

Data Path : Z:\HPCHEM1\BNA G\DATA\BG111017\  
 Data File : BG030920.D  
 Acq On : 10 Nov 2017 23:37  
 Operator : SJ/JU  
 Sample : PB104039BL  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Nov 11 05:04:42 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

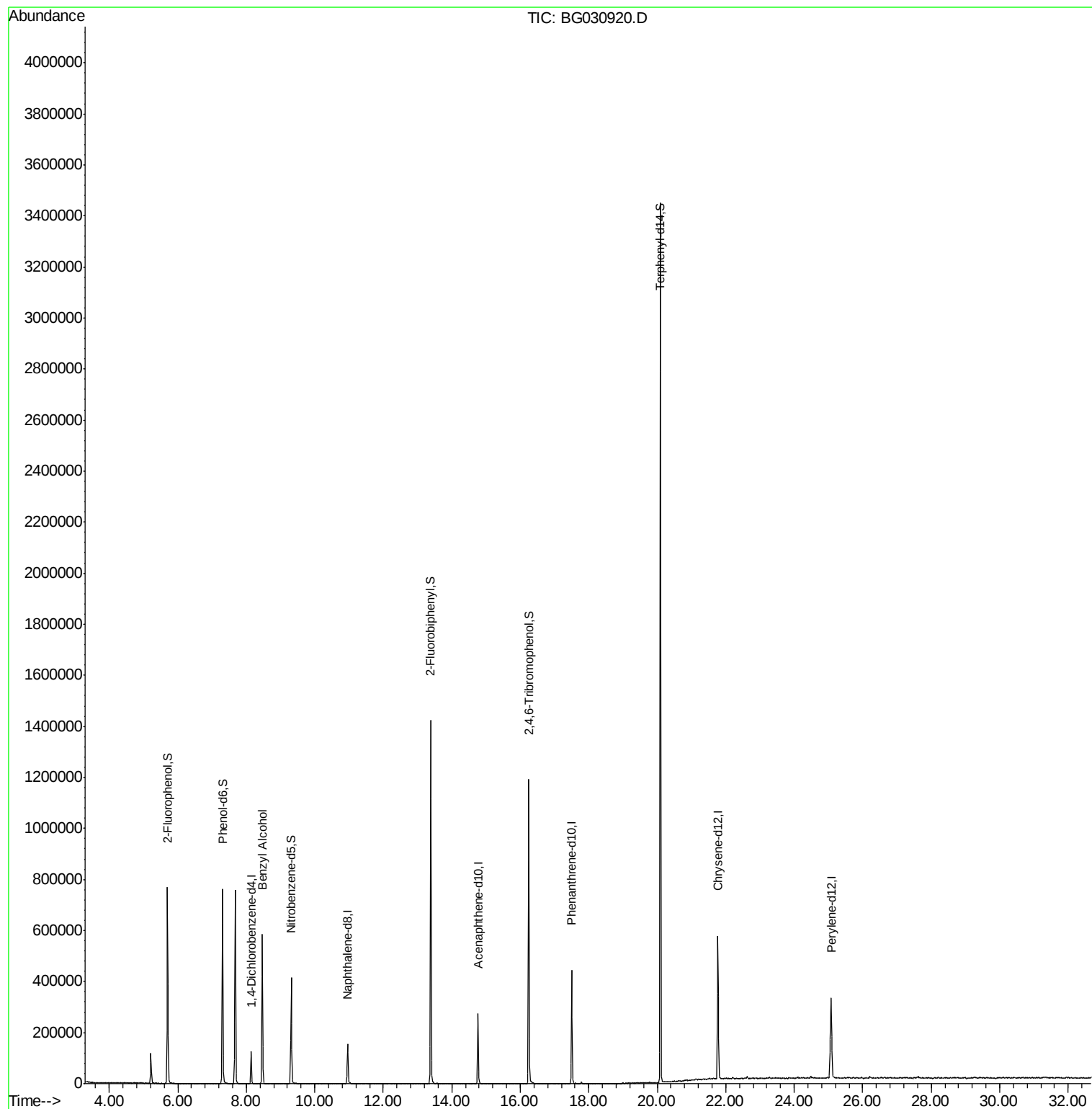
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.14  | 152  | 35653    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.96 | 136  | 157405   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.76 | 164  | 107866   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.50 | 188  | 299514   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.77 | 240  | 374336   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 25.07 | 264  | 369726   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.70  | 112  | 356215   | 171.32 | ng    | 0.00     |
| 7) Phenol-d6                | 7.31  | 99   | 457649   | 163.38 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.31  | 82   | 268584   | 101.11 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.25 | 330  | 275002   | 157.60 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.39 | 172  | 797606   | 106.25 | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.09 | 244  | 1644008  | 96.97  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 15) Benzyl Alcohol          | 8.47  | 79   | 4766     | 2.12   | ng    | # 35     |

