

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG111218\  
 Data File : BG037965.D  
 Acq On : 13 Nov 2018 4:38  
 Operator : JU/SJ  
 Sample : J5894-10  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 COMP-891011

Quant Time: Nov 13 06:53:47 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 18 14:06:42 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.09  | 152  | 52166    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.91 | 136  | 232724   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.72 | 164  | 153312   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.47 | 188  | 332412   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.76 | 240  | 279665   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 25.09 | 264  | 198502   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.64  | 112  | 343410   | 110.06 | ng    | -0.01    |
| 7) Phenol-d6                | 7.24  | 99   | 450560   | 95.49  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.27  | 82   | 351797   | 84.68  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 16.21 | 330  | 144150   | 86.21  | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 13.34 | 172  | 826724   | 81.31  | ng    | -0.02    |
| 79) Terphenyl-d14           | 20.07 | 244  | 1186132  | 90.63  | ng    | -0.02    |

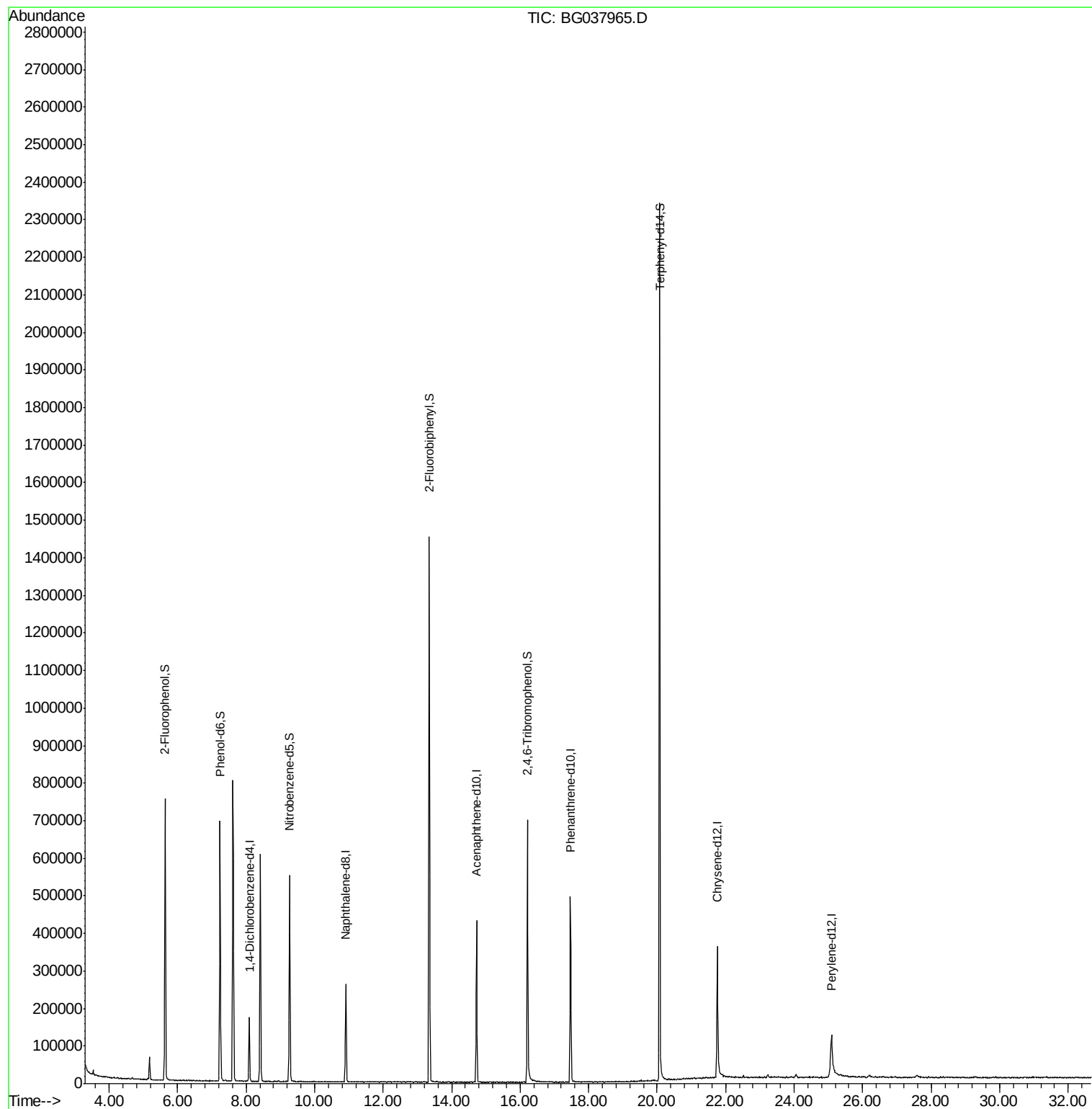
Target Compounds Qvalue

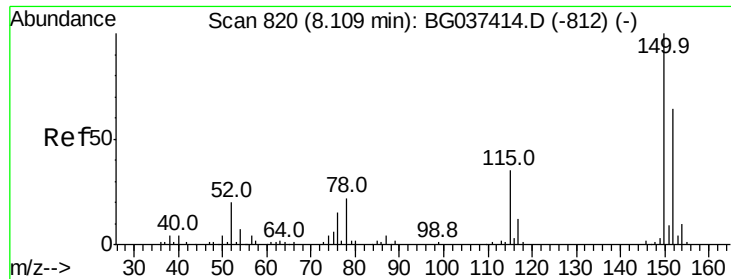
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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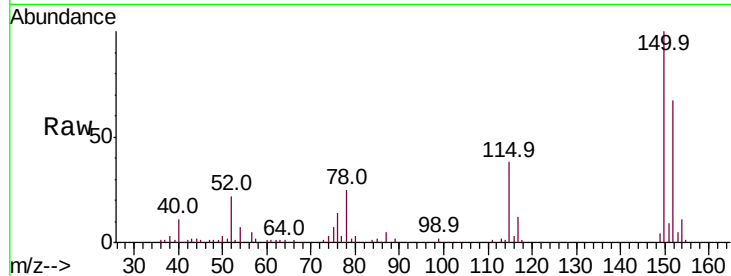


#1

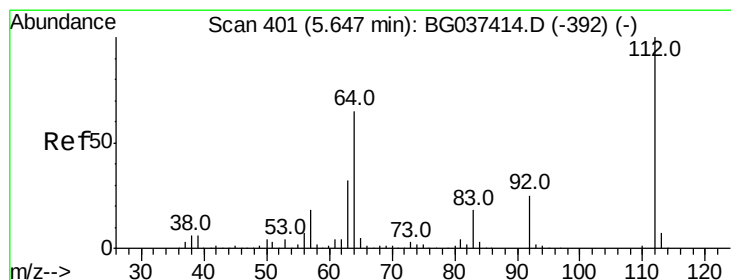
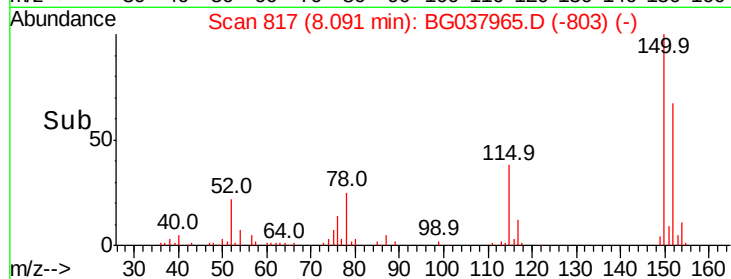
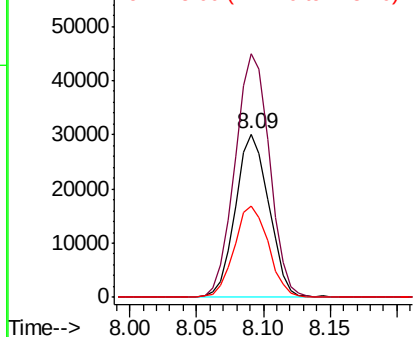
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.09 min Scan# 817  
Delta R.T. -0.02 min  
Lab File: BG037965.D  
Acq: 13 Nov 2018 4:38

Instrument :  
BNA\_G  
ClientSampleId :  
COMP-891011

Tot Ion:152 Resp: 52166  
Ion Ratio Lower Upper  
152 100  
150 149.4 126.0 189.0  
115 56.0 45.5 68.3



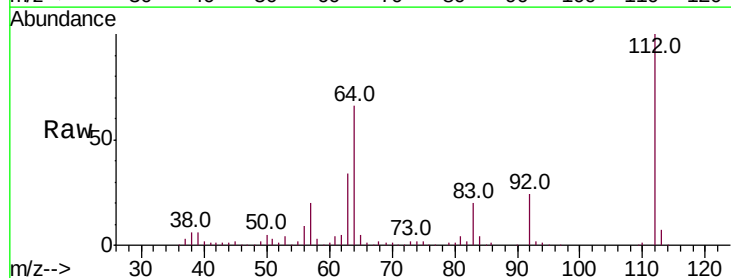
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



