

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111317\  
 Data File : BG030998.D  
 Acq On : 14 Nov 2017 7:13  
 Operator : SJ/JU  
 Sample : I6427-03  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Nov 14 07:46:41 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG111017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 10 15:38:25 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.14  | 152  | 43425    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.96 | 136  | 165582   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.76 | 164  | 107214   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.50 | 188  | 295495   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.77 | 240  | 408961   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 25.07 | 264  | 403614   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.70  | 112  | 358488   | 141.56 | ng    | 0.00     |
| 7) Phenol-d6                | 7.31  | 99   | 390553   | 114.47 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.31  | 82   | 312763   | 111.93 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.25 | 330  | 355664   | 205.07 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.39 | 172  | 918495   | 123.10 | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.09 | 244  | 1986720  | 107.27 | ng    | 0.00     |

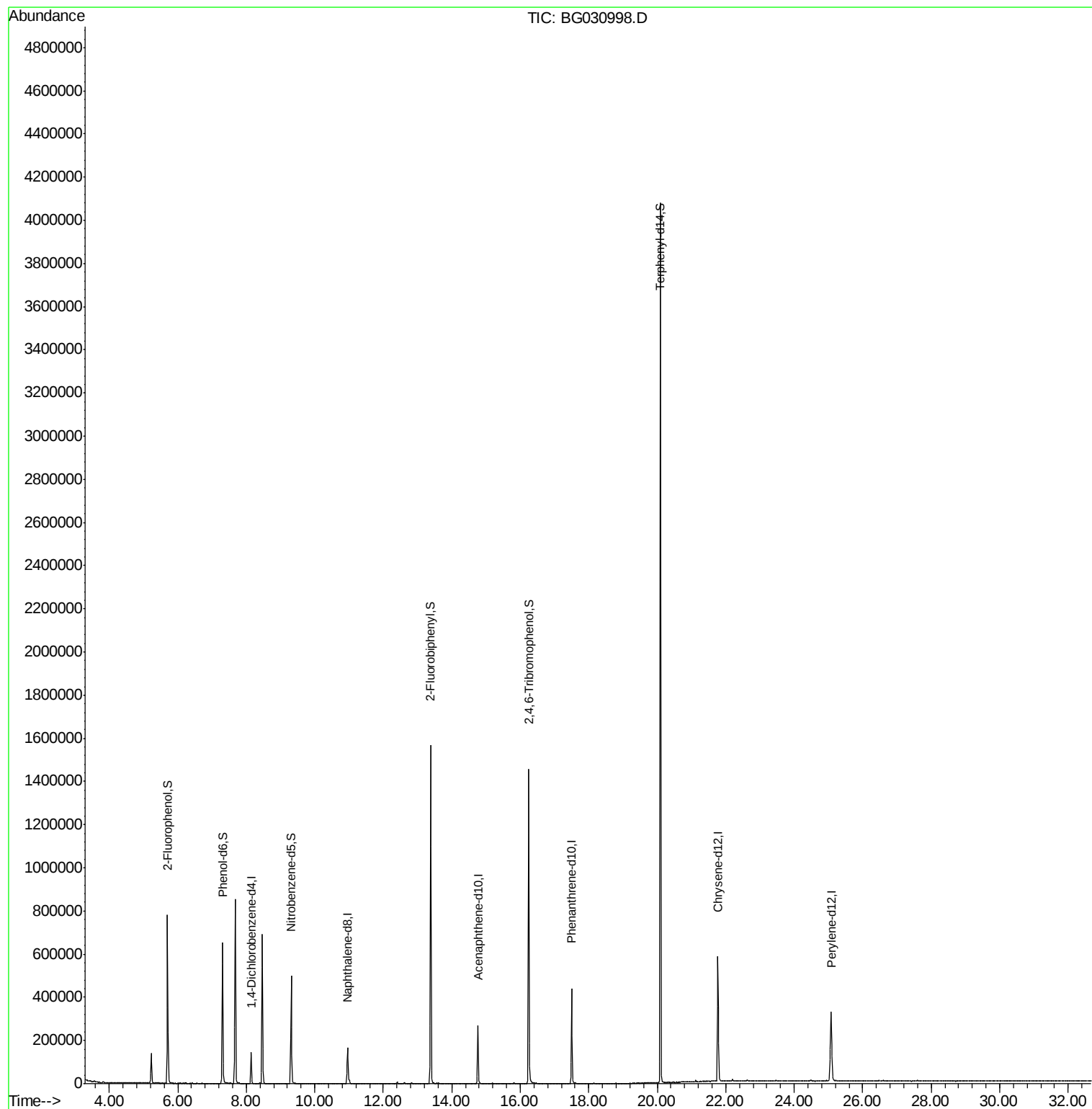
Target Compounds Qvalue

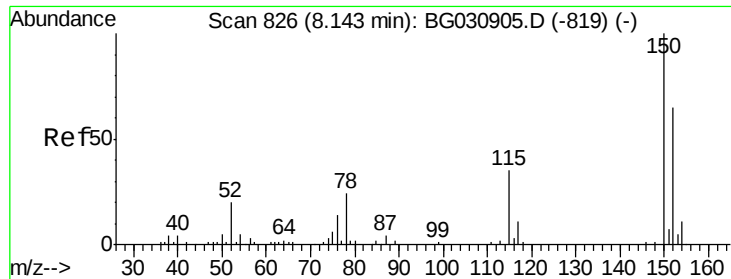
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 10 15:38:25 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.14 min Scan# 826

Delta R.T. -0.01 min

Lab File: BG030998.D

Acq: 14 Nov 2017 7:13

Instrument :

BNA\_G

ClientSampled :

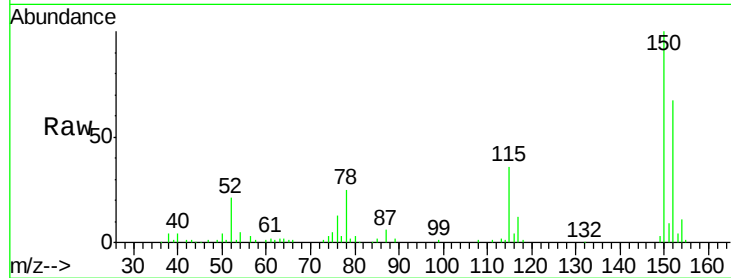
Tot Ion:152 Resp: 43425

Ion Ratio Lower Upper

152 100

150 150.1 126.6 189.8

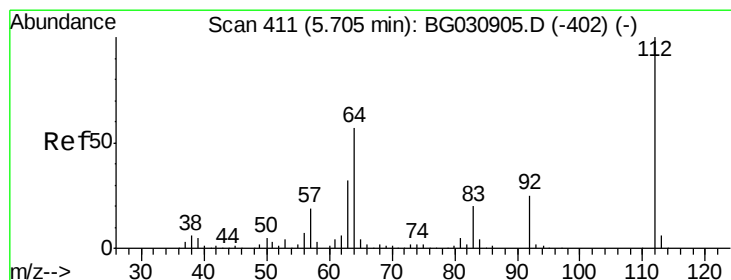
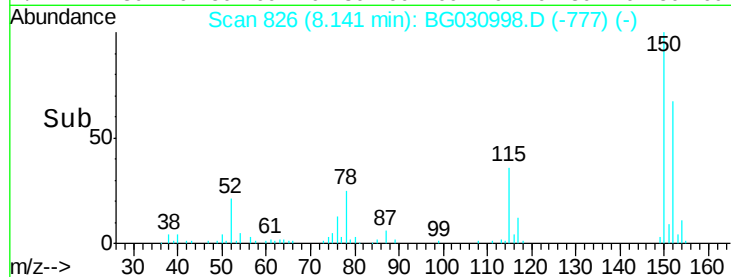
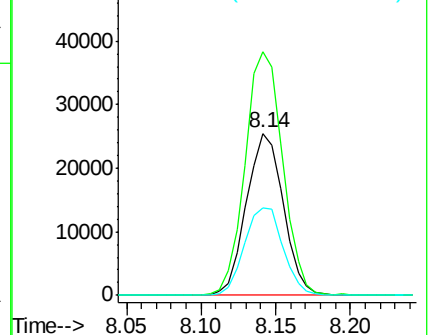
115 54.3 53.0 79.4