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

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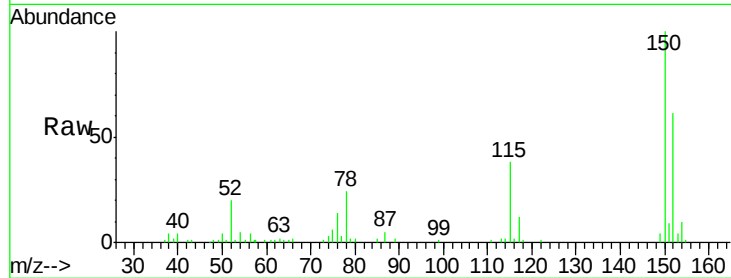


#1

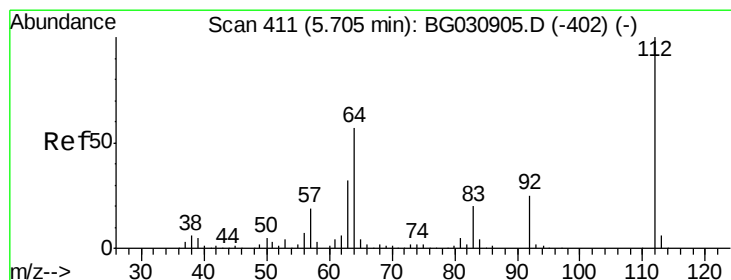
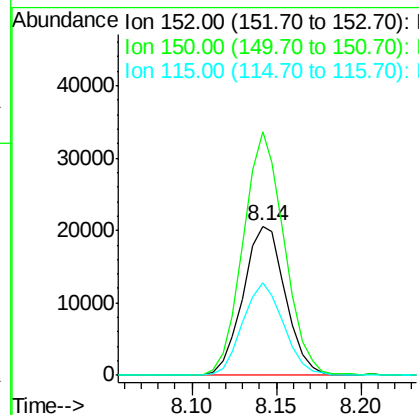
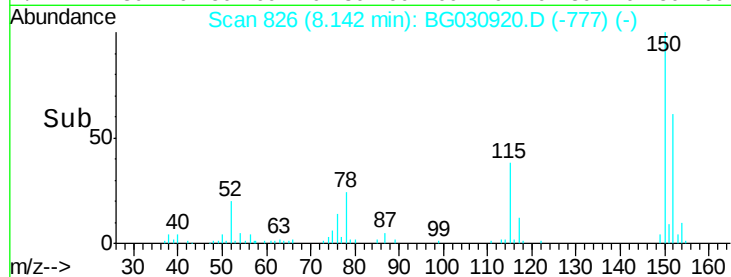
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.14 min Scan# 826  
Delta R.T. -0.01 min  
Lab File: BG030920.D  
Acq: 10 Nov 2017 23:37

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:152 Resp: 35653  
Ion Ratio Lower Upper  
152 100  
150 163.2 126.6 189.8  
115 61.7 53.0 79.4



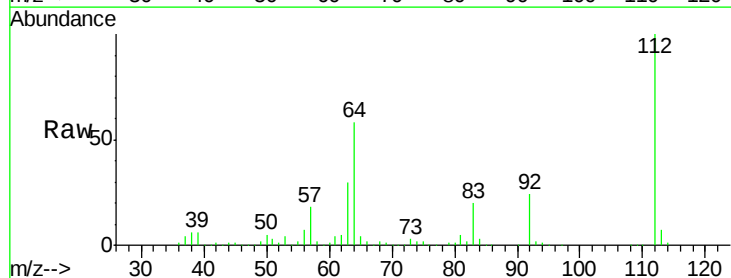
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



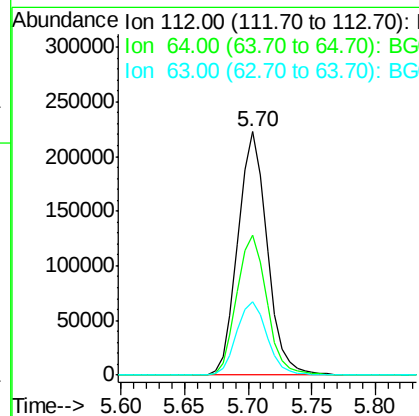
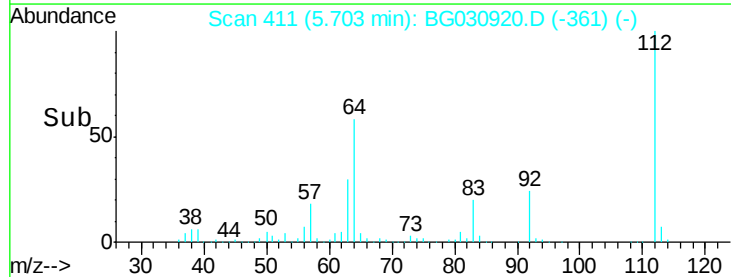
#5

