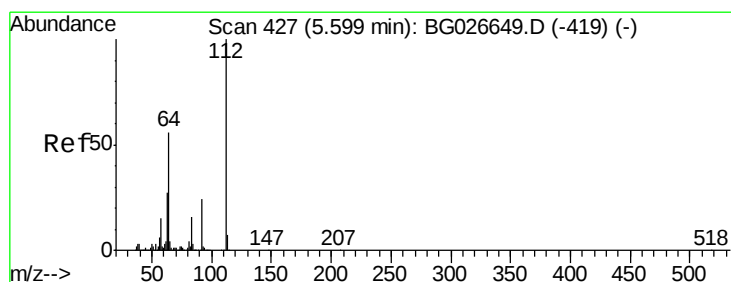
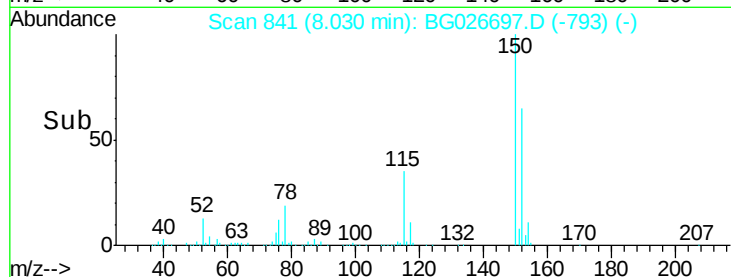
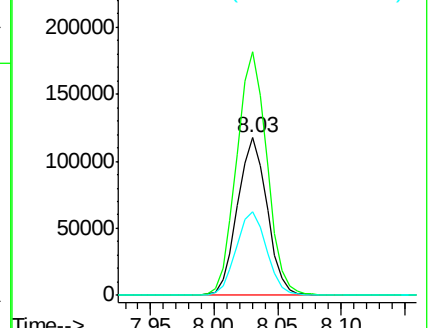
115 53.4 48.1 72.1



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: 15.77 ng

RT: 5.62 min Scan# 430

Delta R.T. 0.00 min

Lab File: BG026697.D

Acq: 21 Apr 2017 22:10

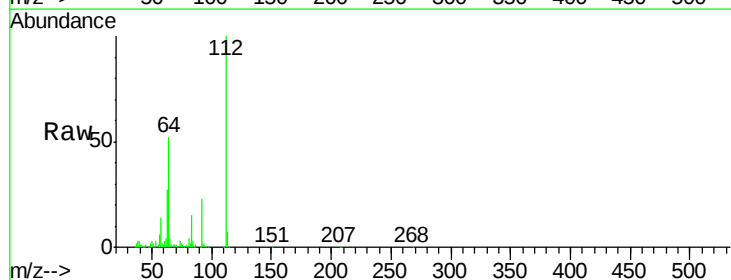
Tgt Ion:112 Resp: 165827

Ion Ratio Lower Upper

112 100

64 51.8 61.8 92.6#

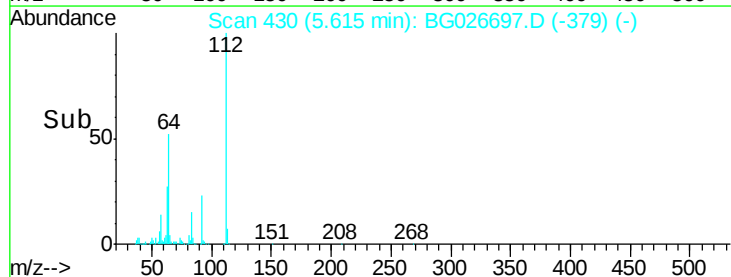
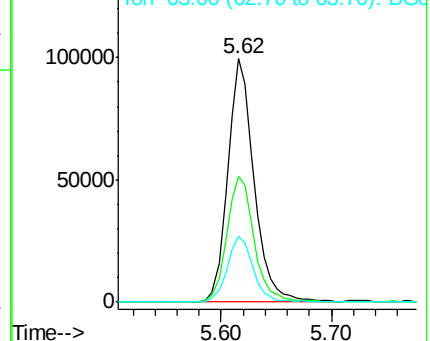
63 27.1 37.2 55.8#