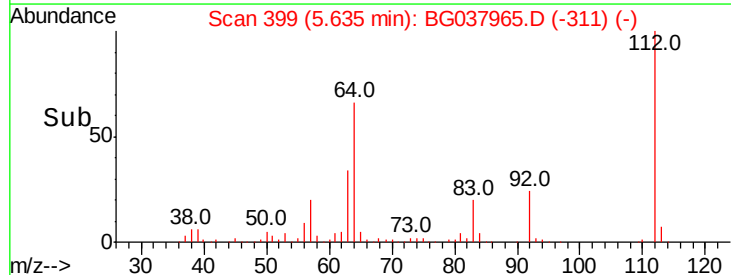
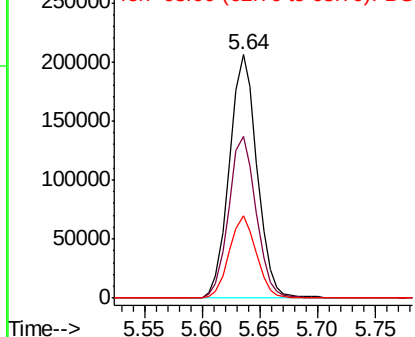
#5

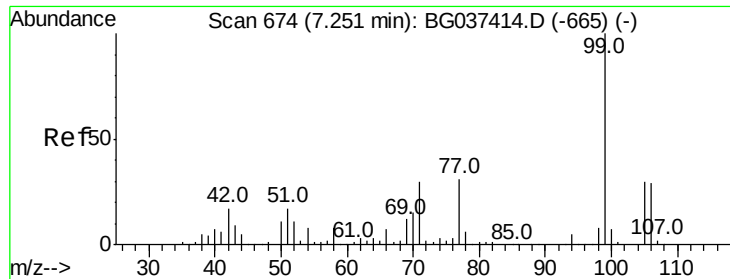
2-Fluorophenol  
Concen: 110.058 ng  
RT: 5.64 min Scan# 399  
Delta R.T. -0.01 min  
Lab File: BG037965.D  
Acq: 13 Nov 2018 4:38

Tgt Ion:112 Resp: 343410  
Ion Ratio Lower Upper  
112 100  
64 66.4 53.1 79.7  
63 33.7 27.3 40.9



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: 95.494 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.01 min

Lab File: BG037965.D

Acq: 13 Nov 2018 4:38

Instrument :

BNA\_G

ClientSampleId :

COMP-891011

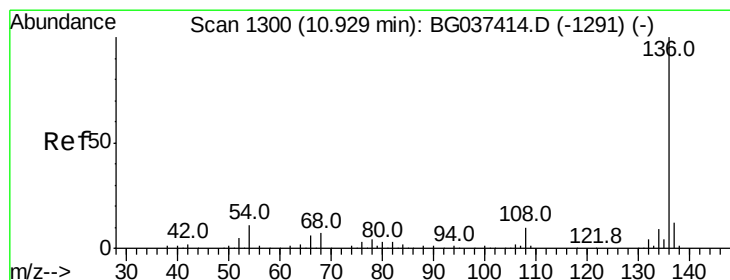
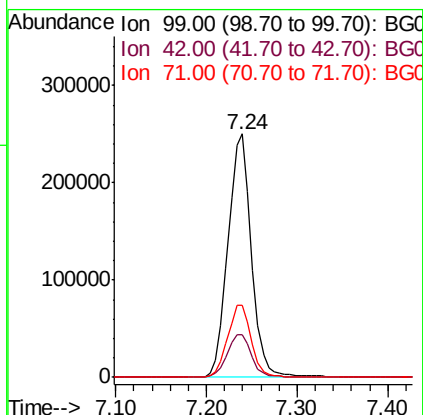
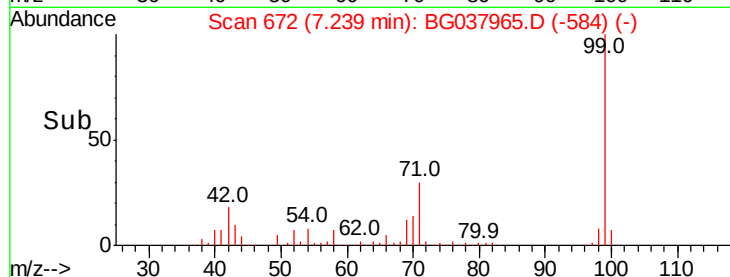
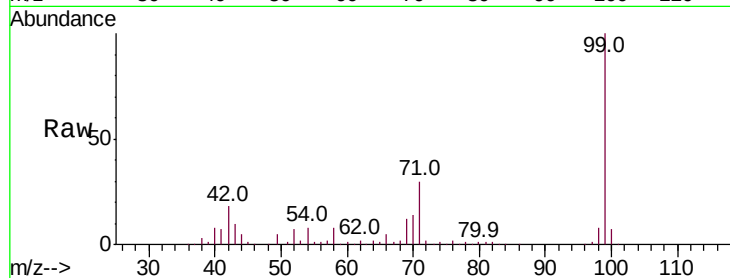
Tot Ion: 99 Resp: 450560

Ion Ratio Lower Upper

99 100

42 17.5 15.0 22.4

71 29.7 25.5 38.3



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.91 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BG037965.D

