

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_G\DATA\BG011518\  
 Data File : BG032037.D  
 Acq On : 15 Jan 2018 18:14  
 Operator : SJ/JU  
 Sample : PB105614BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB105614BL

Quant Time: Jan 16 02:31:28 2018  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG011218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 15 10:05:15 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.77  | 152  | 45070    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.65 | 136  | 176897   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.40 | 164  | 121154   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 18.13 | 188  | 349756   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.47 | 240  | 453210   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 26.19 | 264  | 462687   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.19  | 112  | 300269   | 121.85 | ng    | 0.00     |
| 7) Phenol-d6                | 7.87  | 99   | 365546   | 117.78 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.96  | 82   | 212622   | 81.32  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.87 | 330  | 262624   | 131.00 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 14.02 | 172  | 745164   | 76.26  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.66 | 244  | 1662418  | 80.99  | ng    | 0.00     |

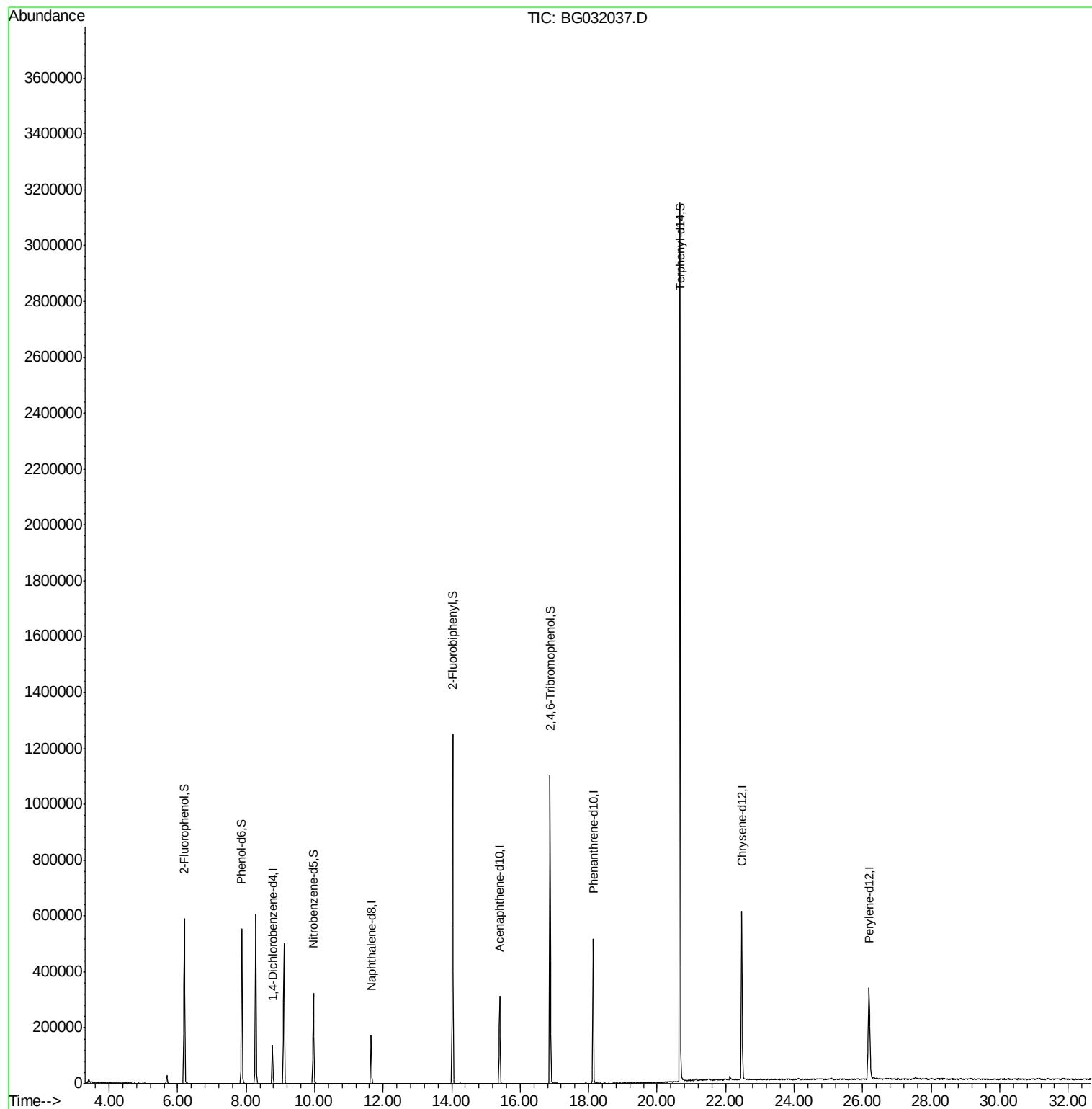
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