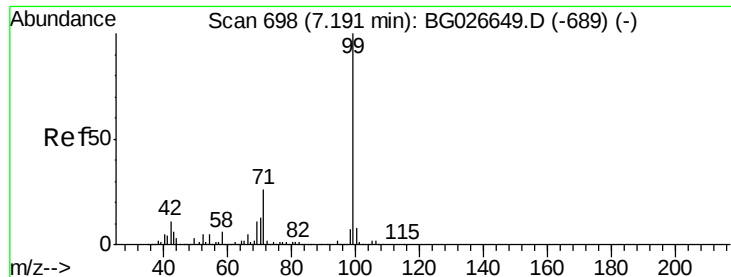


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 10.52 ng

RT: 7.22 min Scan# 703

Delta R.T. 0.01 min

Lab File: BG026697.D

Acq: 21 Apr 2017 22:10

Instrument :

BNA\_G

ClientSampleId :

HW-23-42017

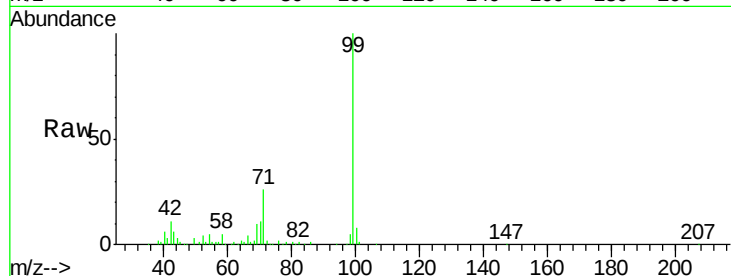
Tot Ion: 99 Resp: 144967

Ion Ratio Lower Upper

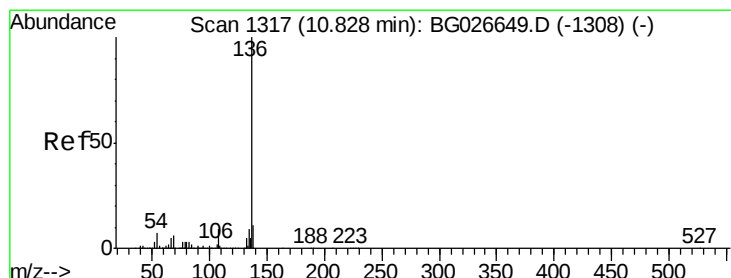
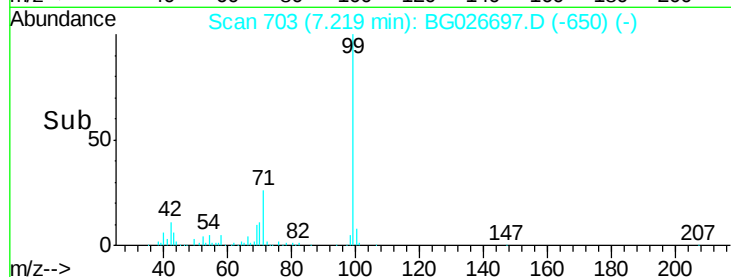
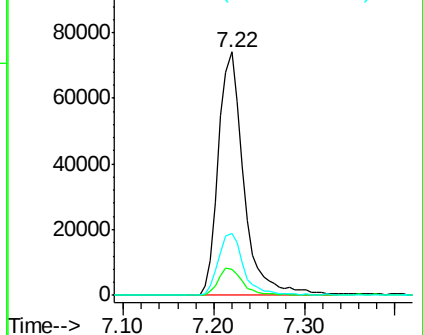
99 100