Acq: 13 Nov 2018 4:38

Tgt Ion: 136 Resp: 232724

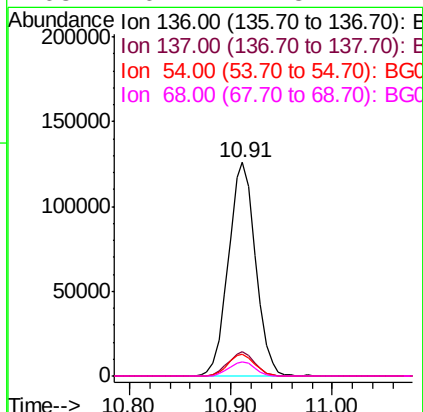
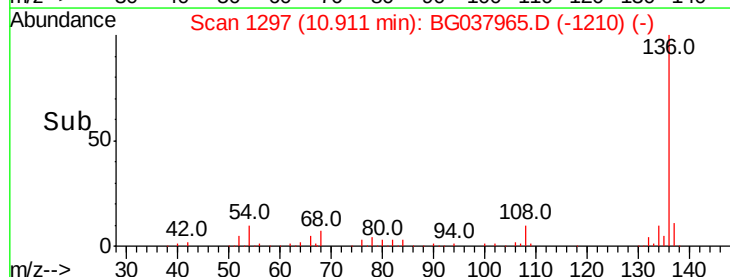
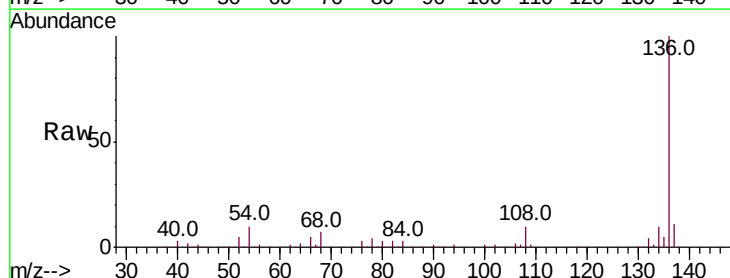
Ion Ratio Lower Upper

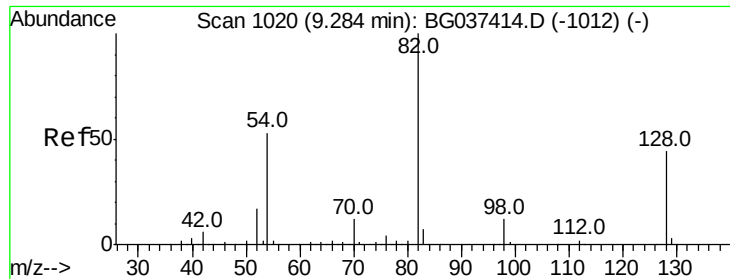
136 100

137 11.2 9.6 14.4

54 10.4 7.9 11.9

68 6.7 4.8 7.2

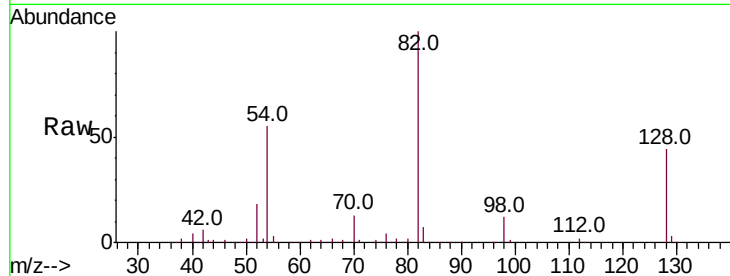




#23  
Nitrobenzene-d5  
Concen: 84.681 ng  
RT: 9.27 min Scan# 1017  
Delta R.T. -0.02 min  
Lab File: BG037965.D  
Acq: 13 Nov 2018 4:38

Instrument :  
BNA\_G  
ClientSampleId :  
COMP-891011

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 44.0  | 34.6  | 51.8  |
| 54      | 55.0  | 45.3  | 67.9  |