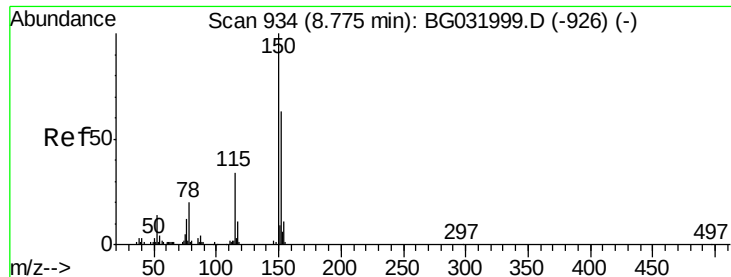
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_G\DATA\BG011518\  
Data File : BG032037.D  
Acq On : 15 Jan 2018 18:14  
Operator : SJ/JU  
Sample : PB105614BL  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PB105614BL

Quant Time: Jan 16 02:31:28 2018  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG011218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jan 15 10:05:15 2018  
Response via : Initial Calibration



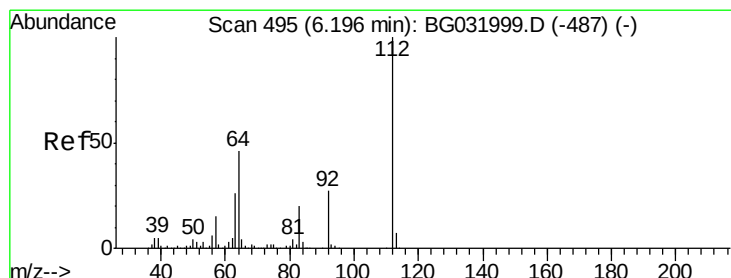
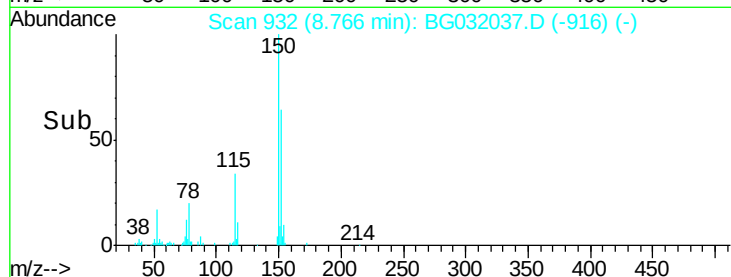
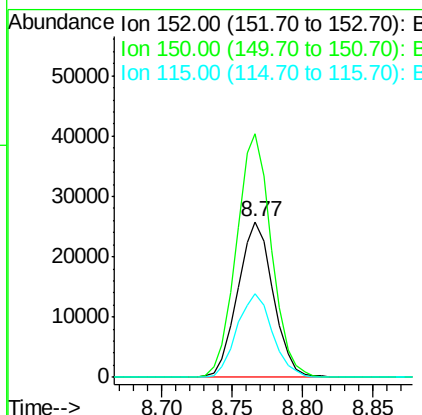
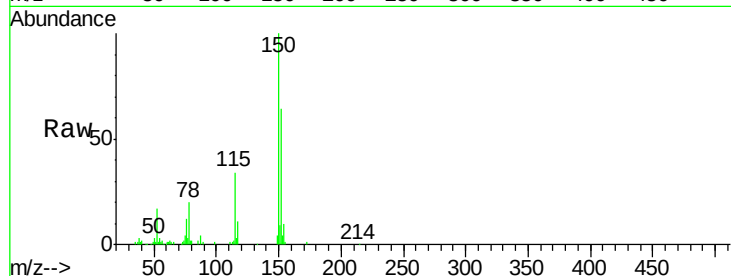


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.77 min Scan# 932  
Delta R.T. -0.01 min  
Lab File: BG032037.D  
Acq: 15 Jan 2018 18:14

Instrument :  
BNA\_G  
ClientSampleId :  
PB105614BL

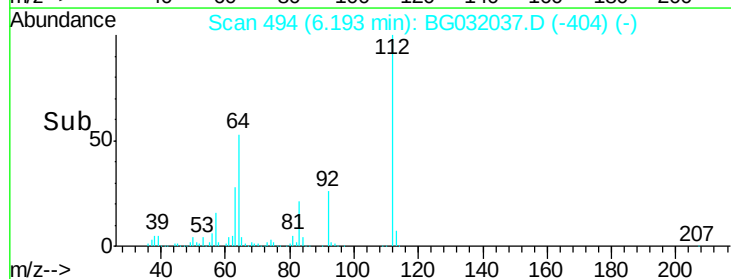
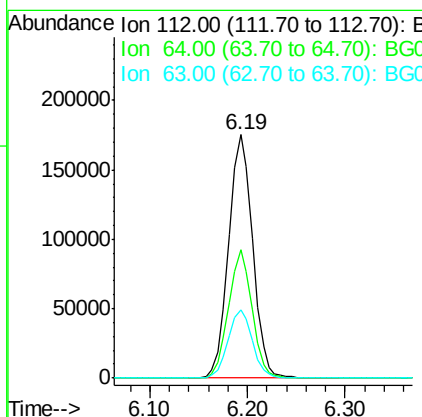
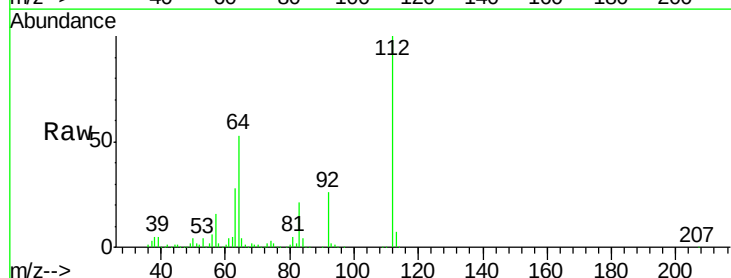
Tgt Ion:152 Resp: 45070  
Ion Ratio Lower Upper  
152 100  
150 156.5 126.6 189.8  
115 53.9 53.0 79.4

