

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111017\  
 Data File : BG030919.D  
 Acq On : 10 Nov 2017 22:59  
 Operator : SJ/JU  
 Sample : PB104078BL  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Nov 11 05:04:15 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  | 35000    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.96 | 136  | 141706   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.77 | 164  | 94114    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.50 | 188  | 266923   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 21.77 | 240  | 355242   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 25.08 | 264  | 357175   | 20.00 | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.71  | 112  | 185311   | 90.79 | ng    | 0.00     |
| 7) Phenol-d6                | 7.31  | 99   | 235595   | 85.68 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.31  | 82   | 200721   | 83.93 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.25 | 330  | 139138   | 91.39 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.38 | 172  | 594137   | 90.71 | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.09 | 244  | 1247829  | 77.56 | ng    | 0.00     |

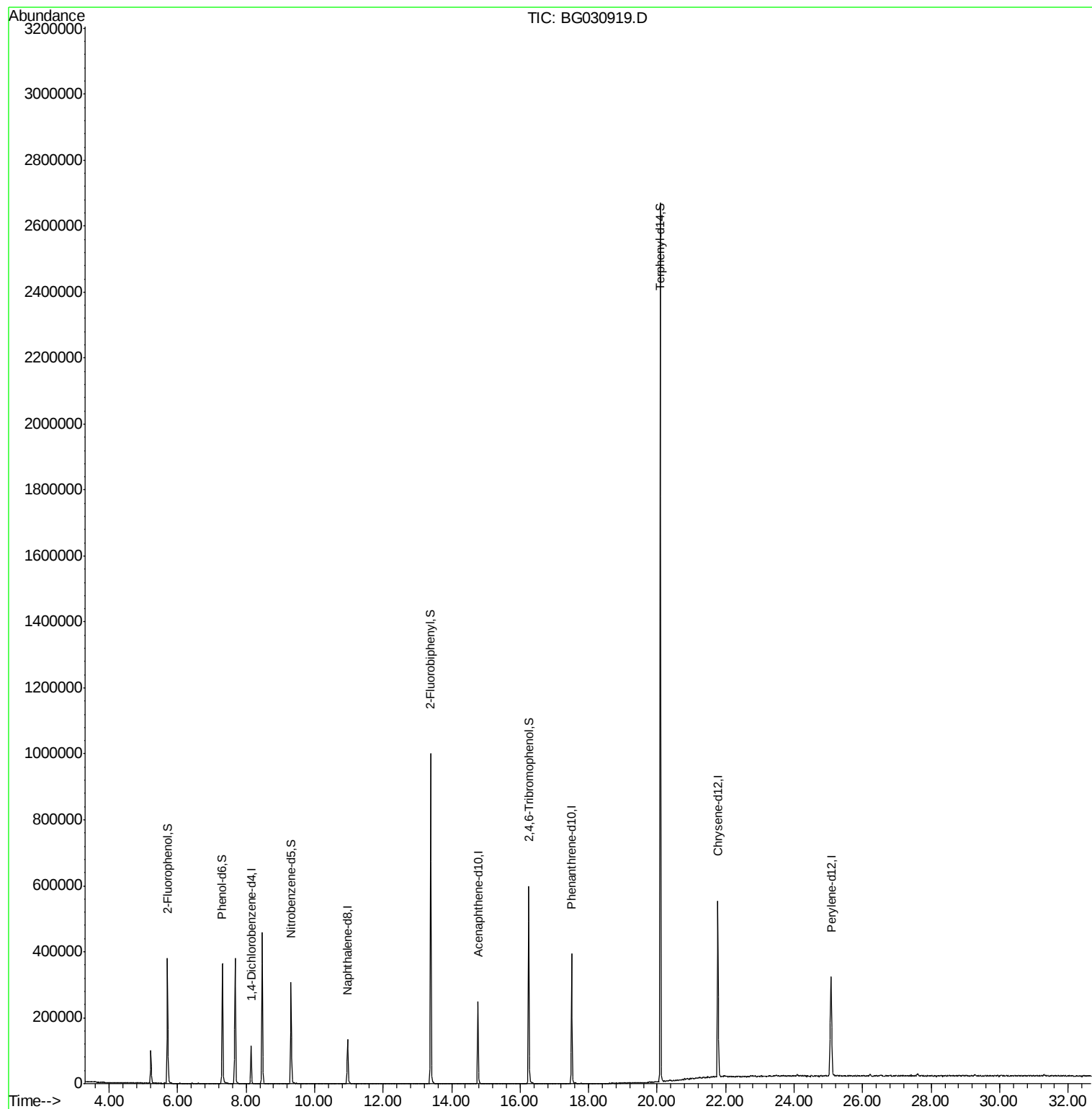
Target Compounds Qvalue

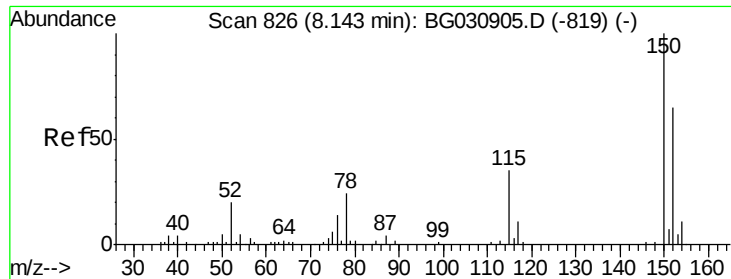
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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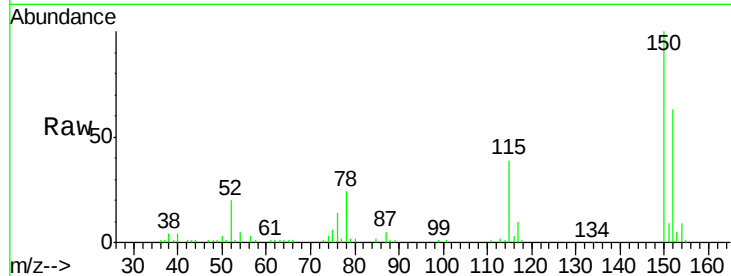


#1

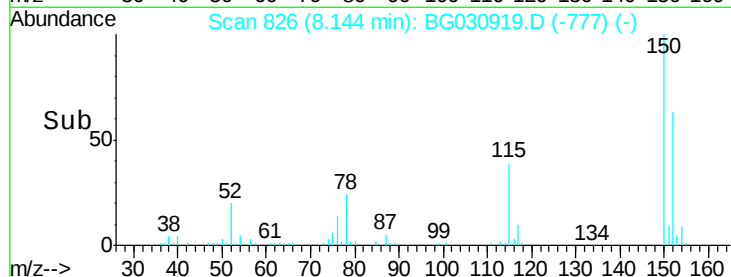
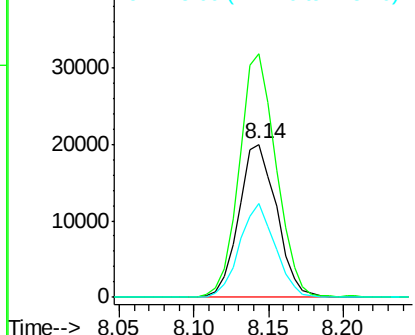
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.14 min Scan# 826  
Delta R.T. -0.01 min  
Lab File: BG030919.D  
Acq: 10 Nov 2017 22:59

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 35000  
Ion Ratio Lower Upper  
152 100  
150 159.1 126.6 189.8  
115 61.4 53.0 79.4



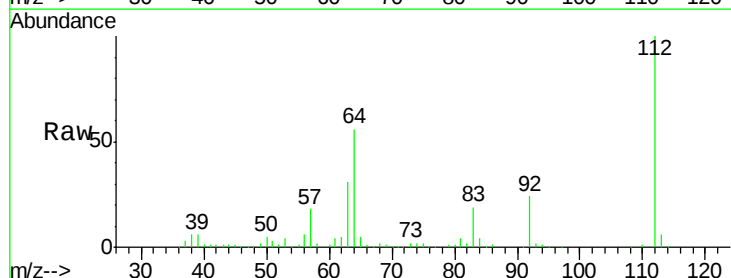
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



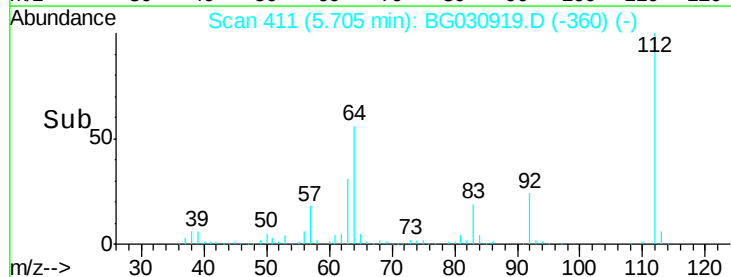
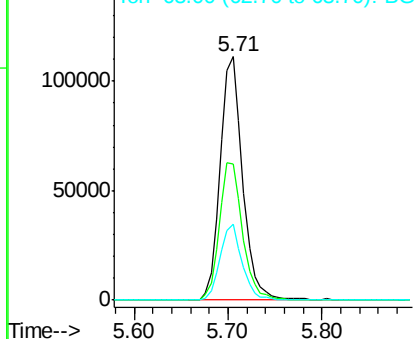
#5