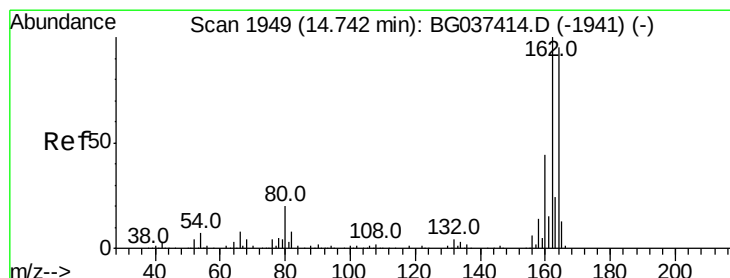
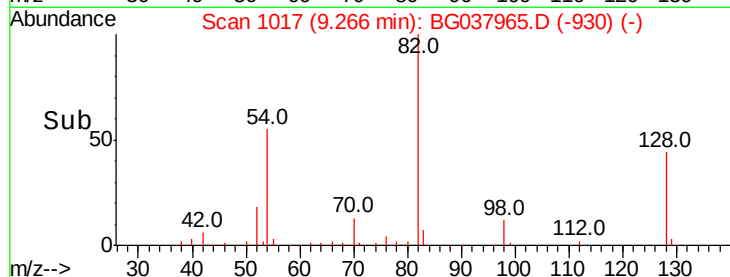
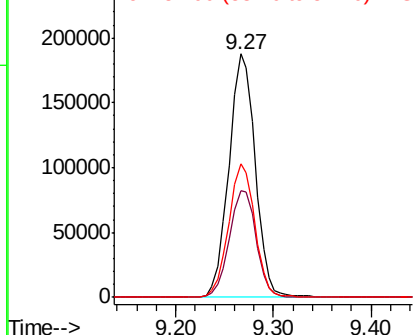


Abundance

Ion 82.00 (81.70 to 82.70): BGC

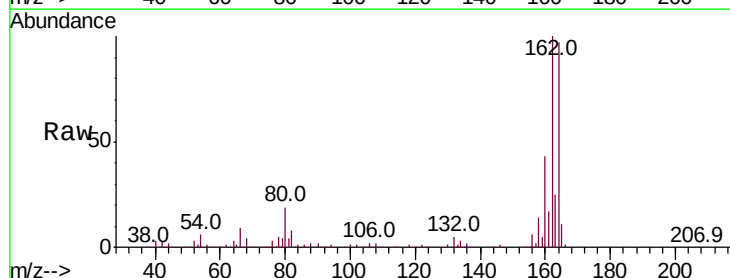
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.72 min Scan# 1946  
Delta R.T. -0.02 min  
Lab File: BG037965.D  
Acq: 13 Nov 2018 4:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.9 | 81.3  | 121.9 |
| 160     | 44.7  | 36.3  | 54.5  |

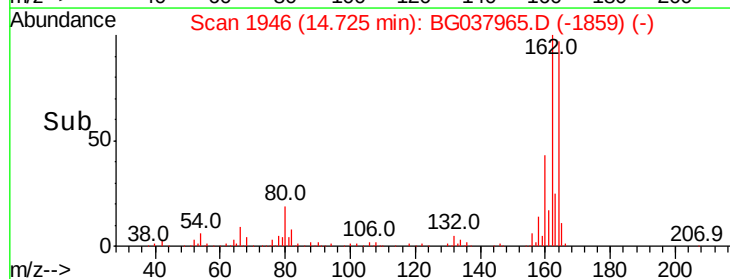
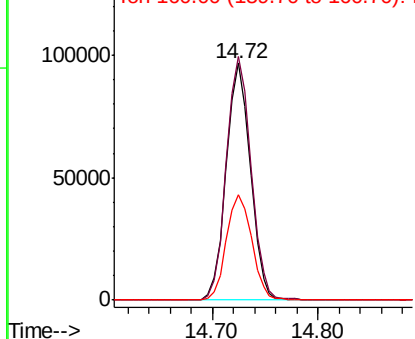