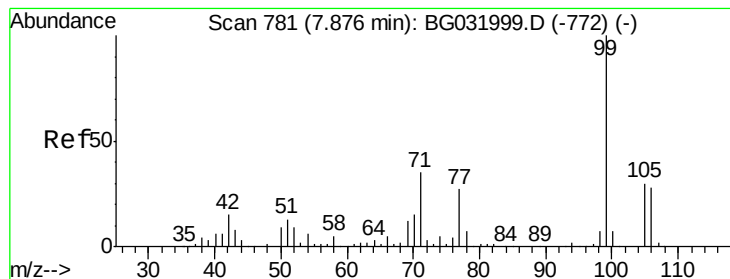


#5

2-Fluorophenol  
Concen: 121.849 ng  
RT: 6.19 min Scan# 494  
Delta R.T. -0.00 min  
Lab File: BG032037.D  
Acq: 15 Jan 2018 18:14

Tgt Ion:112 Resp: 300269  
Ion Ratio Lower Upper  
112 100  
64 52.6 56.3 84.5#  
63 28.0 30.1 45.1#





#7

Phenol-d6

Concen: 117.781 ng

RT: 7.87 min Scan# 780

Delta R.T. -0.00 min

Lab File: BG032037.D

Acq: 15 Jan 2018 18:14

Instrument :

BNA\_G

ClientSampleId :

PB105614BL

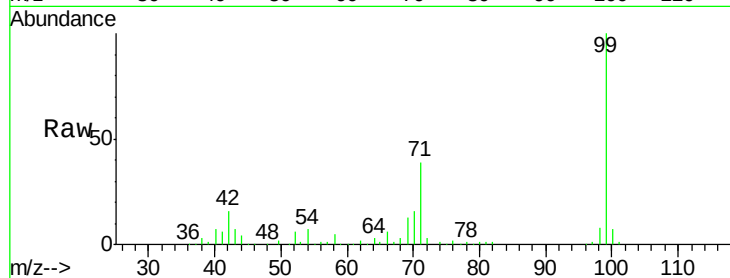
Tgt Ion: 99 Resp: 365546

Ion Ratio Lower Upper

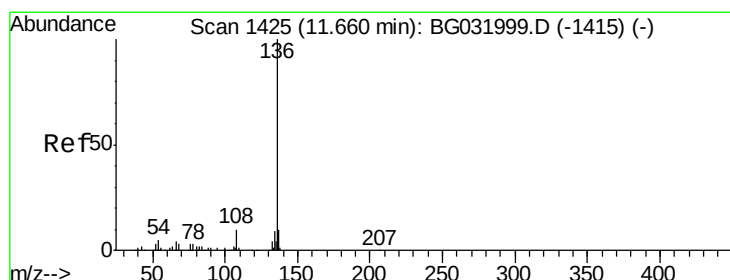
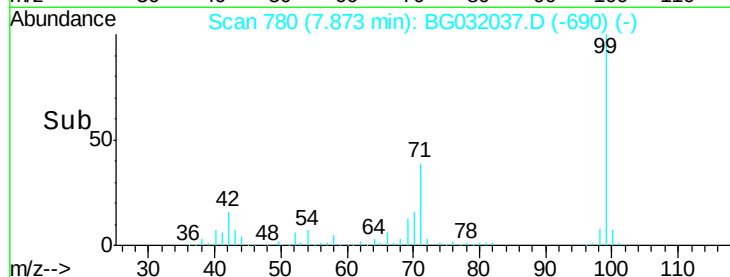
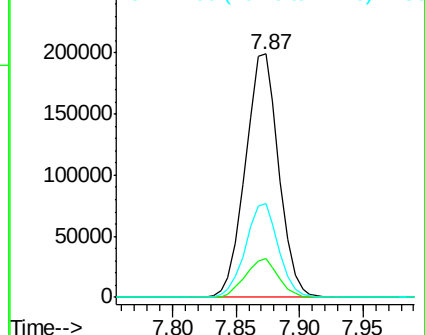
99 100