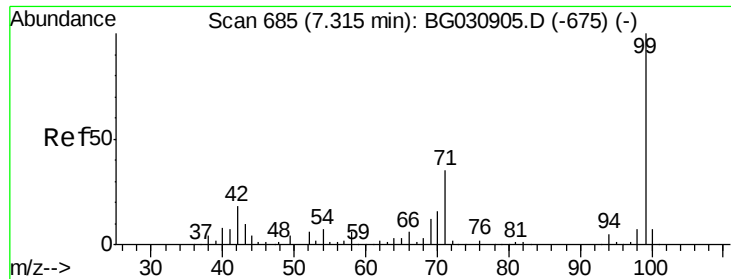
2-Fluorophenol  
Concen: 171.32 ng  
RT: 5.70 min Scan# 411  
Delta R.T. -0.00 min  
Lab File: BG030920.D  
Acq: 10 Nov 2017 23:37

Tgt Ion:112 Resp: 356215  
Ion Ratio Lower Upper  
112 100  
64 57.6 56.3 84.5  
63 30.0 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: 163.38 ng

RT: 7.31 min Scan# 684

Delta R.T. 0.00 min

Lab File: BG030920.D

Acq: 10 Nov 2017 23:37

Instrument :

BNA\_G

ClientSampleId :

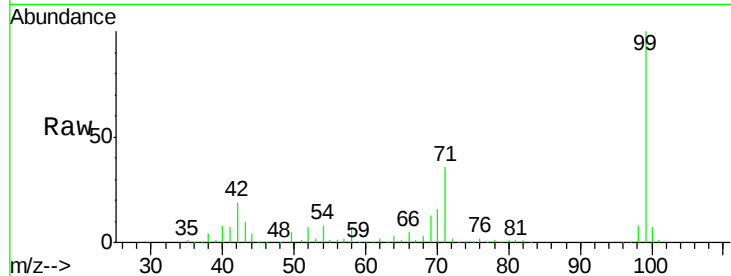
Tot Ion: 99 Resp: 457649

Ion Ratio Lower Upper

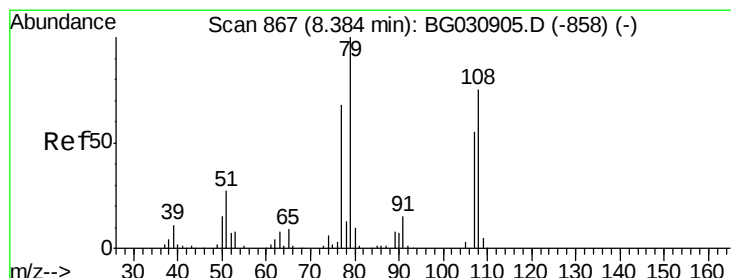
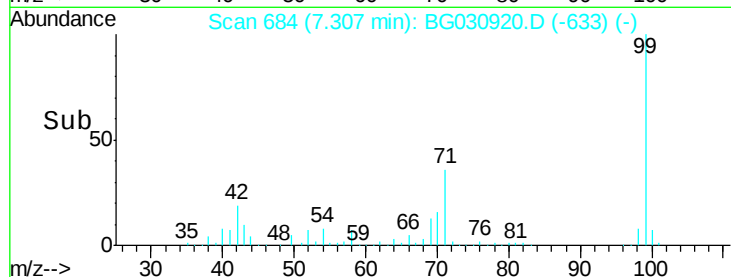
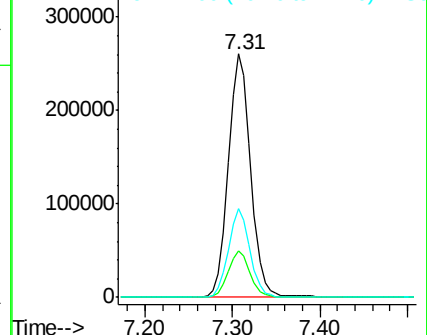
99 100