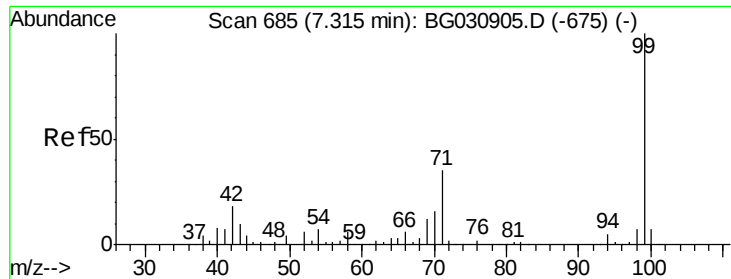
2-Fluorophenol  
Concen: 90.79 ng  
RT: 5.71 min Scan# 411  
Delta R.T. -0.00 min  
Lab File: BG030919.D  
Acq: 10 Nov 2017 22:59

Tgt Ion:112 Resp: 185311  
Ion Ratio Lower Upper  
112 100  
64 55.9 56.3 84.5#  
63 31.3 30.1 45.1



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: 85.68 ng

RT: 7.31 min Scan# 684

Delta R.T. 0.00 min

Lab File: BG030919.D

Acq: 10 Nov 2017 22:59

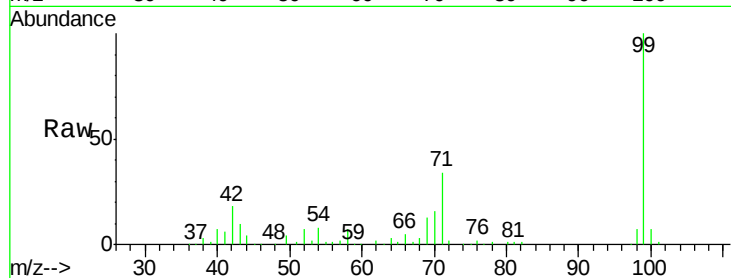
Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 99 Resp: 235595

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.7  | 14.1  | 21.1  |
| 71  | 33.8  | 26.1  | 39.1  |

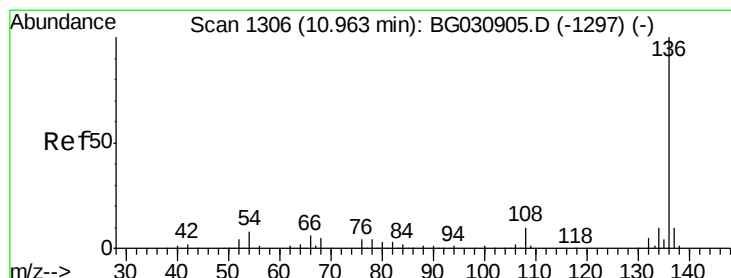
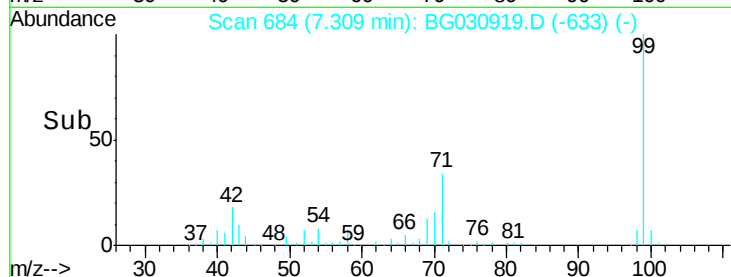
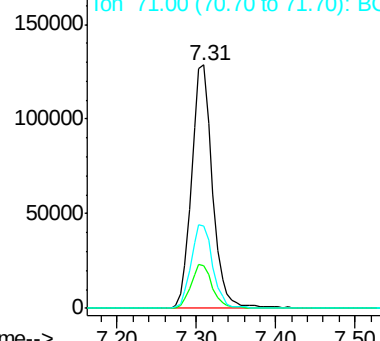