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: 141.56 ng

RT: 5.70 min Scan# 411

Delta R.T. -0.00 min

Lab File: BG030998.D

Acq: 14 Nov 2017 7:13

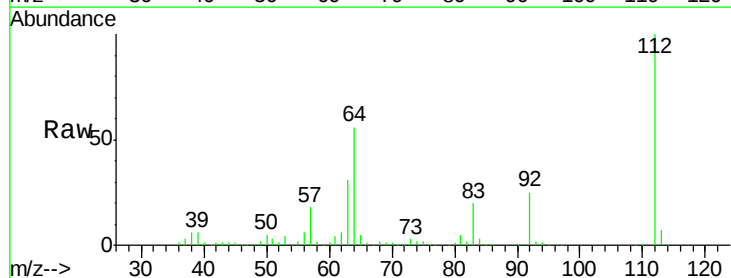
Tgt Ion:112 Resp: 358488

Ion Ratio Lower Upper

112 100

64 56.5 56.3 84.5

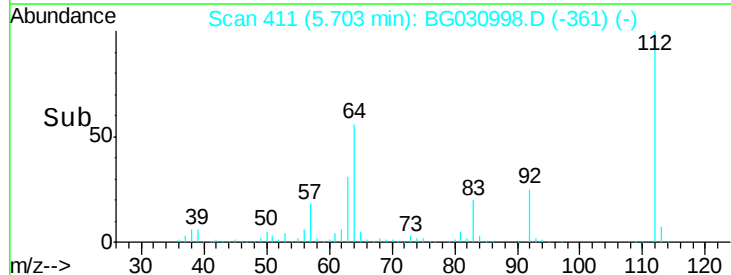
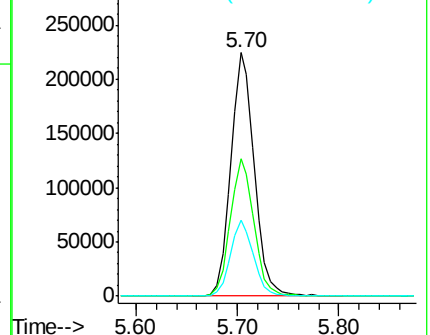
63 31.2 30.1 45.1

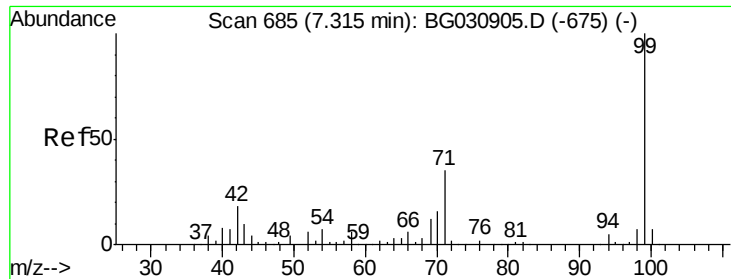


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 114.47 ng

RT: 7.31 min Scan# 684

Delta R.T. 0.00 min

Lab File: BG030998.D

Acq: 14 Nov 2017 7:13

Instrument :

BNA\_G

ClientSampled :

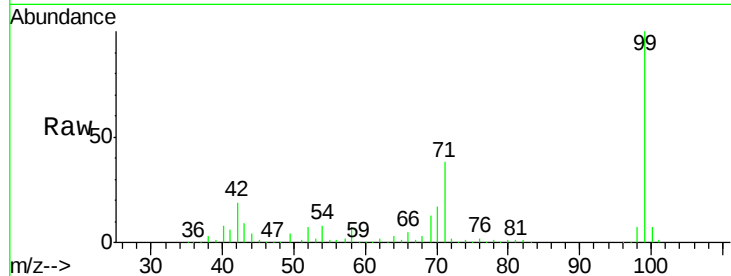
Tot Ion: 99 Resp: 390553

Ion Ratio Lower Upper

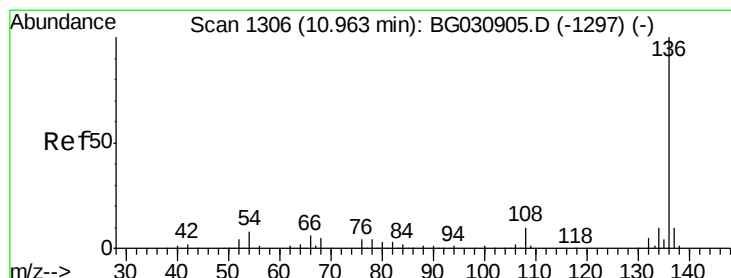
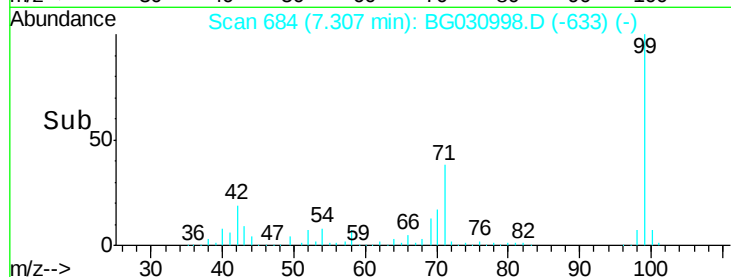
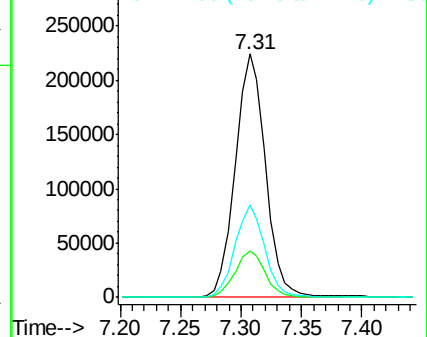
99 100