42 19.2 14.1 21.1

71 36.5 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



#15

Benzyl Alcohol

Concen: 2.12 ng

RT: 8.47 min Scan# 882

Delta R.T. 0.08 min

Lab File: BG030920.D

Acq: 10 Nov 2017 23:37

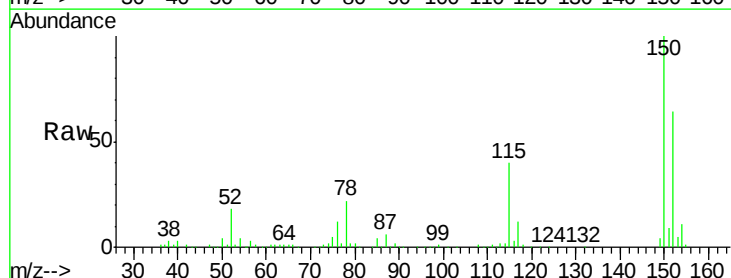
Tgt Ion: 79 Resp: 4766

Ion Ratio Lower Upper

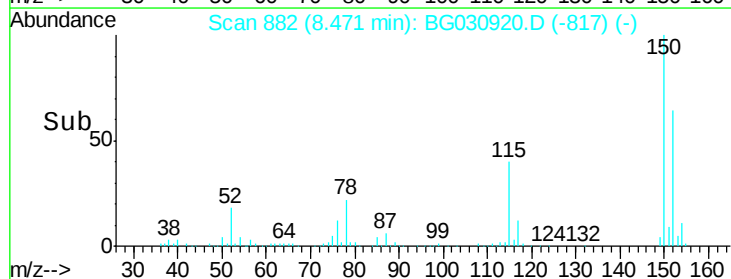
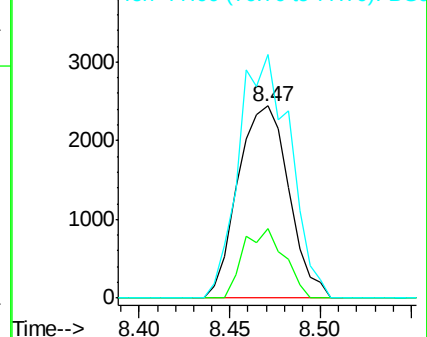
79 100

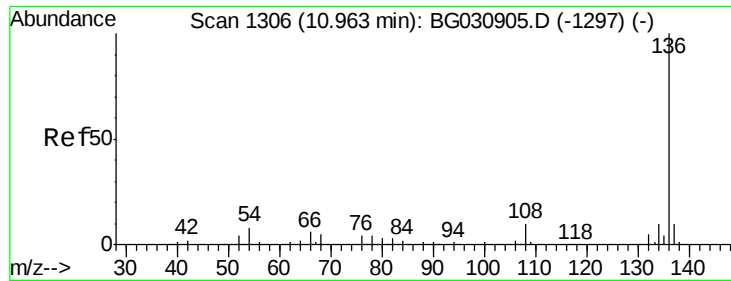
108 36.5 57.2 85.8#

77 126.9 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 108.00 (107.70 to 108.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC

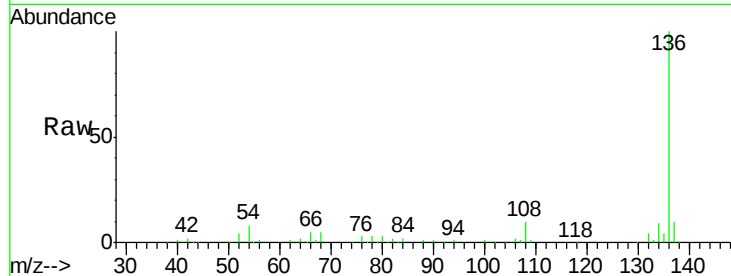




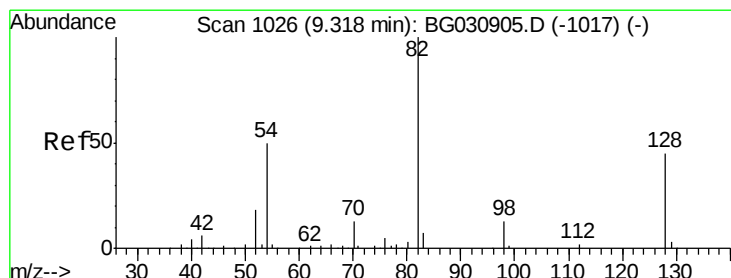
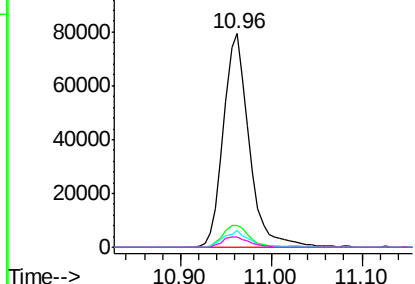
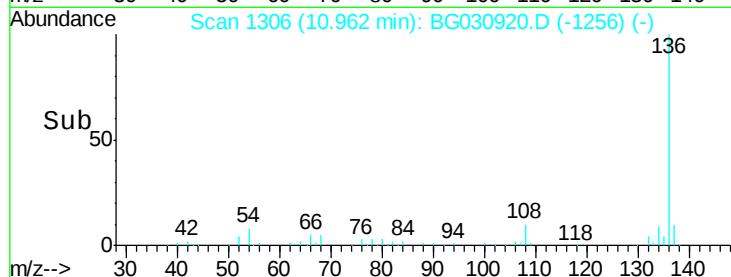
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.96 min Scan# 1306  
Delta R.T. -0.01 min  
Lab File: BG030920.D  
Acq: 10 Nov 2017 23:37

Instrument :  
BNA\_G  
ClientSampleId :

|             |       |            |
|-------------|-------|------------|
| Tot Ion:136 | Resp: | 157405     |
| Ion Ratio   | Lower | Upper      |
| 136         | 100   |            |
| 137         | 10.2  | 9.2 13.8   |
| 54          | 7.8   | 10.3 15.5# |
| 68          | 4.7   | 4.5 6.7    |