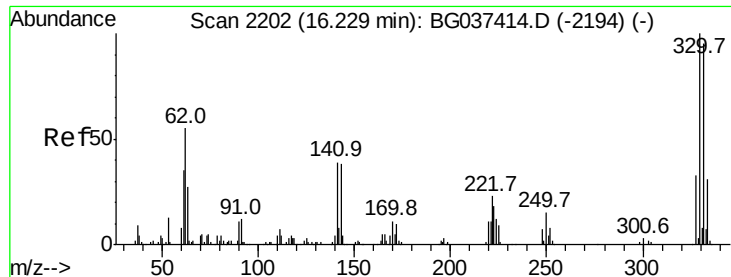
Abundance

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

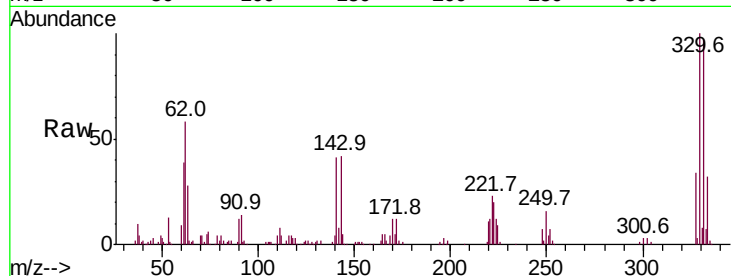




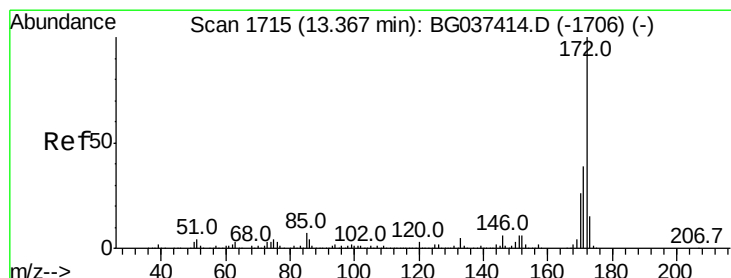
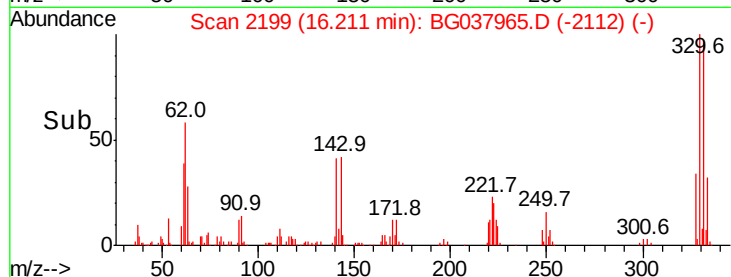
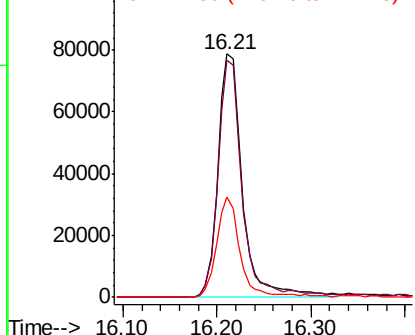
#42  
 2,4,6-Tribromophenol  
 Concen: 86.206 ng  
 RT: 16.21 min Scan# 2199  
 Delta R.T. -0.02 min  
 Lab File: BG037965.D  
 Acq: 13 Nov 2018 4:38

Instrument :  
 BNA\_G  
 ClientSampleId :  
 COMP-891011

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.5  | 78.4  | 117.6 |
| 141     | 39.8  | 32.2  | 48.2  |

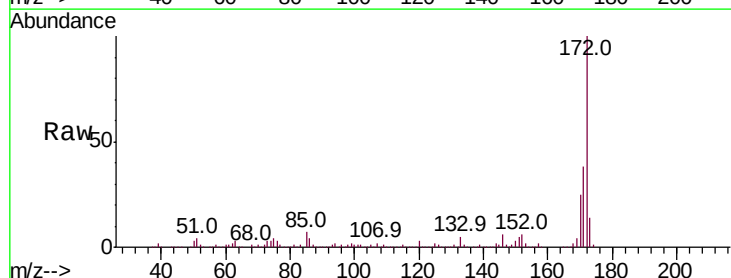


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

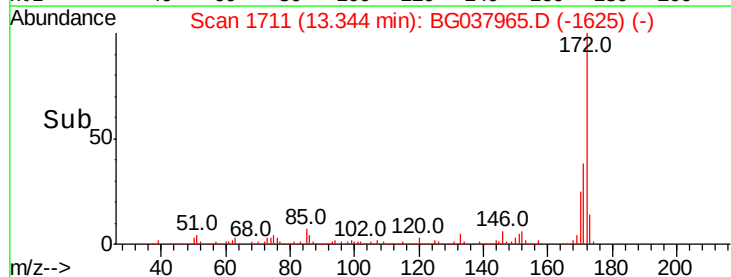
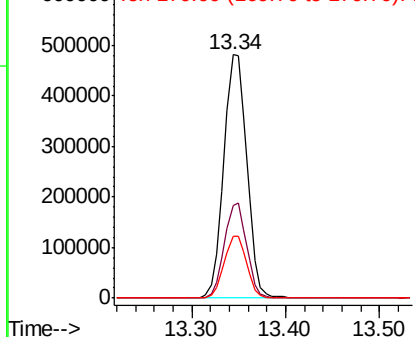


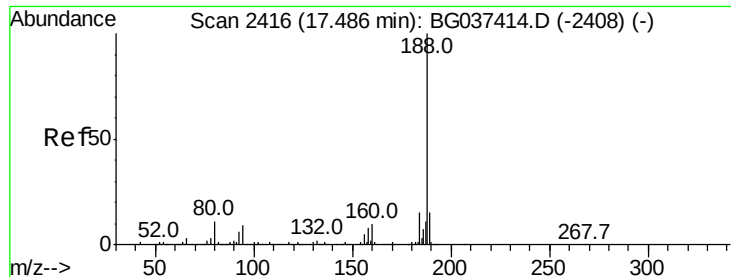
#45  
 2-Fluorobiphenyl  
 Concen: 81.315 ng  
 RT: 13.34 min Scan# 1711  
 Delta R.T. -0.02 min  
 Lab File: BG037965.D  
 Acq: 13 Nov 2018 4:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.1  | 31.0  | 46.4  |
| 170     | 25.2  | 20.2  | 30.2  |