Abundance

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

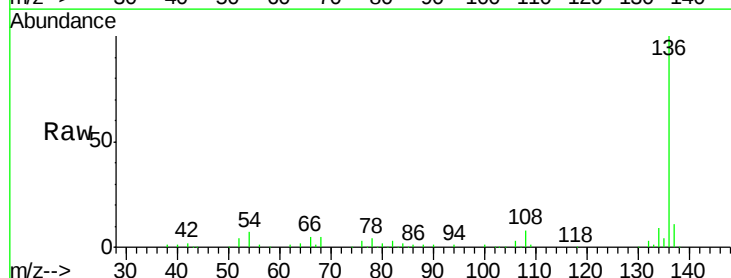
Delta R.T. -0.01 min

Lab File: BG030919.D

Acq: 10 Nov 2017 22:59

Tgt Ion: 136 Resp: 141706

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 9.2   | 13.8  |
| 54  | 7.2   | 10.3  | 15.5# |
| 68  | 4.6   | 4.5   | 6.7   |



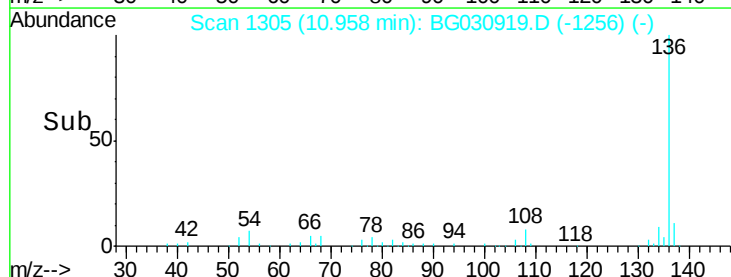
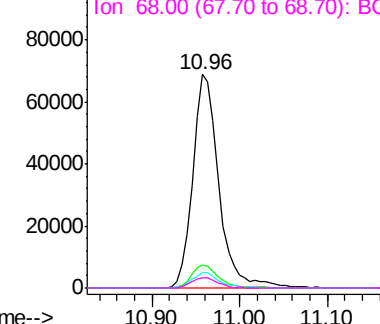
Abundance

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

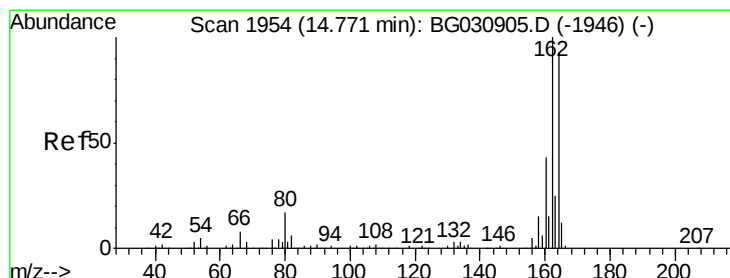
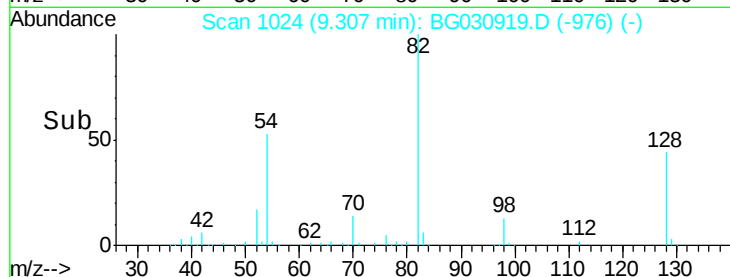
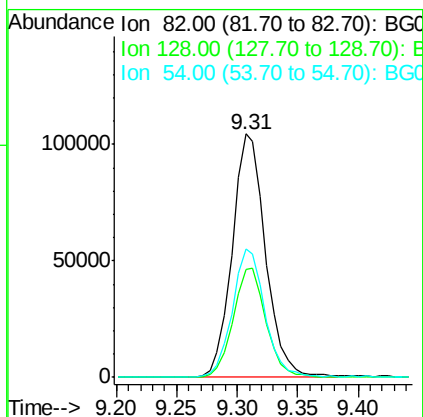
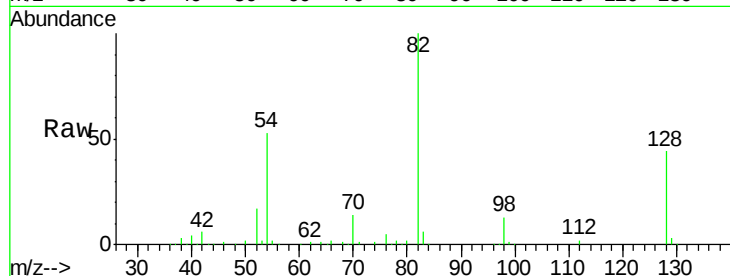