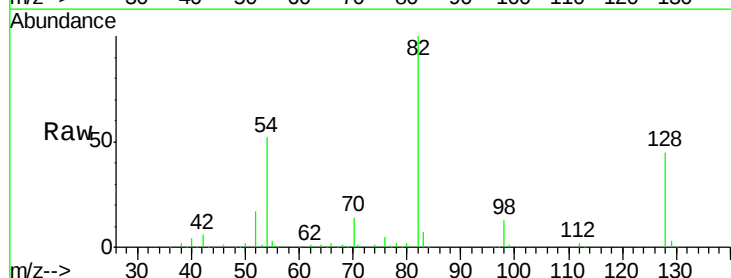


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

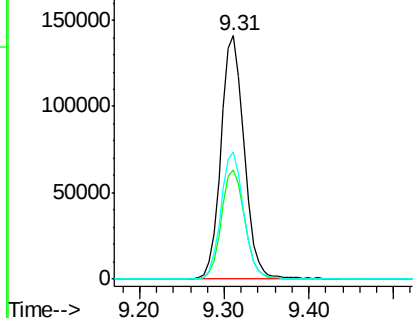
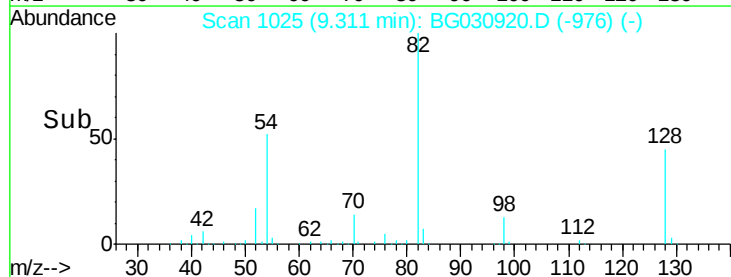


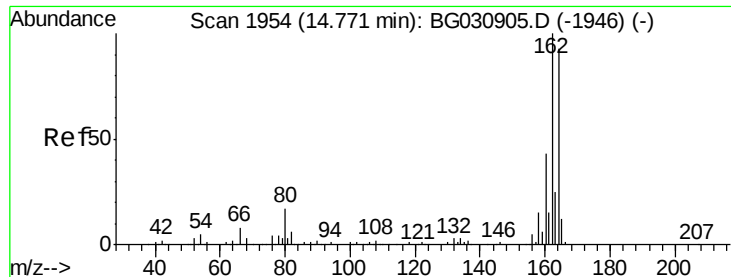
#23  
Nitrobenzene-d5  
Concen: 101.11 ng  
RT: 9.31 min Scan# 1025  
Delta R.T. -0.01 min  
Lab File: BG030920.D  
Acq: 10 Nov 2017 23:37

|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 82 | Resp: | 268584     |
| Ion Ratio   | Lower | Upper      |
| 82          | 100   |            |
| 128         | 45.1  | 29.7 44.5# |
| 54          | 52.0  | 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: BG030920.D

Acq: 10 Nov 2017 23:37

Instrument :

BNA\_G

ClientSampleId :

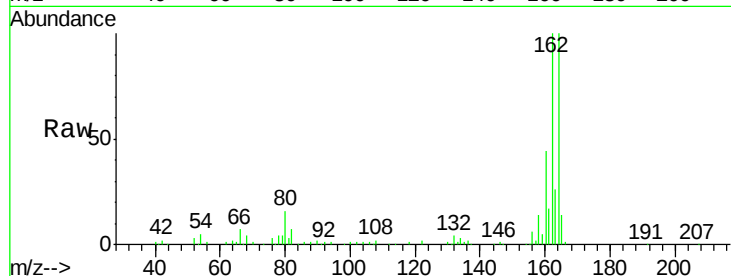
Tot Ion:164 Resp: 107866

Ion Ratio Lower Upper

164 100

162 99.8 78.8 118.2

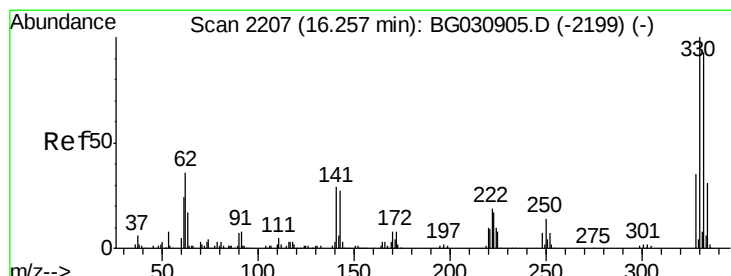
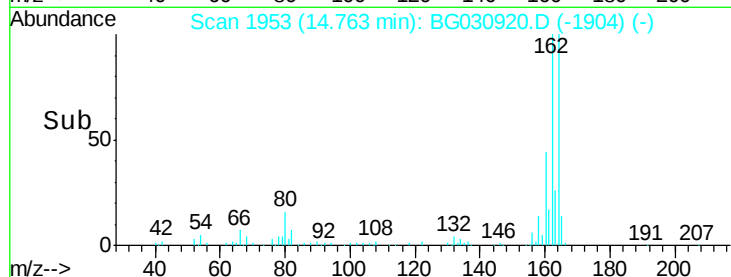
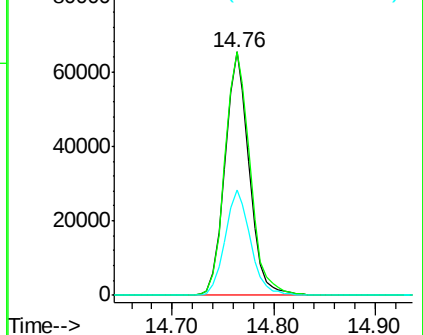
160 43.5 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 157.60 ng