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

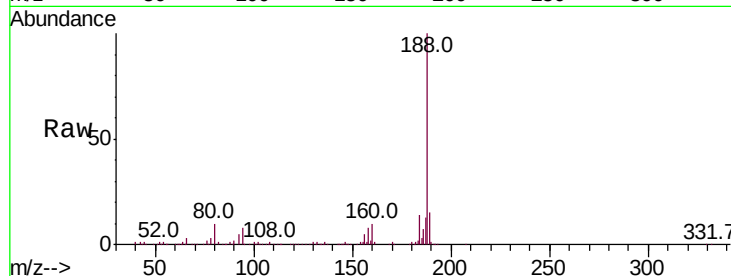




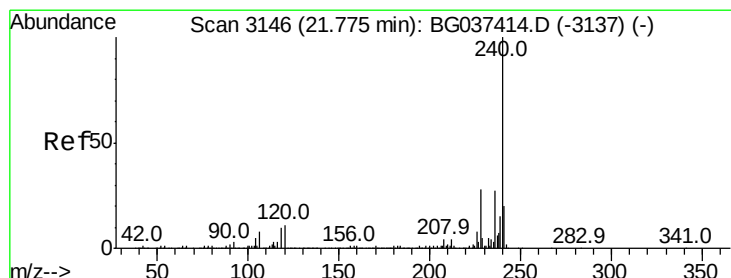
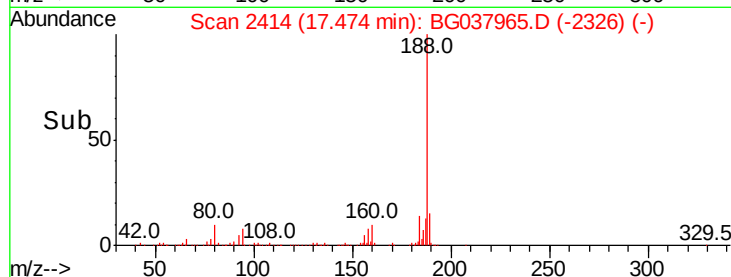
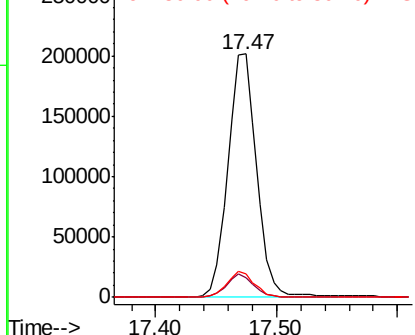
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.47 min Scan# 2414  
Delta R.T. -0.01 min  
Lab File: BG037965.D  
Acq: 13 Nov 2018 4:38

Instrument :  
BNA\_G  
ClientSampleId :  
COMP-891011

Tot Ion:188 Resp: 332412  
Ion Ratio Lower Upper  
188 100  
94 7.9 7.2 10.8  
80 9.8 7.7 11.5

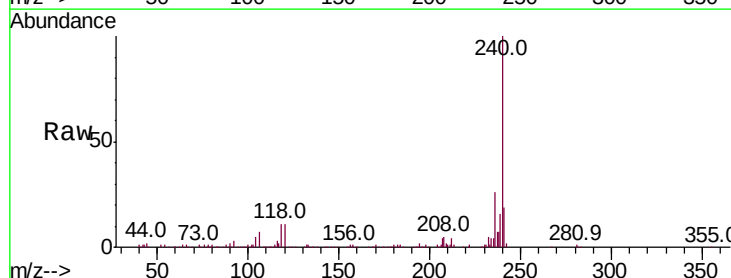


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

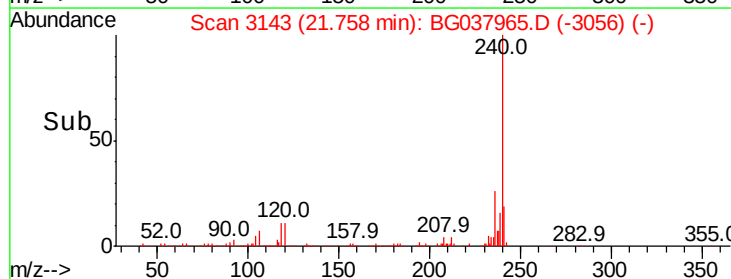
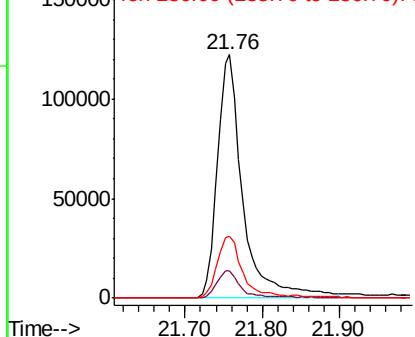