42 10.6 20.5 30.7#

71 25.6 37.6 56.4#



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: 10.83 min Scan# 1317

Delta R.T. -0.02 min

Lab File: BG026697.D

Acq: 21 Apr 2017 22:10

Tgt Ion: 136 Resp: 828517

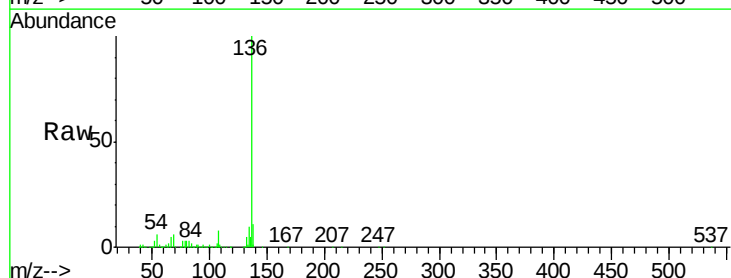
Ion Ratio Lower Upper

136 100

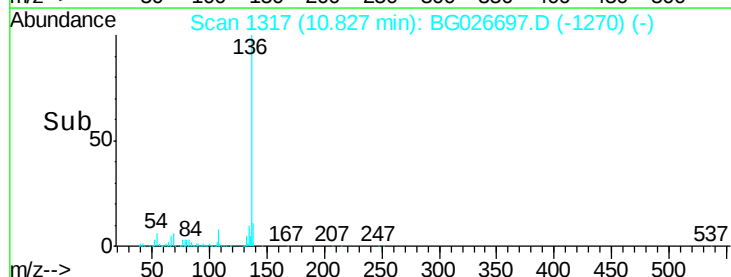
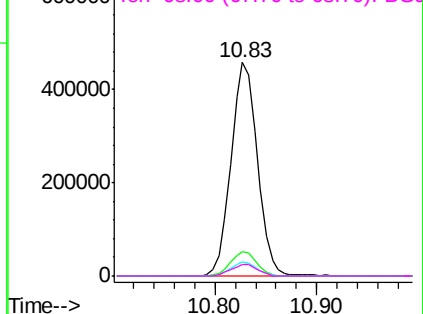
137 11.2 8.9 13.3

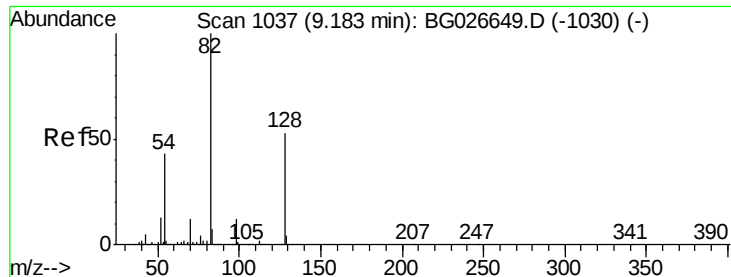
54 6.4 9.3 13.9#

68 5.7 5.1 7.7



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

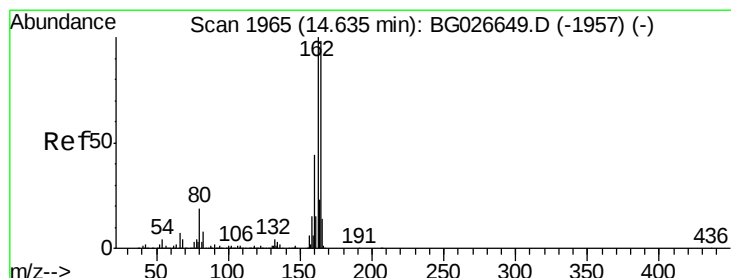
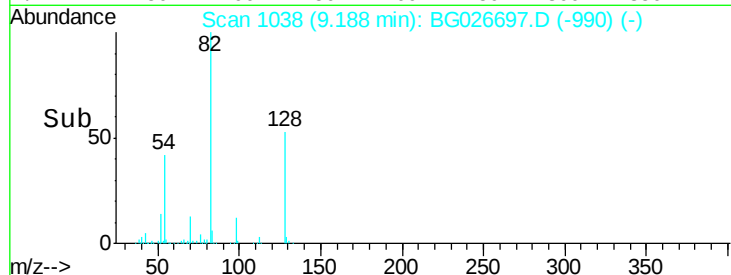
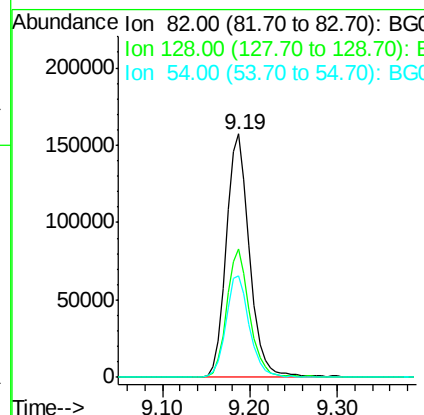
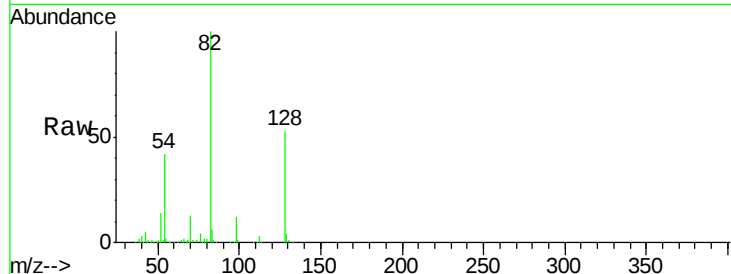