42 16.1 14.1 21.1

71 38.6 26.1 39.1



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: 20.000 ng

RT: 11.65 min Scan# 1423

Delta R.T. -0.01 min

Lab File: BG032037.D

Acq: 15 Jan 2018 18:14

Tgt Ion: 136 Resp: 176897

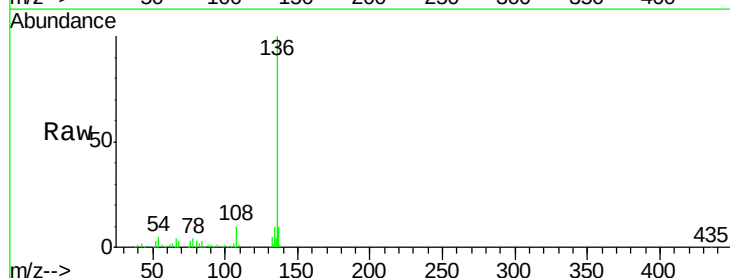
Ion Ratio Lower Upper

136 100

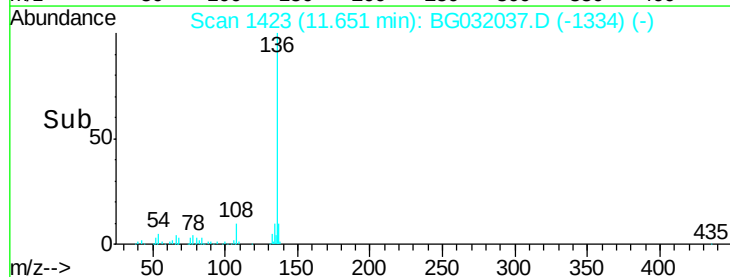
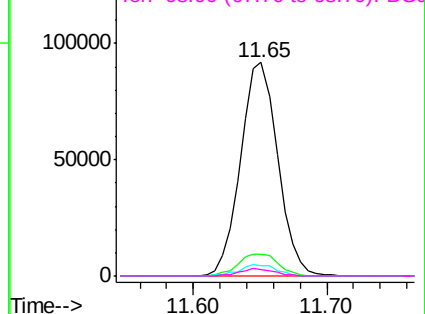
137 10.5 9.2 13.8

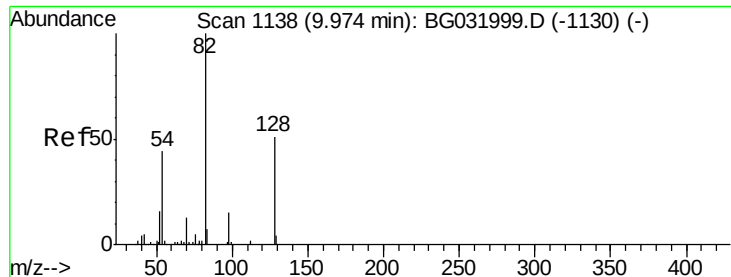
54 5.0 10.3 15.5#

68 3.1 4.5 6.7#



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: 81.317 ng

RT: 9.96 min Scan# 1136

Delta R.T. -0.01 min

Lab File: BG032037.D

Acq: 15 Jan 2018 18:14

Instrument :

BNA\_G

ClientSampleId :