#23  
 Nitrobenzene-d5  
 Concen: 83.93 ng  
 RT: 9.31 min Scan# 1024  
 Delta R.T. -0.02 min  
 Lab File: BG030919.D  
 Acq: 10 Nov 2017 22:59

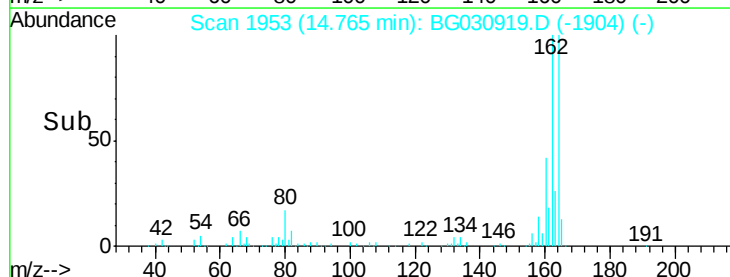
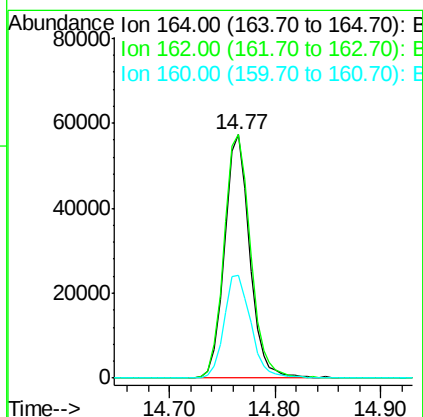
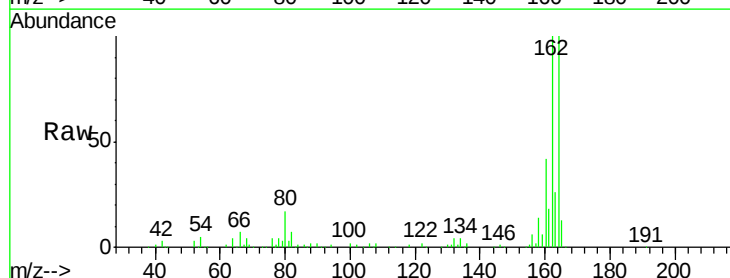
Instrument :  
 BNA\_G  
 ClientSampled :

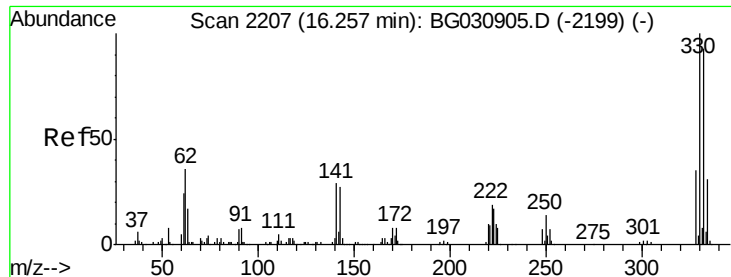
Tot Ion: 82 Resp: 200721  
 Ion Ratio Lower Upper  
 82 100  
 128 44.2 29.7 44.5  
 54 52.8 43.1 64.7



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.77 min Scan# 1953  
 Delta R.T. -0.01 min  
 Lab File: BG030919.D  
 Acq: 10 Nov 2017 22:59

Tgt Ion: 164 Resp: 94114  
 Ion Ratio Lower Upper  
 164 100  
 162 100.2 78.8 118.2  
 160 42.3 35.4 53.0