RT: 16.25 min Scan# 2206

Delta R.T. -0.01 min

Lab File: BG030920.D

Acq: 10 Nov 2017 23:37

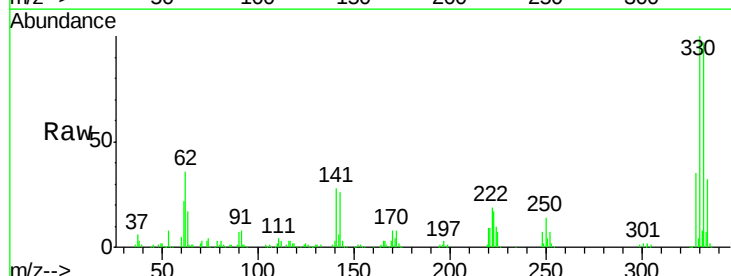
Tgt Ion:330 Resp: 275002

Ion Ratio Lower Upper

330 100

332 97.2 77.0 115.6

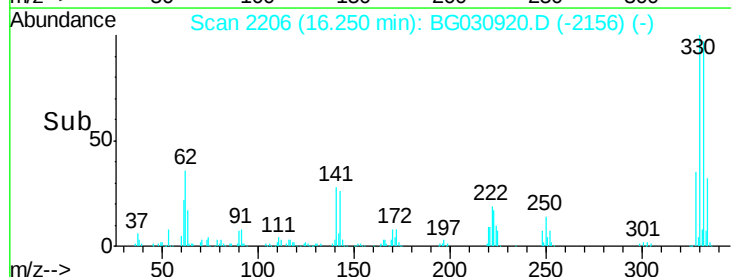
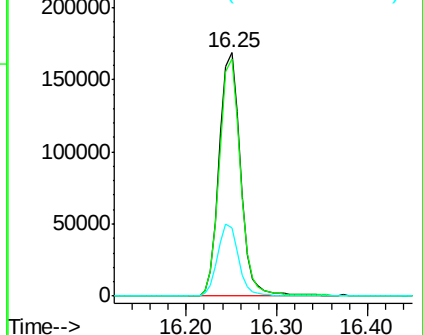
141 29.4 25.2 37.8

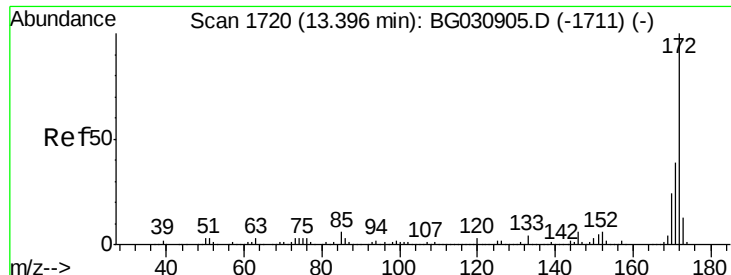


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

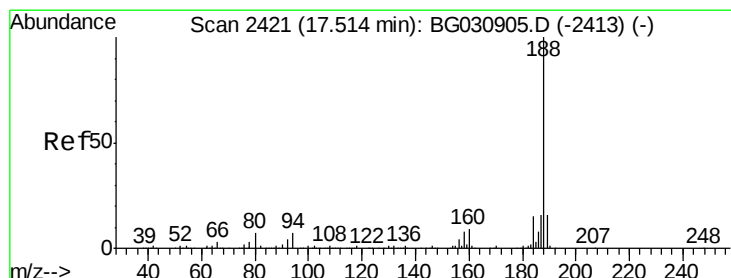
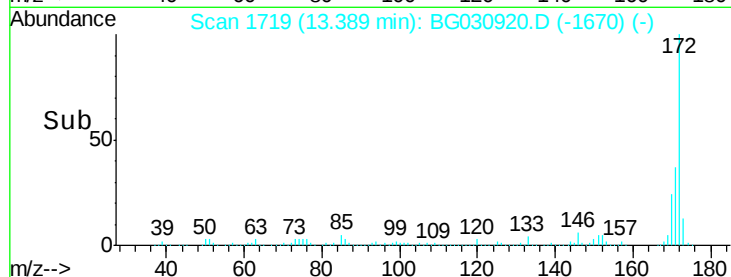
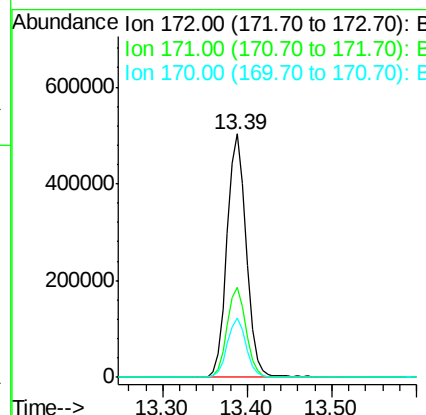
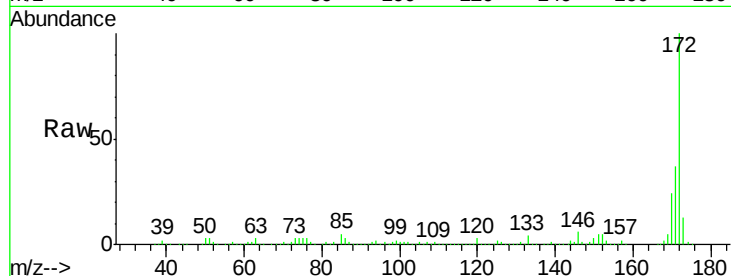