#23  
 Nitrobenzene-d5  
 Concen: 24.30 ng  
 RT: 9.19 min Scan# 1038  
 Delta R.T. -0.02 min  
 Lab File: BG026697.D  
 Acq: 21 Apr 2017 22:10

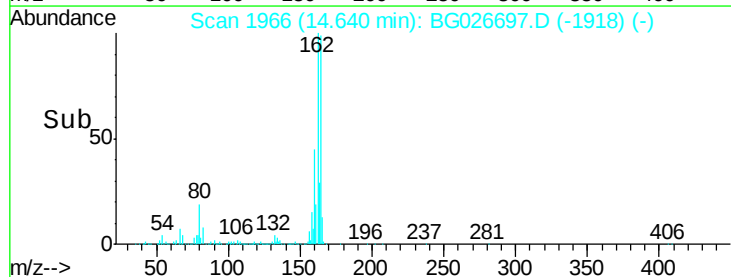
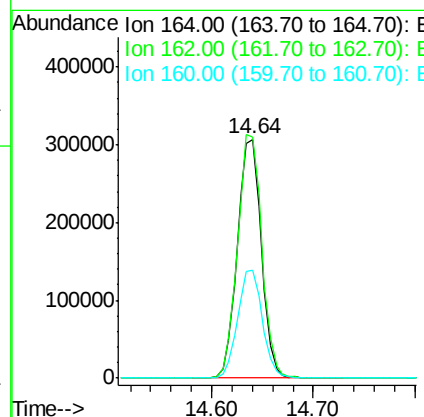
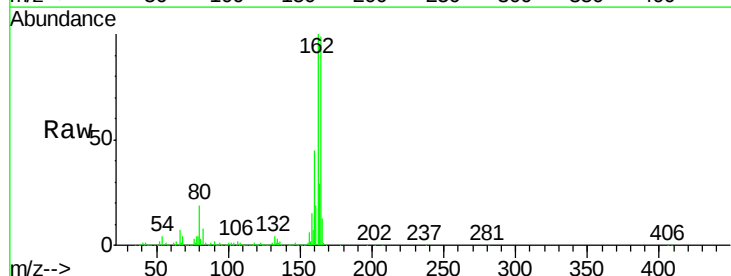
Instrument :  
 BNA\_G  
 ClientSampleId :  
 HW-23-42017