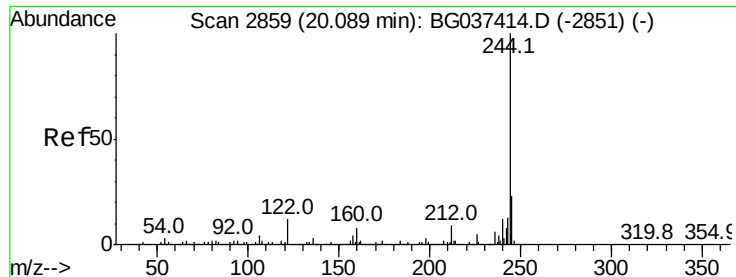
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.76 min Scan# 3143  
Delta R.T. -0.02 min  
Lab File: BG037965.D  
Acq: 13 Nov 2018 4:38

Tgt Ion:240 Resp: 279665  
Ion Ratio Lower Upper  
240 100  
120 11.2 8.1 12.1  
236 25.6 21.4 32.0



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





#79

Terphenyl-d14

Concen: 90.626 ng

RT: 20.07 min Scan# 2856

Delta R.T. -0.02 min

Lab File: BG037965.D

Acq: 13 Nov 2018 4:38

Instrument :

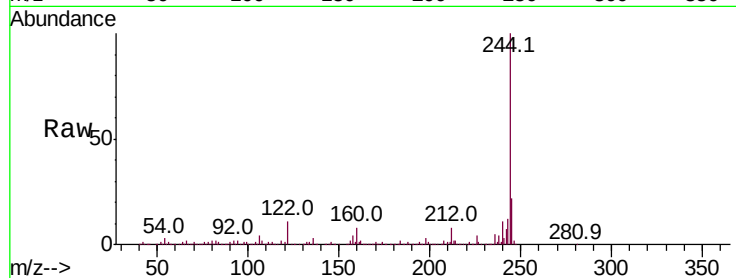
BNA\_G

ClientSampleId :

COMP-891011

Tot Ion:244 Resp: 1186132

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.4   | 6.5   | 9.7   |
| 122 | 11.0  | 9.0   | 13.4  |

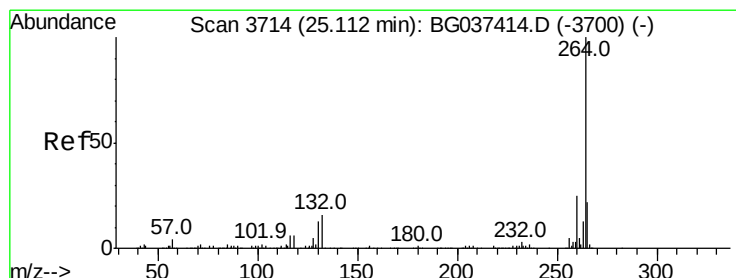
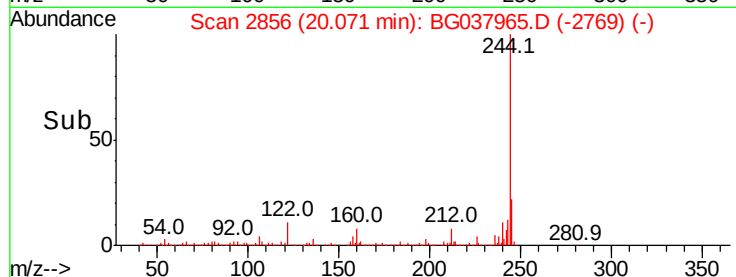
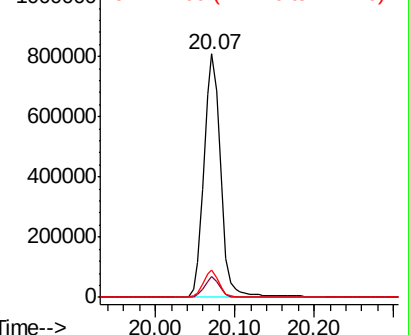


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.09 min Scan# 3710

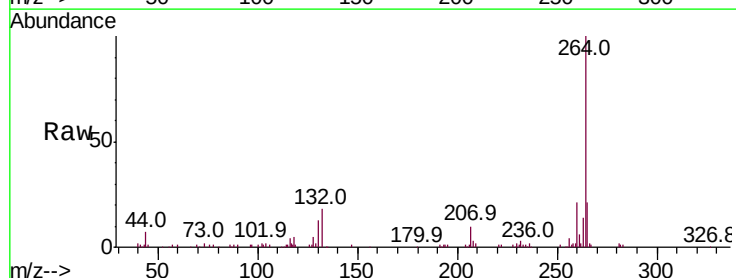
Delta R.T. -0.02 min

Lab File: BG037965.D

Acq: 13 Nov 2018 4:38

Tgt Ion:264 Resp: 198502

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 21.3  | 18.2  | 27.4  |
| 265 | 20.6  | 17.9  | 26.9  |



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