42 19.3 14.1 21.1

71 38.2 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: 20.00 ng

RT: 10.96 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BG030998.D

Acq: 14 Nov 2017 7:13

Tgt Ion: 136 Resp: 165582

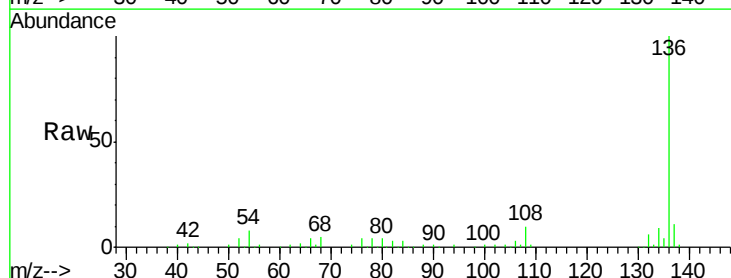
Ion Ratio Lower Upper

136 100

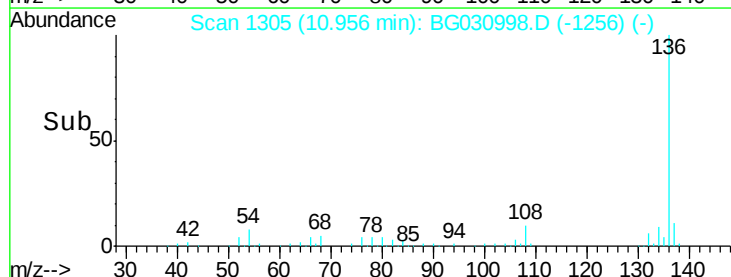
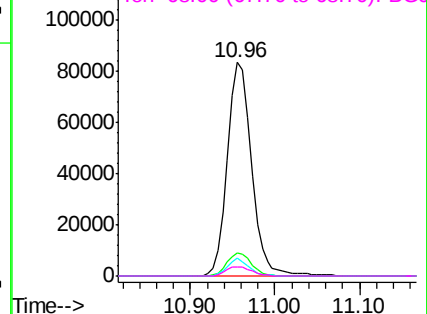
137 10.7 9.2 13.8

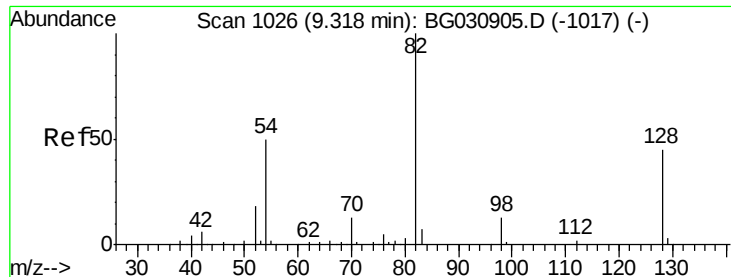
54 8.2 10.3 15.5#

68 4.5 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

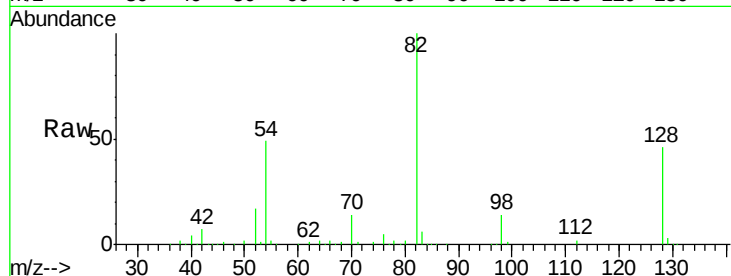




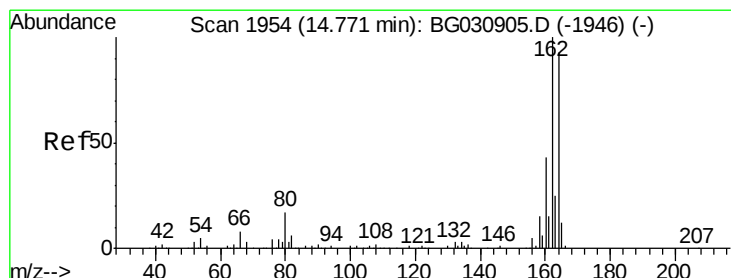
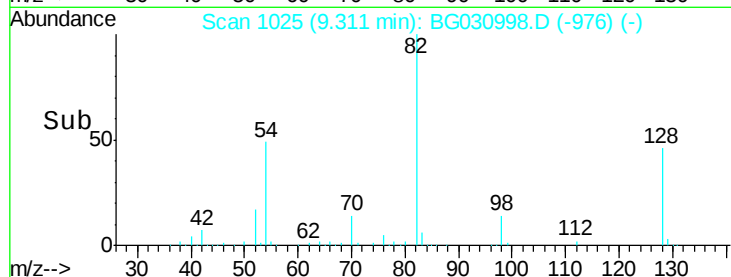
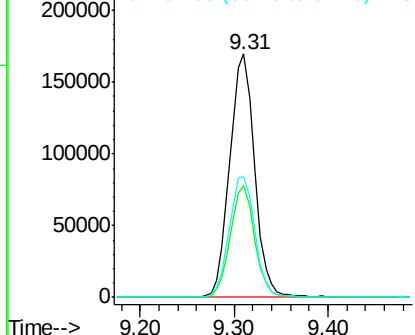
#23  
 Nitrobenzene-d5  
 Concen: 111.93 ng  
 RT: 9.31 min Scan# 1025  
 Delta R.T. -0.01 min  
 Lab File: BG030998.D  
 Acq: 14 Nov 2017 7:13