PB105614BL

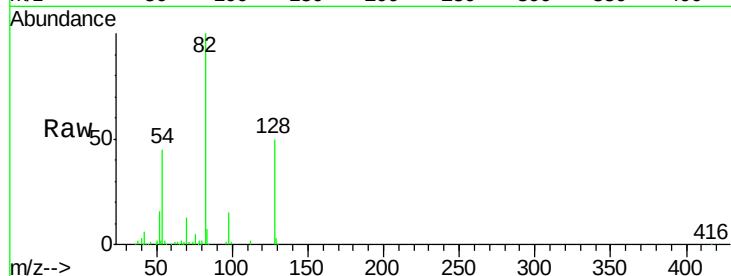
Tgt Ion: 82 Resp: 212622

Ion Ratio Lower Upper

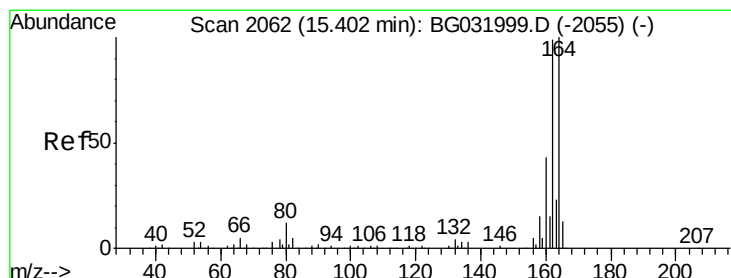
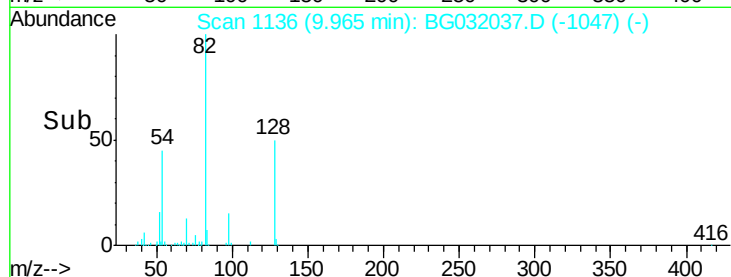
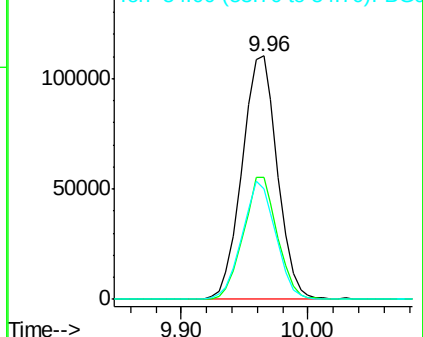
82 100

128 50.2 29.7 44.5#

54 45.5 43.1 64.7



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: 20.000 ng

RT: 15.40 min Scan# 2061

Delta R.T. -0.00 min

Lab File: BG032037.D

Acq: 15 Jan 2018 18:14

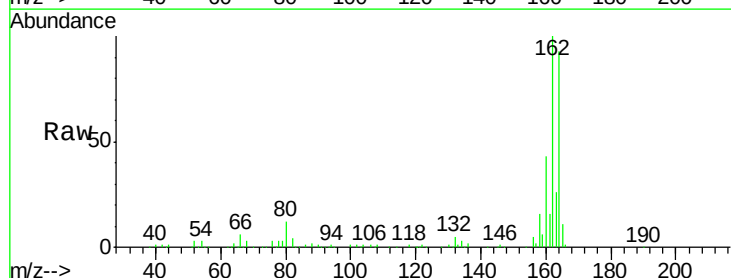
Tgt Ion: 164 Resp: 121154

Ion Ratio Lower Upper

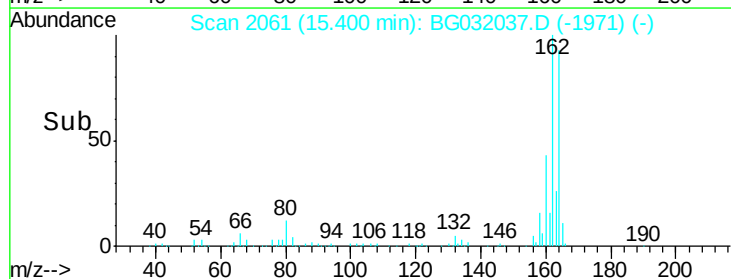
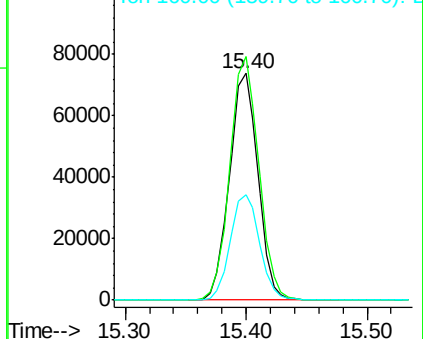
164 100