#44  
 2-Fluorobiphenyl  
 Concen: 106.25 ng  
 RT: 13.39 min Scan# 1719  
 Delta R.T. -0.01 min  
 Lab File: BG030920.D  
 Acq: 10 Nov 2017 23:37

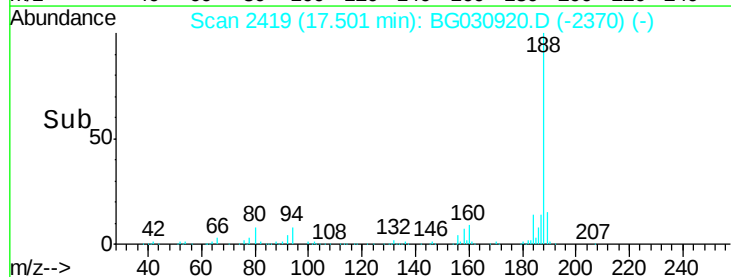
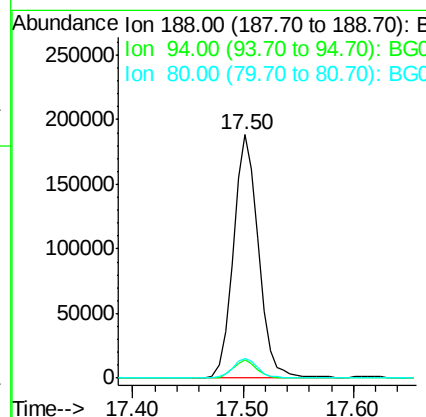
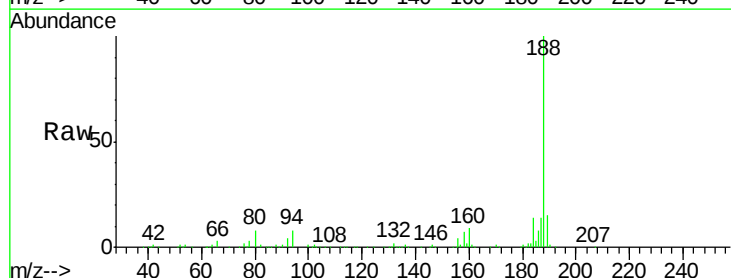
Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.8  | 30.0  | 45.0  |
| 170     | 24.4  | 19.5  | 29.3  |



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.50 min Scan# 2419  
 Delta R.T. -0.01 min  
 Lab File: BG030920.D  
 Acq: 10 Nov 2017 23:37

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.7   | 6.9   | 10.3  |
| 80      | 7.9   | 7.7   | 11.5  |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.77 min Scan# 3146

Delta R.T. -0.01 min

Lab File: BG030920.D

Acq: 10 Nov 2017 23:37

Instrument :

BNA\_G

ClientSampleId :