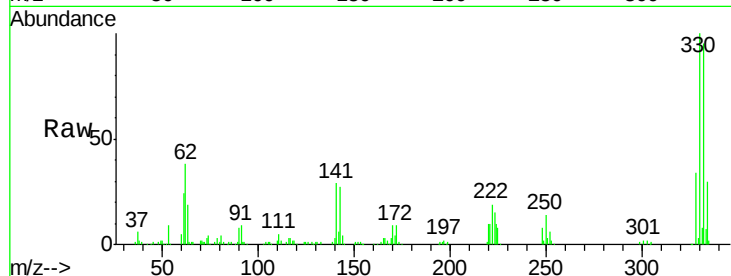




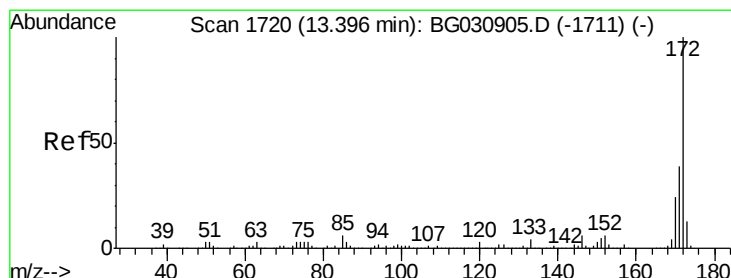
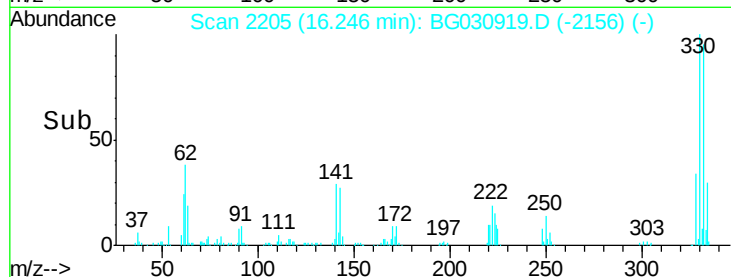
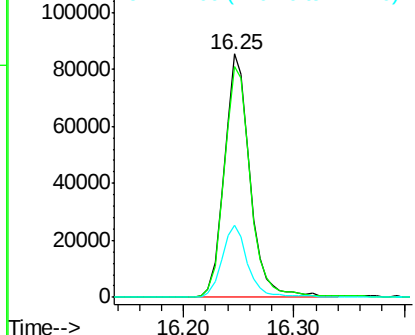
#41  
 2,4,6-Tribromophenol  
 Concen: 91.39 ng  
 RT: 16.25 min Scan# 2205  
 Delta R.T. -0.01 min  
 Lab File: BG030919.D  
 Acq: 10 Nov 2017 22:59

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.3  | 77.0  | 115.6 |
| 141     | 29.6  | 25.2  | 37.8  |

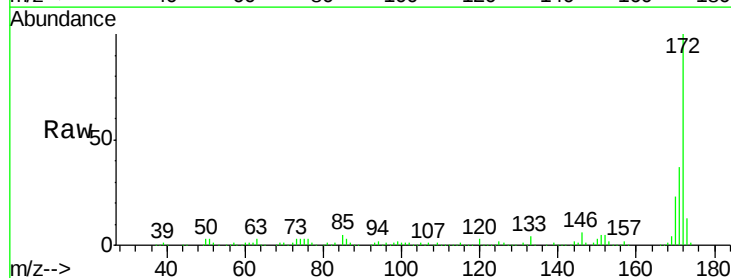


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

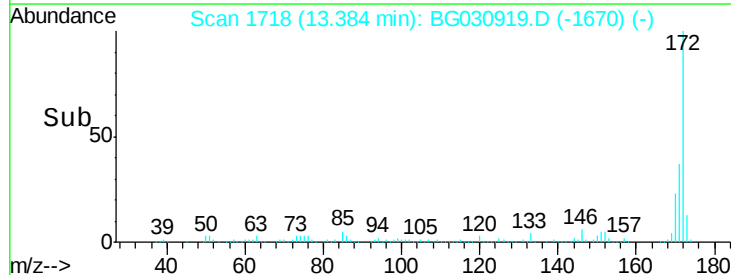
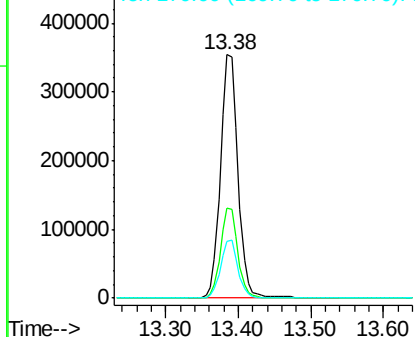


#44  
 2-Fluorobiphenyl  
 Concen: 90.71 ng  
 RT: 13.38 min Scan# 1718  
 Delta R.T. -0.02 min  
 Lab File: BG030919.D  
 Acq: 10 Nov 2017 22:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.9  | 30.0  | 45.0  |
| 170     | 23.3  | 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: BG030919.D

Acq: 10 Nov 2017 22:59

Instrument :

BNA\_G

ClientSampleId :