Instrument :  
 BNA\_G  
 ClientSampled :

Tot Ion: 82 Resp: 312763  
 Ion Ratio Lower Upper  
 82 100  
 128 45.9 29.7 44.5#  
 54 49.4 43.1 64.7

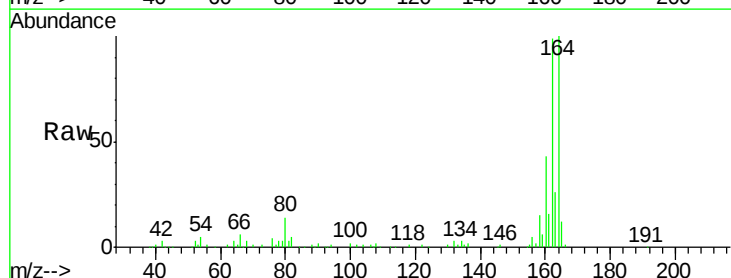


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

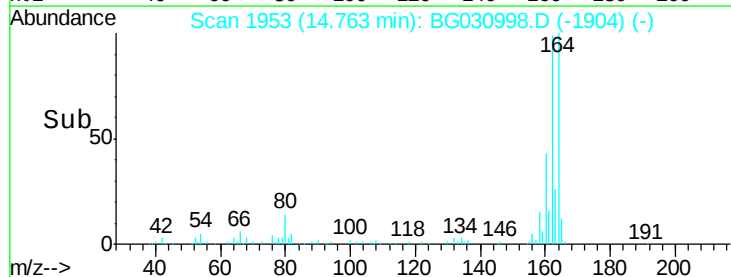
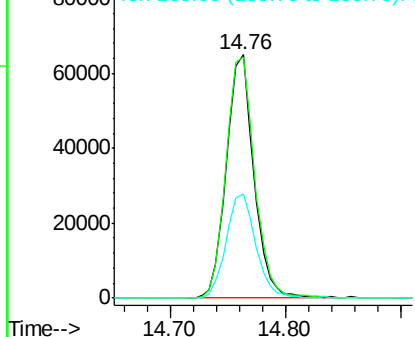


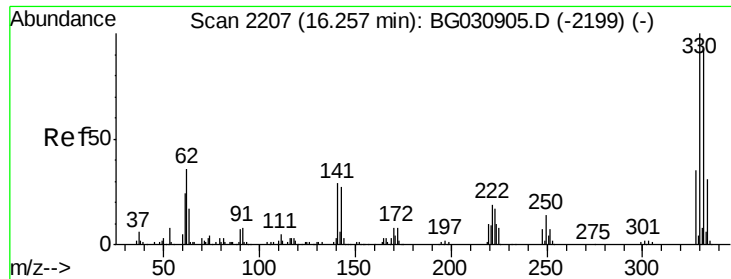
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.76 min Scan# 1953  
 Delta R.T. -0.01 min  
 Lab File: BG030998.D  
 Acq: 14 Nov 2017 7:13

Tgt Ion:164 Resp: 107214  
 Ion Ratio Lower Upper  
 164 100  
 162 99.2 78.8 118.2  
 160 42.9 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