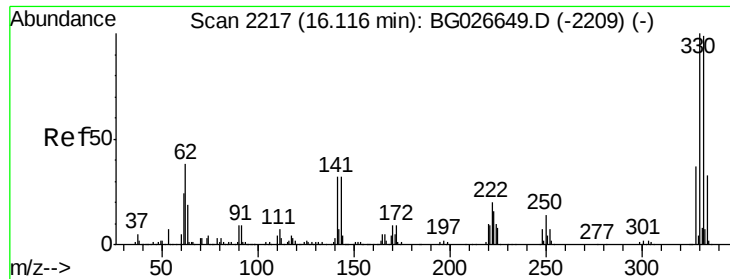
| Tot Ion   | 82    | Resp  | 288507 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 52.8  | 26.4  | 39.6#  |
| 54        | 41.6  | 49.4  | 74.2#  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.64 min Scan# 1966  
 Delta R.T. -0.02 min  
 Lab File: BG026697.D  
 Acq: 21 Apr 2017 22:10

| Tgt Ion   | 164   | Resp  | 503162 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 101.0 | 85.1  | 127.7  |
| 160       | 45.1  | 34.7  | 52.1   |

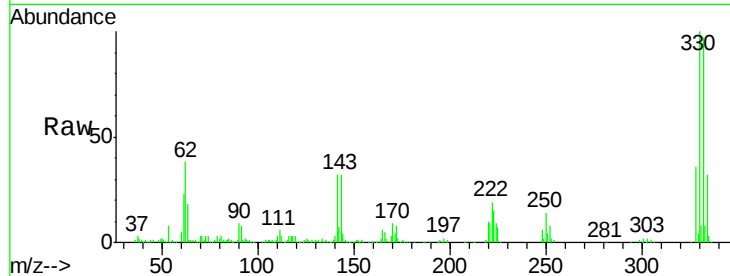




#41  
 2,4,6-Tribromophenol  
 Concen: 37.24 ng  
 RT: 16.12 min Scan# 2218  
 Delta R.T. -0.02 min  
 Lab File: BG026697.D  
 Acq: 21 Apr 2017 22:10

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HW-23-42017

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.8  | 77.3  | 115.9 |
| 141     | 31.2  | 32.1  | 48.1# |

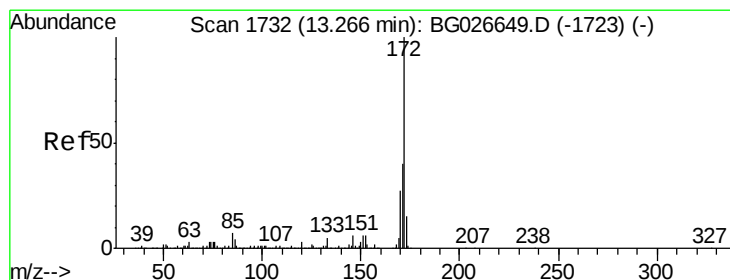
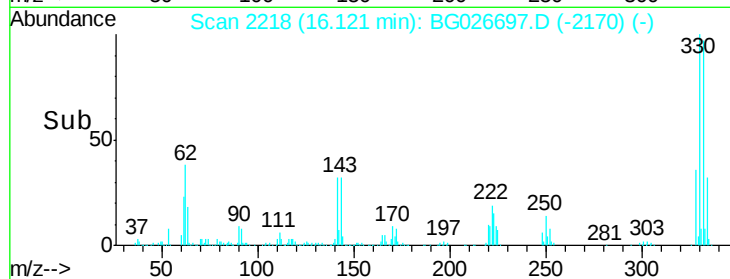
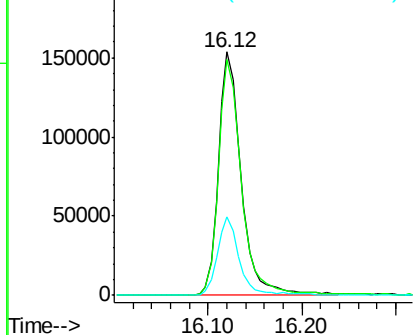