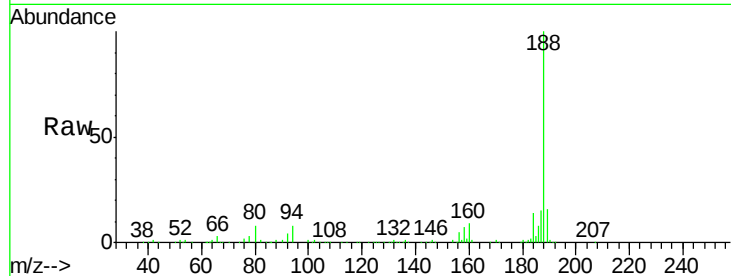
Tot Ion:188 Resp: 266923

Ion Ratio Lower Upper

188 100

94 7.5 6.9 10.3

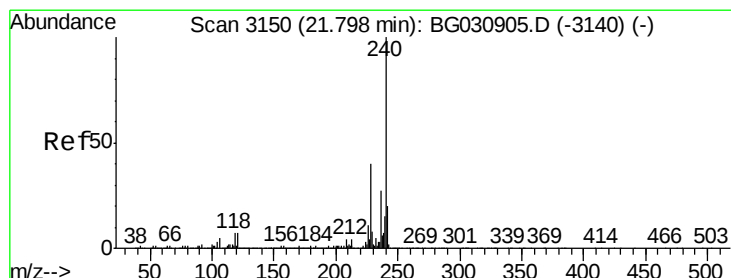
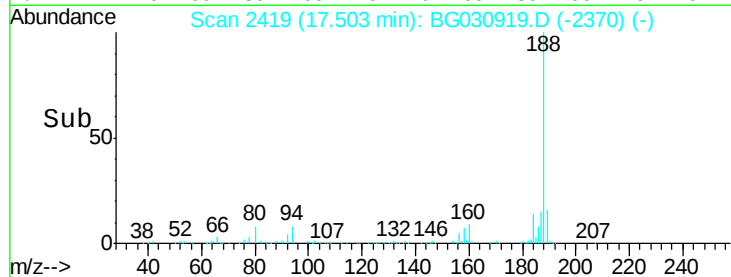
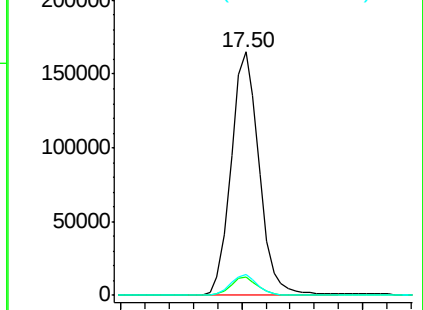
80 8.4 7.7 11.5



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: BG030919.D

Acq: 10 Nov 2017 22:59

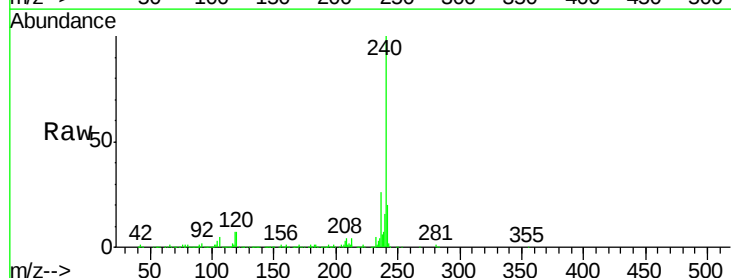
Tgt Ion:240 Resp: 355242

Ion Ratio Lower Upper

240 100

120 6.6 6.8 10.2#

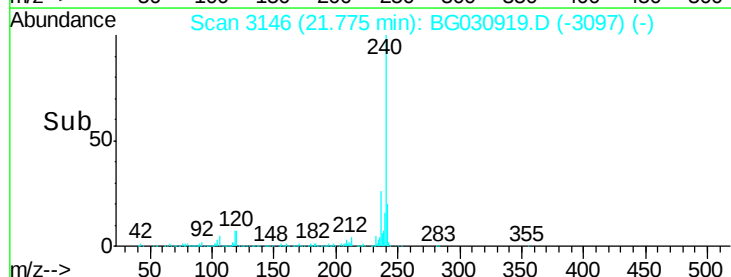
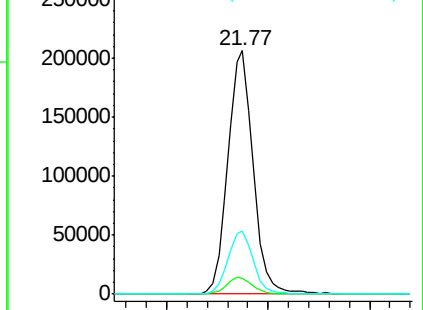
236 25.9 20.9 31.3