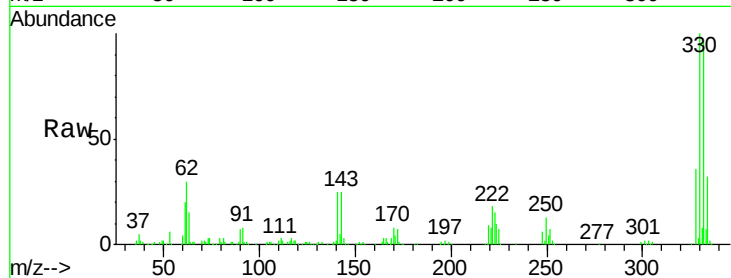




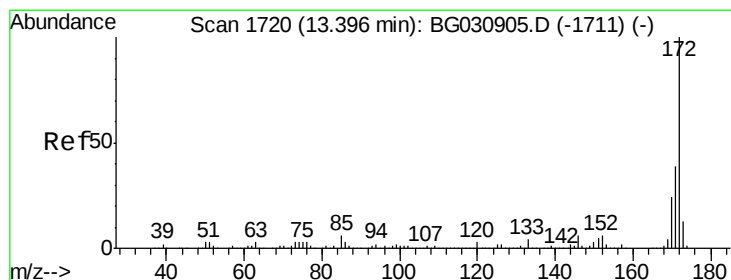
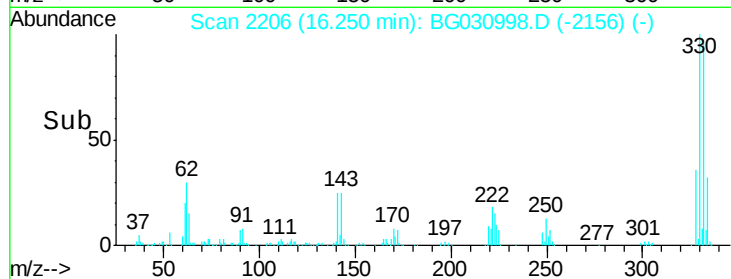
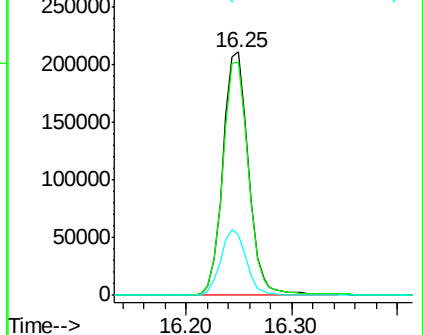
#41  
 2,4,6-Tribromophenol  
 Concen: 205.07 ng  
 RT: 16.25 min Scan# 2206  
 Delta R.T. -0.01 min  
 Lab File: BG030998.D  
 Acq: 14 Nov 2017 7:13

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:330 Resp: 355664  
 Ion Ratio Lower Upper  
 330 100  
 332 96.6 77.0 115.6  
 141 27.2 25.2 37.8

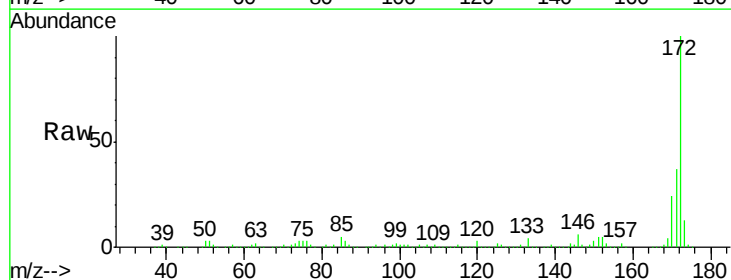


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

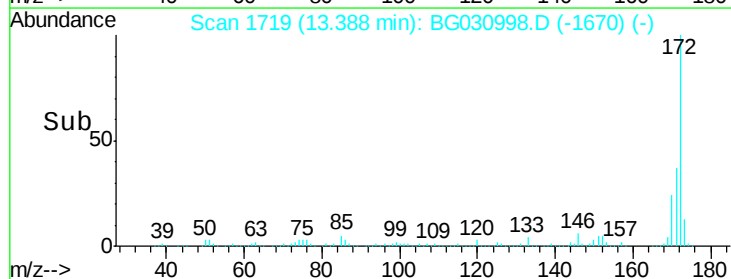
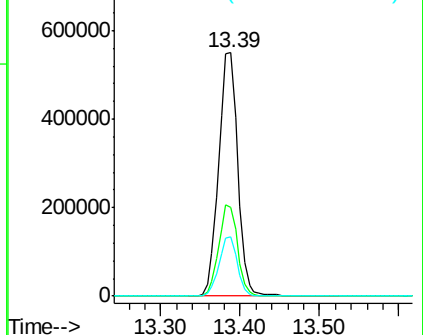


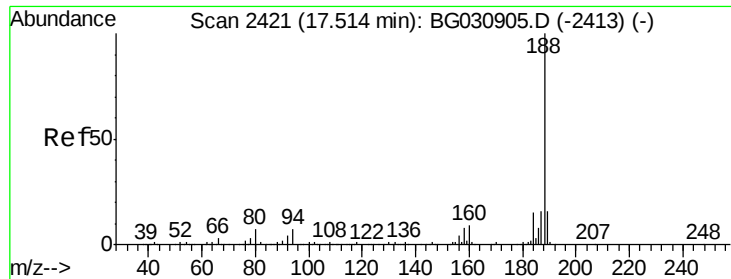
#44  
 2-Fluorobiphenyl  
 Concen: 123.10 ng  
 RT: 13.39 min Scan# 1719  
 Delta R.T. -0.01 min  
 Lab File: BG030998.D  
 Acq: 14 Nov 2017 7:13