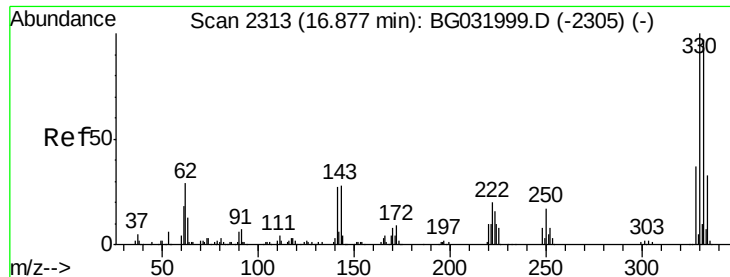
162 107.3 78.8 118.2

160 46.2 35.4 53.0



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

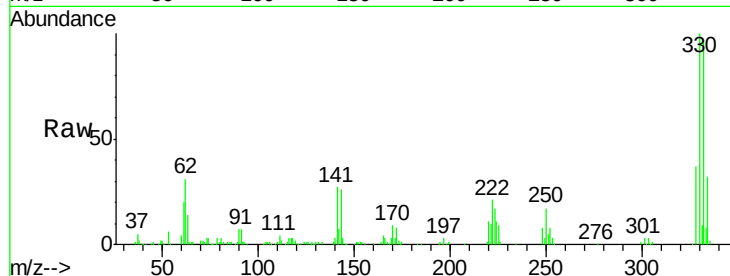




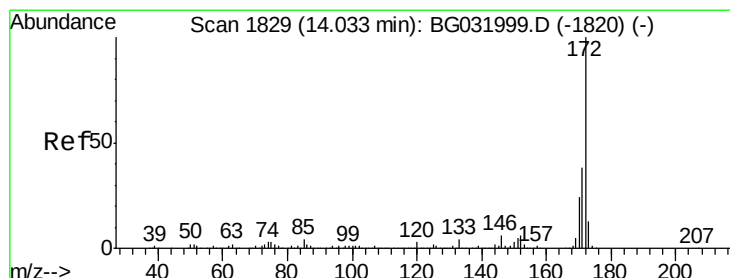
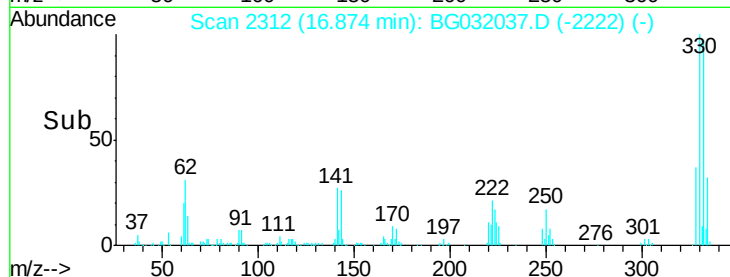
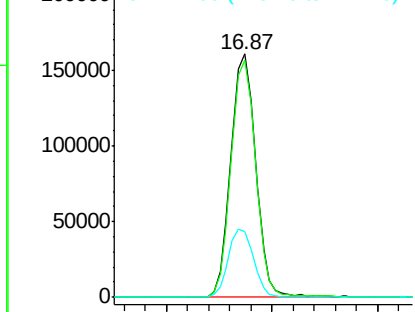
#41  
 2,4,6-Tribromophenol  
 Concen: 130.997 ng  
 RT: 16.87 min Scan# 2312  
 Delta R.T. -0.00 min  
 Lab File: BG032037.D  
 Acq: 15 Jan 2018 18:14

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB105614BL

Tgt Ion:330 Resp: 262624  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 77.0 115.6  
 141 28.8 25.2 37.8

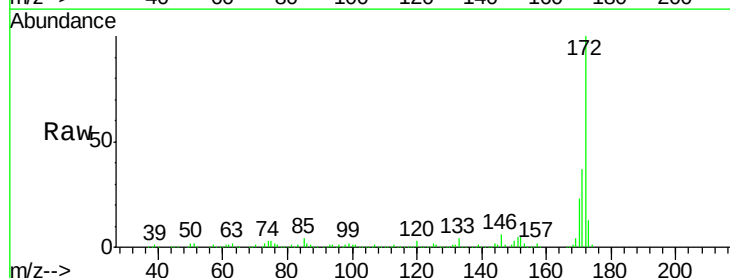


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

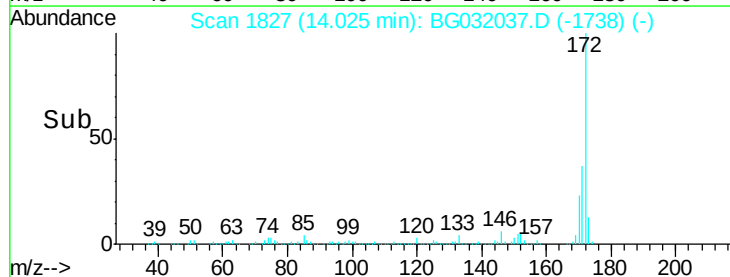
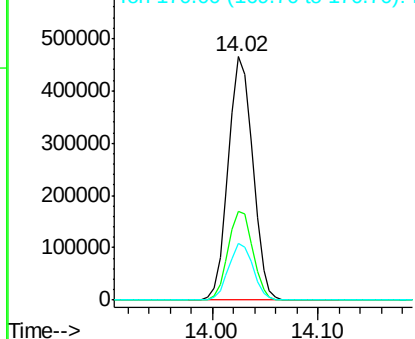


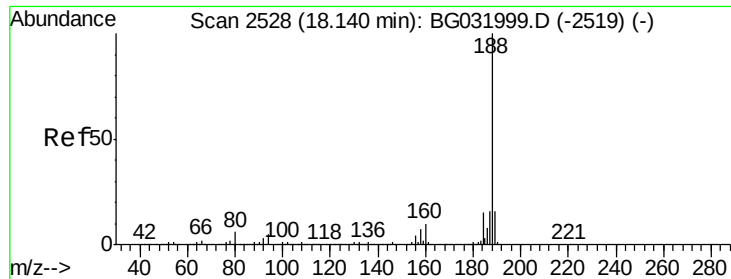
#44  
 2-Fluorobiphenyl  
 Concen: 76.264 ng  
 RT: 14.02 min Scan# 1827  
 Delta R.T. -0.01 min  
 Lab File: BG032037.D  
 Acq: 15 Jan 2018 18:14