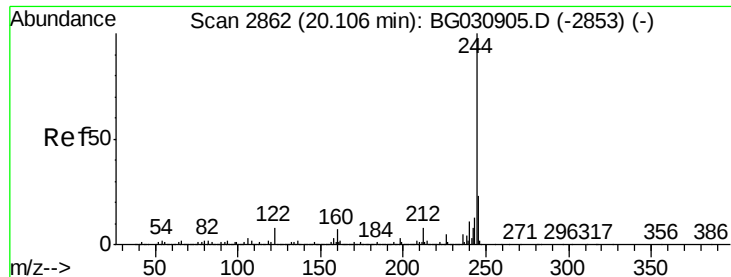


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 77.56 ng

RT: 20.09 min Scan# 2860

Delta R.T. -0.00 min

Lab File: BG030919.D

Acq: 10 Nov 2017 22:59

Instrument :

BNA\_G

ClientSampleId :

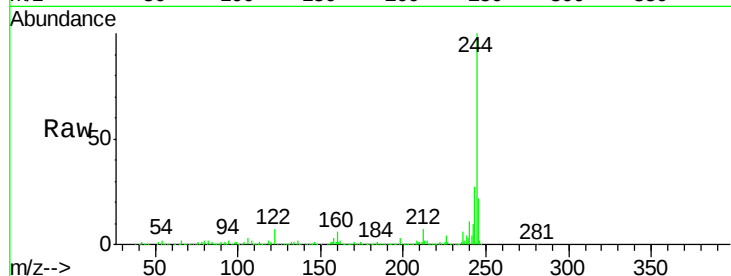
Tot Ion:244 Resp: 1247829

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

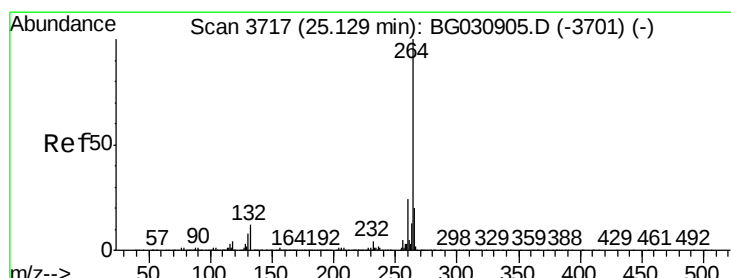
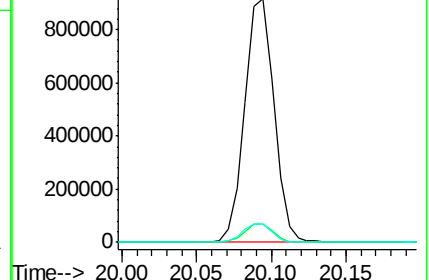
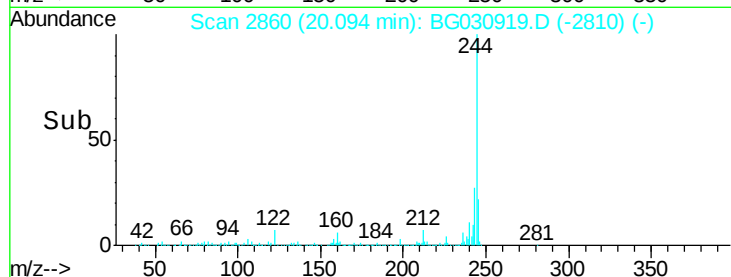
122 7.4 7.0 10.4



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: 25.08 min Scan# 3708

Delta R.T. -0.02 min

Lab File: BG030919.D

Acq: 10 Nov 2017 22:59

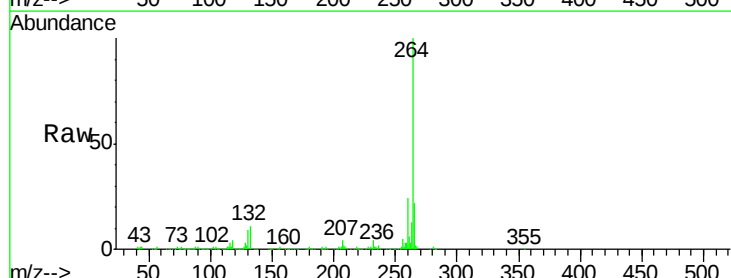
Tgt Ion:264 Resp: 357175

Ion Ratio Lower Upper

264 100

260 24.2 17.4 26.0

265 22.1 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