Tgt Ion:172 Resp: 918495  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 30.0 45.0  
 170 24.1 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: 20.00 ng

RT: 17.50 min Scan# 2419

Delta R.T. -0.01 min

Lab File: BG030998.D

Acq: 14 Nov 2017 7:13

Instrument :

BNA\_G

ClientSampleId :

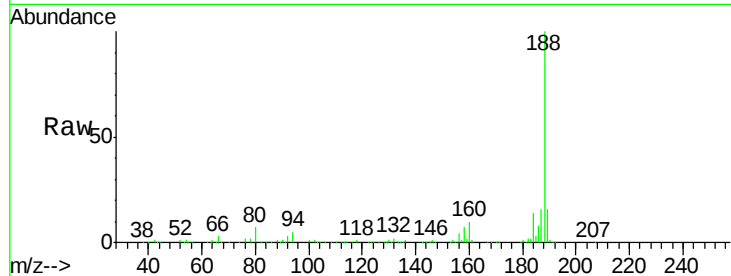
Tot Ion:188 Resp: 295495

Ion Ratio Lower Upper

188 100

94 5.5 6.9 10.3#

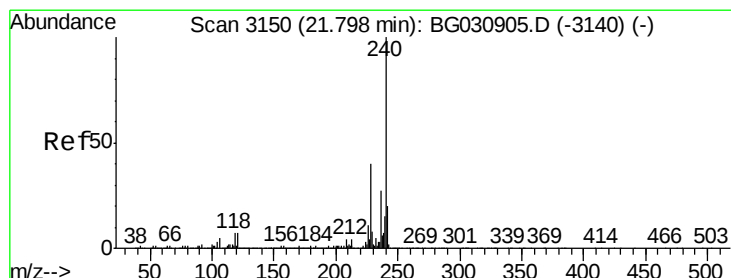
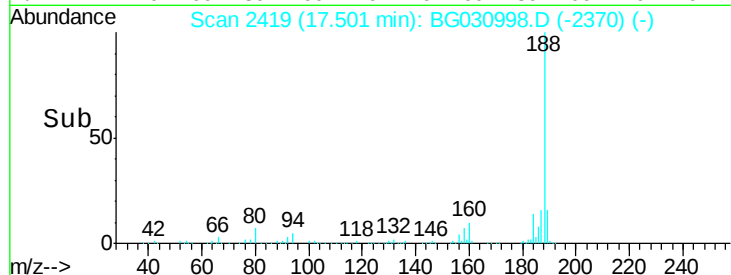
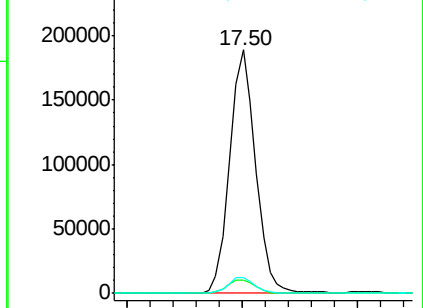
80 6.7 7.7 11.5#