Abundance

Ion 329.80 (329.50 to 330.50): E

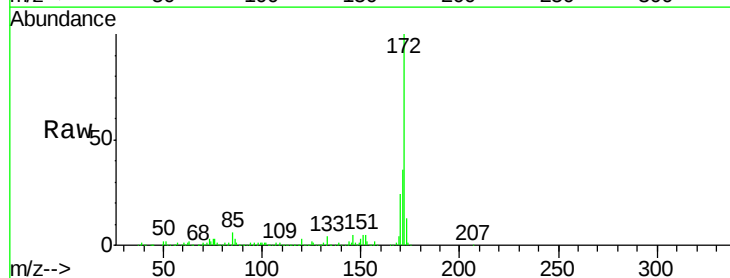
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 26.70 ng  
 RT: 13.27 min Scan# 1732  
 Delta R.T. -0.02 min  
 Lab File: BG026697.D  
 Acq: 21 Apr 2017 22:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 32.2  | 48.2  |
| 170     | 24.4  | 21.8  | 32.6  |

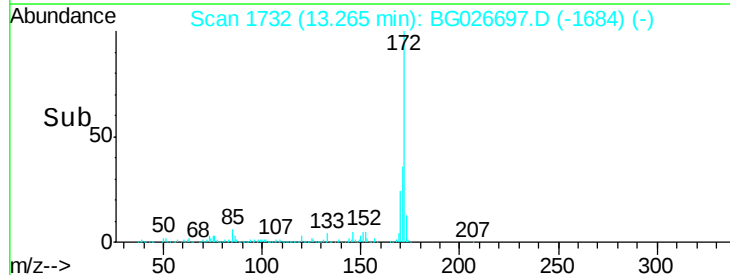
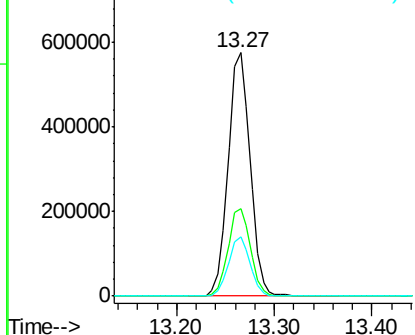


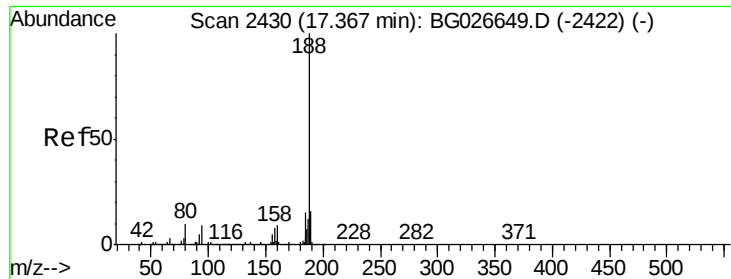
Abundance

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: 17.37 min Scan# 2431

Delta R.T. -0.02 min

Lab File: BG026697.D

Acq: 21 Apr 2017 22:10

Instrument :

BNA\_G

ClientSampleId :