Tgt Ion:172 Resp: 745164  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 30.0 45.0  
 170 23.2 19.5 29.3



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: 20.000 ng

RT: 18.13 min Scan# 2526

Delta R.T. -0.01 min

Lab File: BG032037.D

Acq: 15 Jan 2018 18:14

Instrument :

BNA\_G

ClientSampleId :

PB105614BL

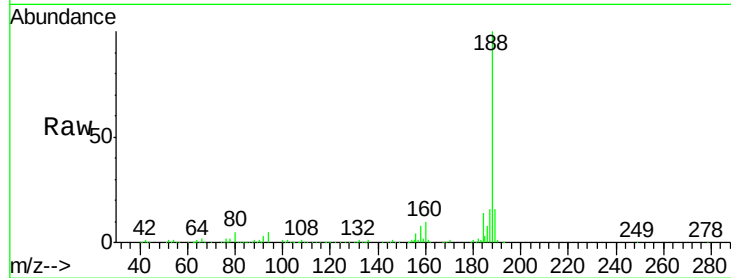
Tgt Ion:188 Resp: 349756

Ion Ratio Lower Upper

188 100

94 5.1 6.9 10.3#

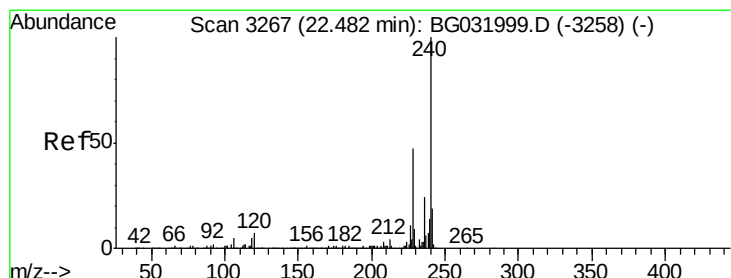
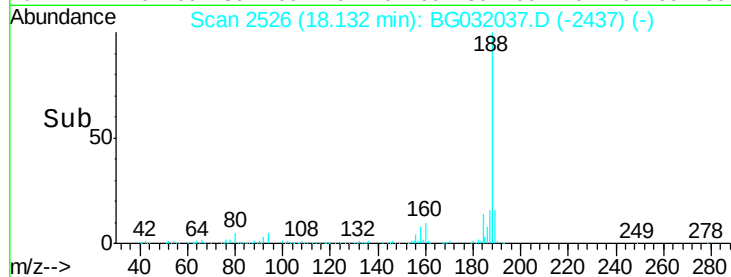
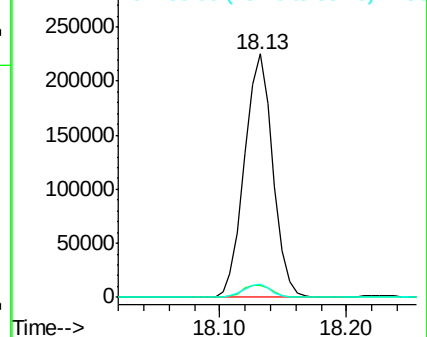
80 5.5 7.7 11.5#



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: 20.000 ng

RT: 22.47 min Scan# 3264

Delta R.T. -0.01 min

Lab File: BG032037.D

Acq: 15 Jan 2018 18:14

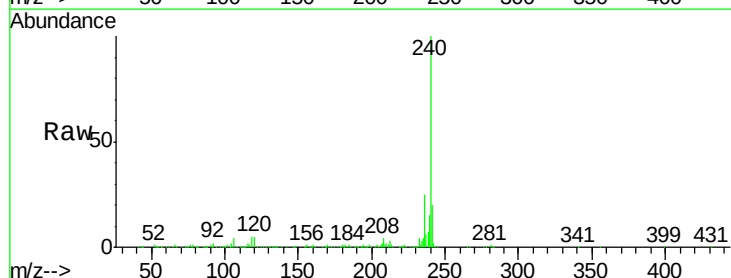
Tgt Ion:240 Resp: 453210

Ion Ratio Lower Upper

240 100

120 5.3 6.8 10.2#

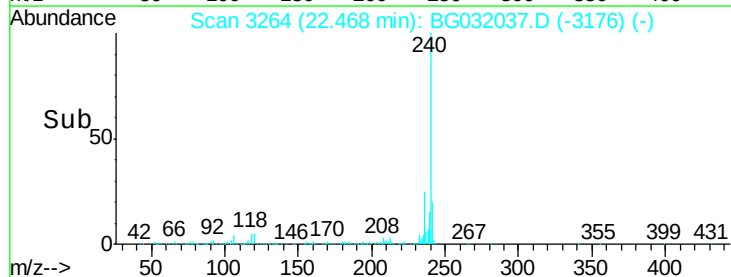
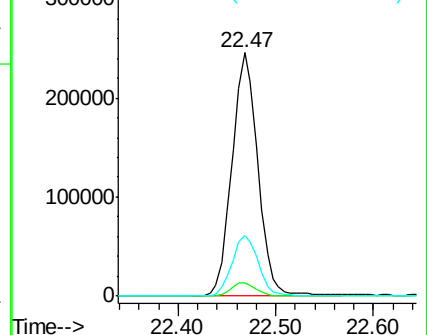
236 25.1 20.9 31.3