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: 20.00 ng

RT: 21.77 min Scan# 3146

Delta R.T. -0.01 min

Lab File: BG030998.D

Acq: 14 Nov 2017 7:13

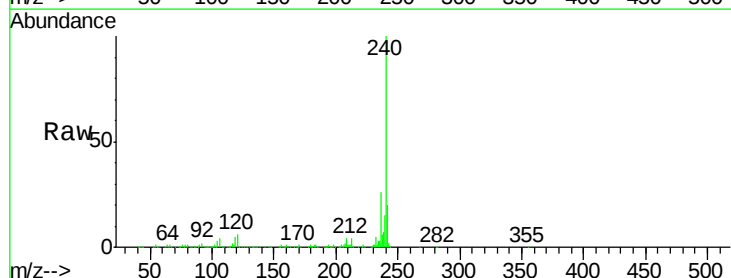
Tgt Ion:240 Resp: 408961

Ion Ratio Lower Upper

240 100

120 5.9 6.8 10.2#

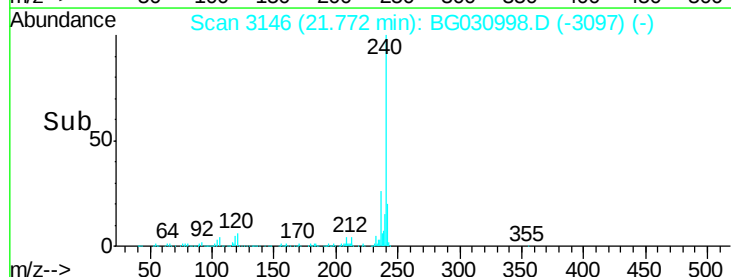
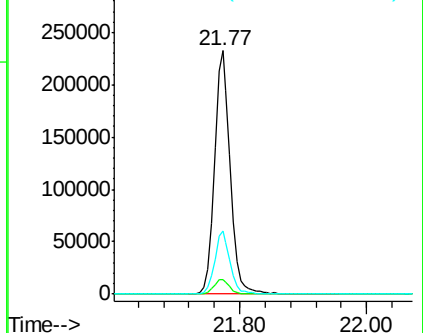
236 26.0 20.9 31.3



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: 107.27 ng

RT: 20.09 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BG030998.D

Acq: 14 Nov 2017 7:13

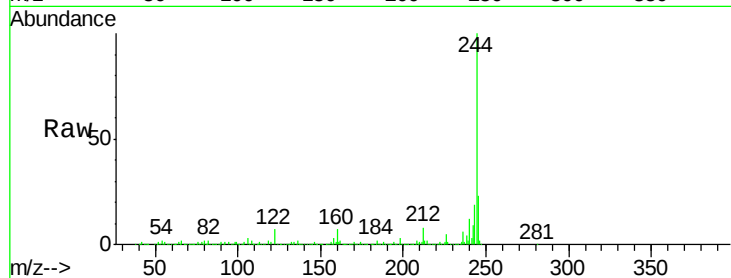
Instrument :

BNA\_G

ClientSampleId :

Tot Ion:244 Resp: 1986720

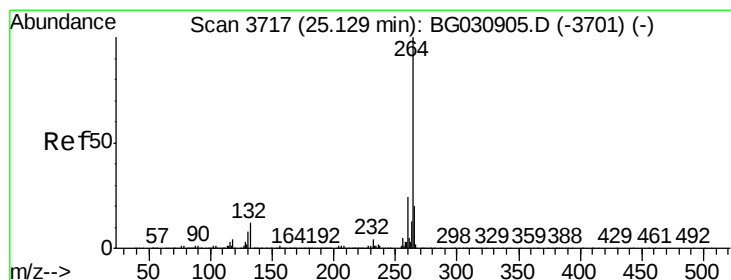
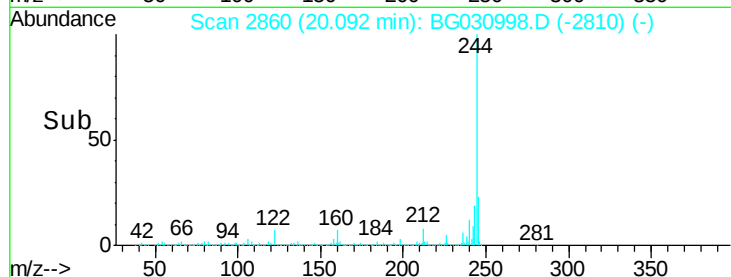
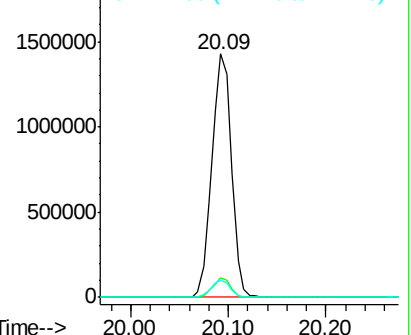
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.9   | 5.8   | 8.8   |
| 122 | 7.3   | 7.0   | 10.4  |



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: 20.00 ng

RT: 25.07 min Scan# 3708

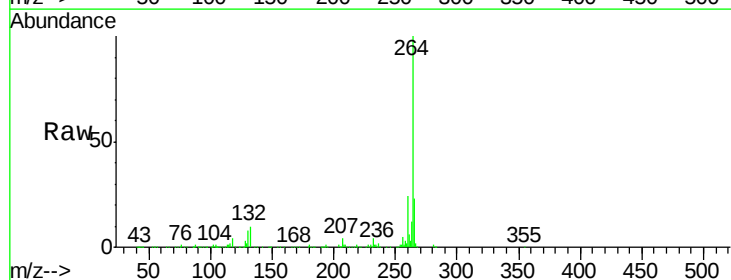
Delta R.T. -0.02 min

Lab File: BG030998.D

Acq: 14 Nov 2017 7:13

Tgt Ion:264 Resp: 403614

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 17.4  | 26.0  |
| 265 | 22.6  | 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