HW-23-42017

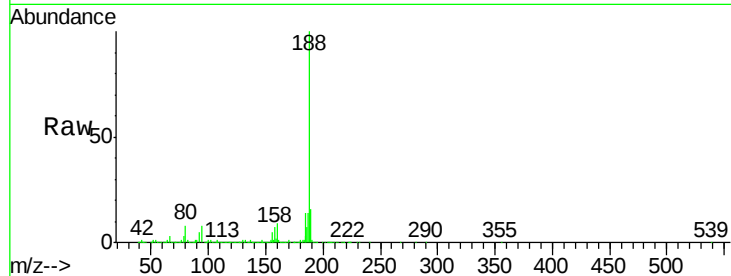
Tot Ion:188 Resp: 1237082

Ion Ratio Lower Upper

188 100

94 8.5 5.8 8.8

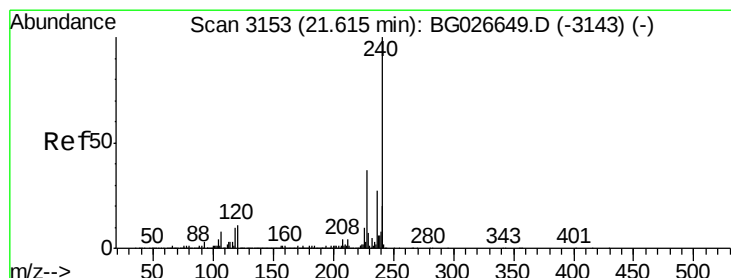
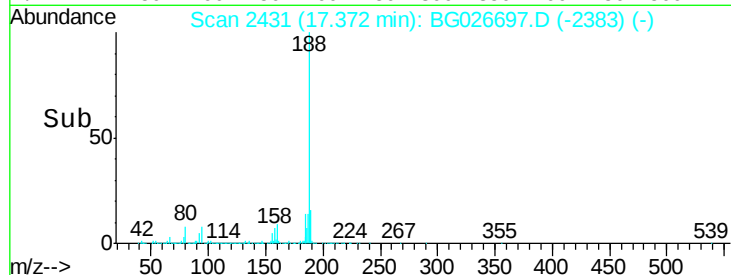
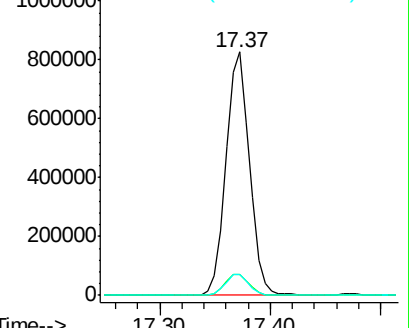
80 8.4 7.5 11.3



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: 21.61 min Scan# 3153

Delta R.T. -0.02 min

Lab File: BG026697.D

Acq: 21 Apr 2017 22:10

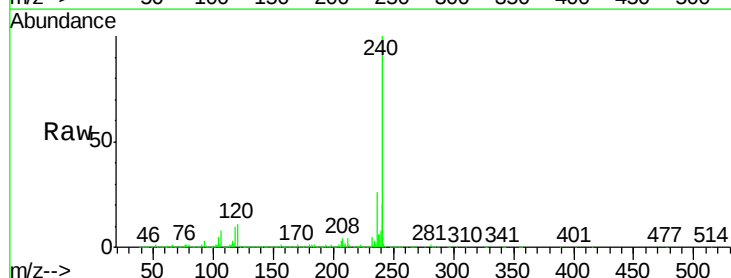
Tgt Ion:240 Resp: 1327785

Ion Ratio Lower Upper

240 100

120 11.5 5.7 8.5#

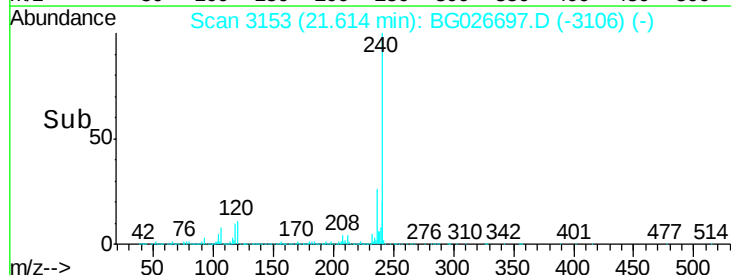
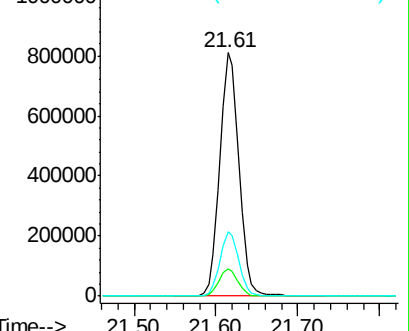
236 26.5 22.2 33.4

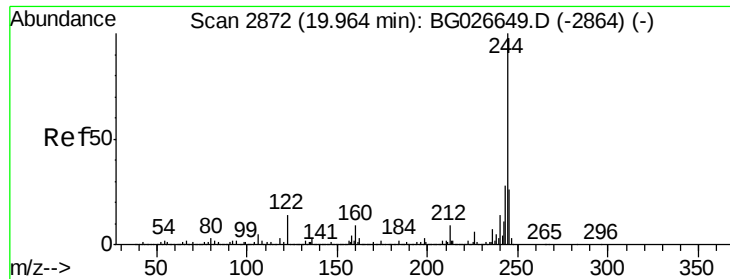


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 27.75 ng

RT: 19.97 min Scan# 2873

Delta R.T. -0.02 min

Lab File: BG026697.D

Acq: 21 Apr 2017 22:10

Instrument :