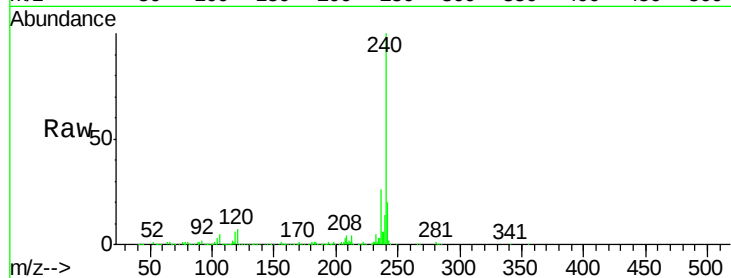
Tot Ion:240 Resp: 374336

Ion Ratio Lower Upper

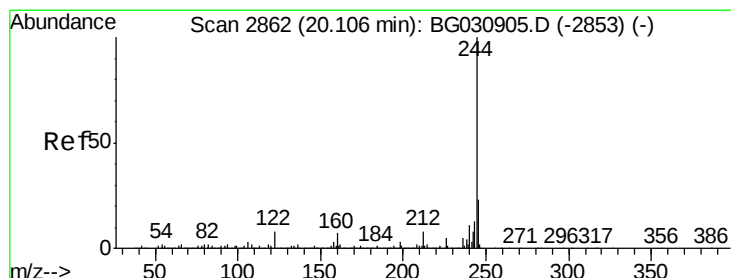
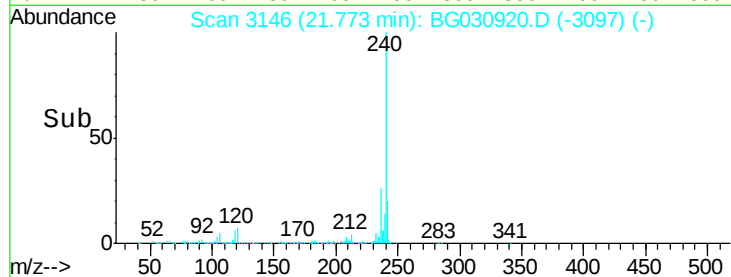
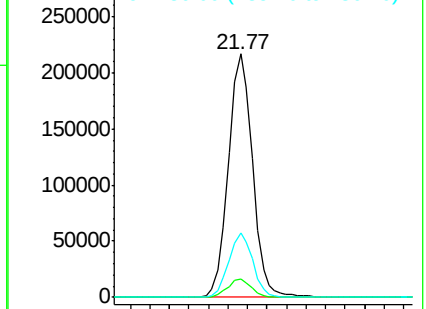
240 100

120 7.3 6.8 10.2

236 26.3 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: 96.97 ng

RT: 20.09 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BG030920.D

Acq: 10 Nov 2017 23:37

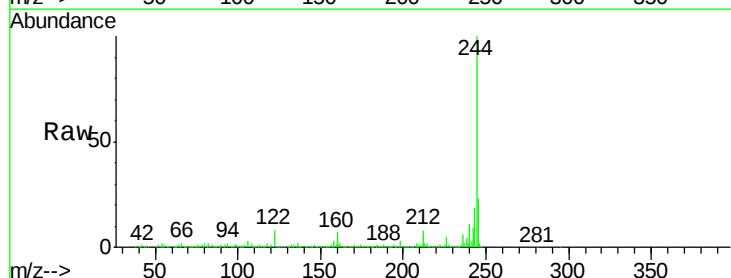
Tgt Ion:244 Resp: 1644008

Ion Ratio Lower Upper

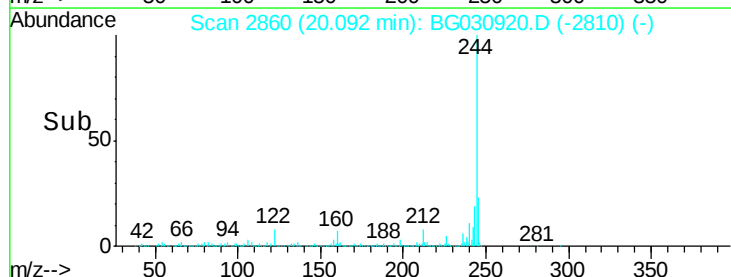
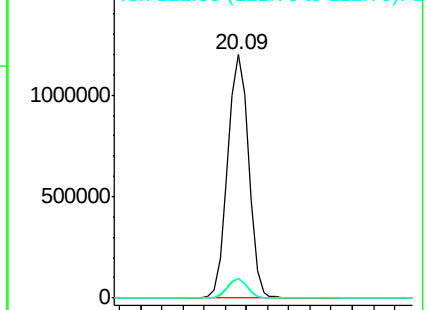
244 100

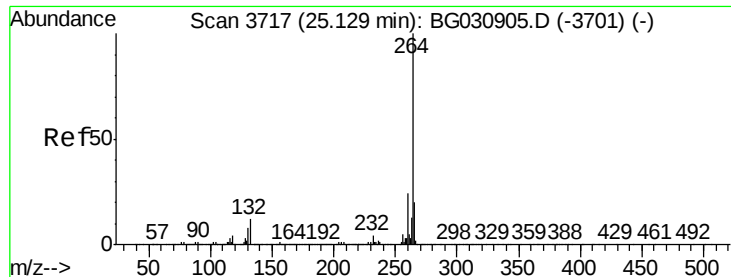
212 7.9 5.8 8.8

122 8.2 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

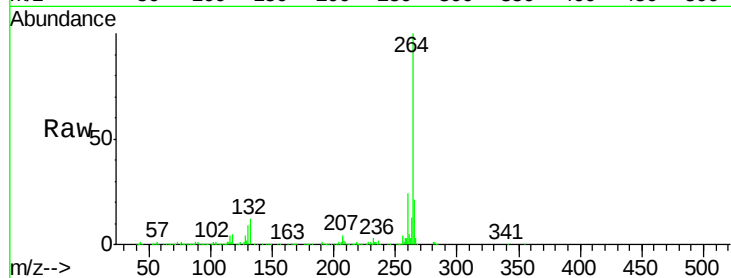




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 25.07 min Scan# 3708  
Delta R.T. -0.02 min  
Lab File: BG030920.D  
Acq: 10 Nov 2017 23:37

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 17.4  | 26.0  |
| 265     | 21.4  | 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