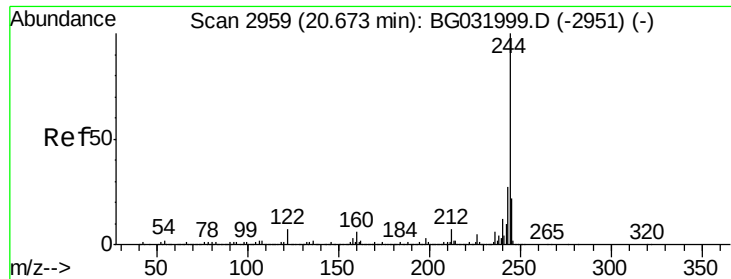


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 80.993 ng

RT: 20.66 min Scan# 2957

Delta R.T. -0.01 min

Lab File: BG032037.D

Acq: 15 Jan 2018 18:14

Instrument :

BNA\_G

ClientSampleId :

PB105614BL

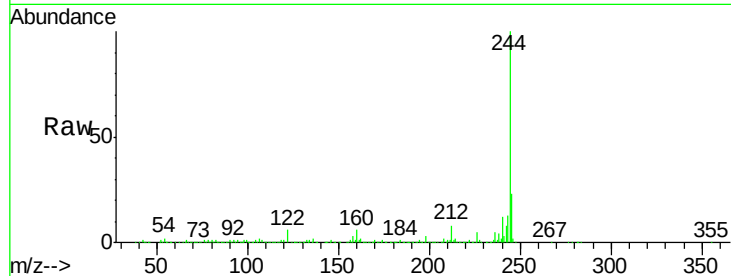
Tgt Ion:244 Resp: 1662418

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

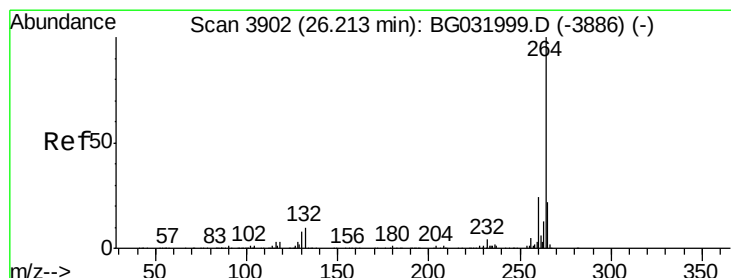
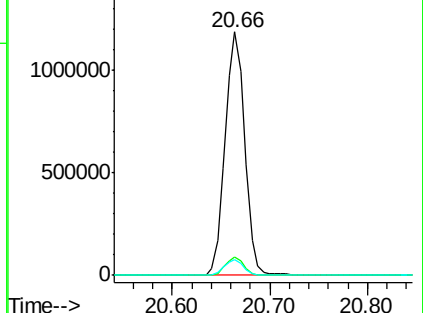
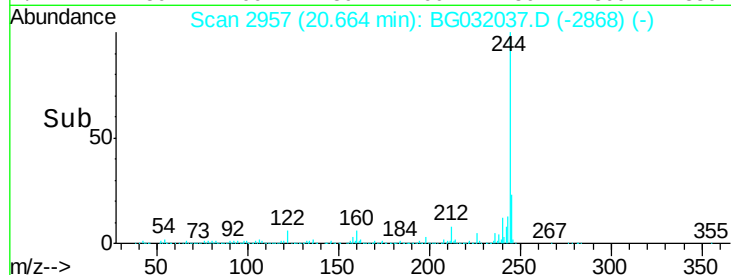
122 6.5 7.0 10.4#



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: 20.000 ng

RT: 26.19 min Scan# 3897

Delta R.T. -0.03 min

Lab File: BG032037.D

Acq: 15 Jan 2018 18:14

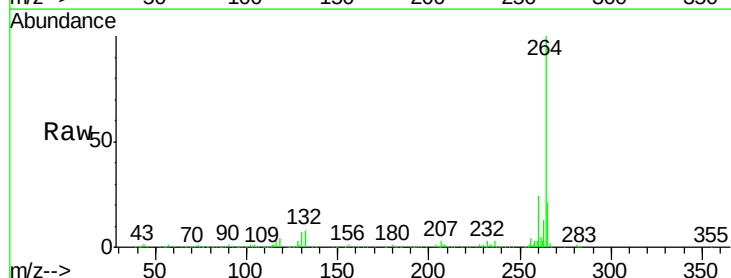
Tgt Ion:264 Resp: 462687

Ion Ratio Lower Upper

264 100

260 24.0 17.4 26.0

265 21.5 17.7 26.5



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