BNA\_G

ClientSampleId :

HW-23-42017

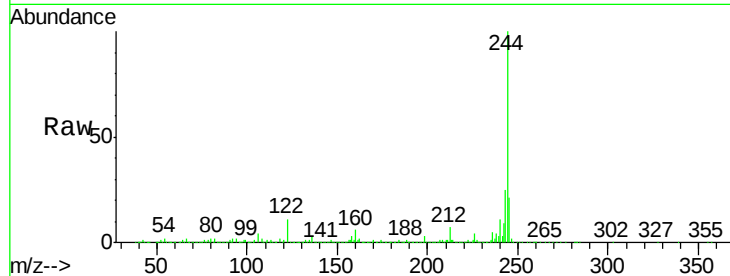
Tot Ion:244 Resp: 1247943

Ion Ratio Lower Upper

244 100

212 7.4 10.0 15.0#

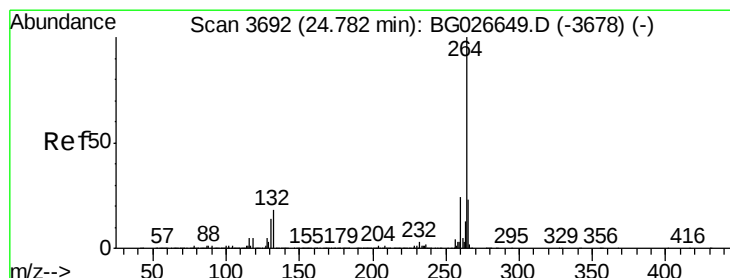
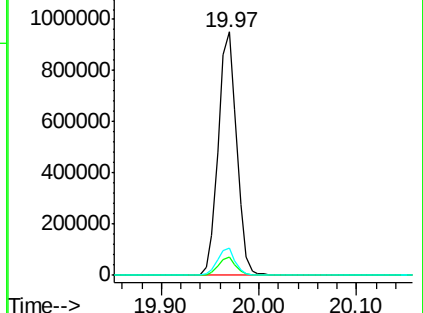
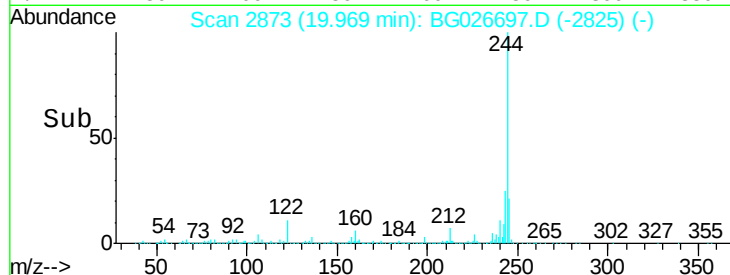
122 11.0 8.6 12.8



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: 24.79 min Scan# 3693

Delta R.T. -0.03 min

Lab File: BG026697.D

Acq: 21 Apr 2017 22:10

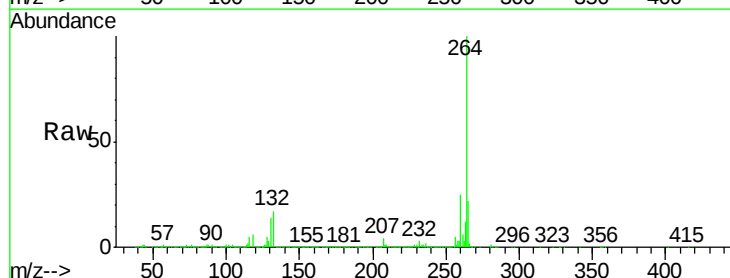
Tgt Ion:264 Resp: 1304953

Ion Ratio Lower Upper

264 100

260 24.9 21.8 32.8

265 22.1 18.2 27.4



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

