

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110918\  
 Data File : BG037930.D  
 Acq On : 9 Nov 2018 21:15  
 Operator : JU/SJ  
 Sample : J5884-04  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-3-S

Quant Time: Nov 12 07:08:05 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  | 46139    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.91 | 136  | 212160   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.73 | 164  | 143321   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.47 | 188  | 315891   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.76 | 240  | 268029   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 25.09 | 264  | 197815   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.64  | 112  | 308041   | 111.62 | ng    | 0.00     |
| 7) Phenol-d6                | 7.24  | 99   | 410658   | 98.41  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.27  | 82   | 314479   | 83.04  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.21 | 330  | 153720   | 98.34  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.35 | 172  | 724892   | 76.27  | ng    | -0.02    |
| 79) Terphenyl-d14           | 20.07 | 244  | 1134469  | 90.44  | ng    | -0.01    |

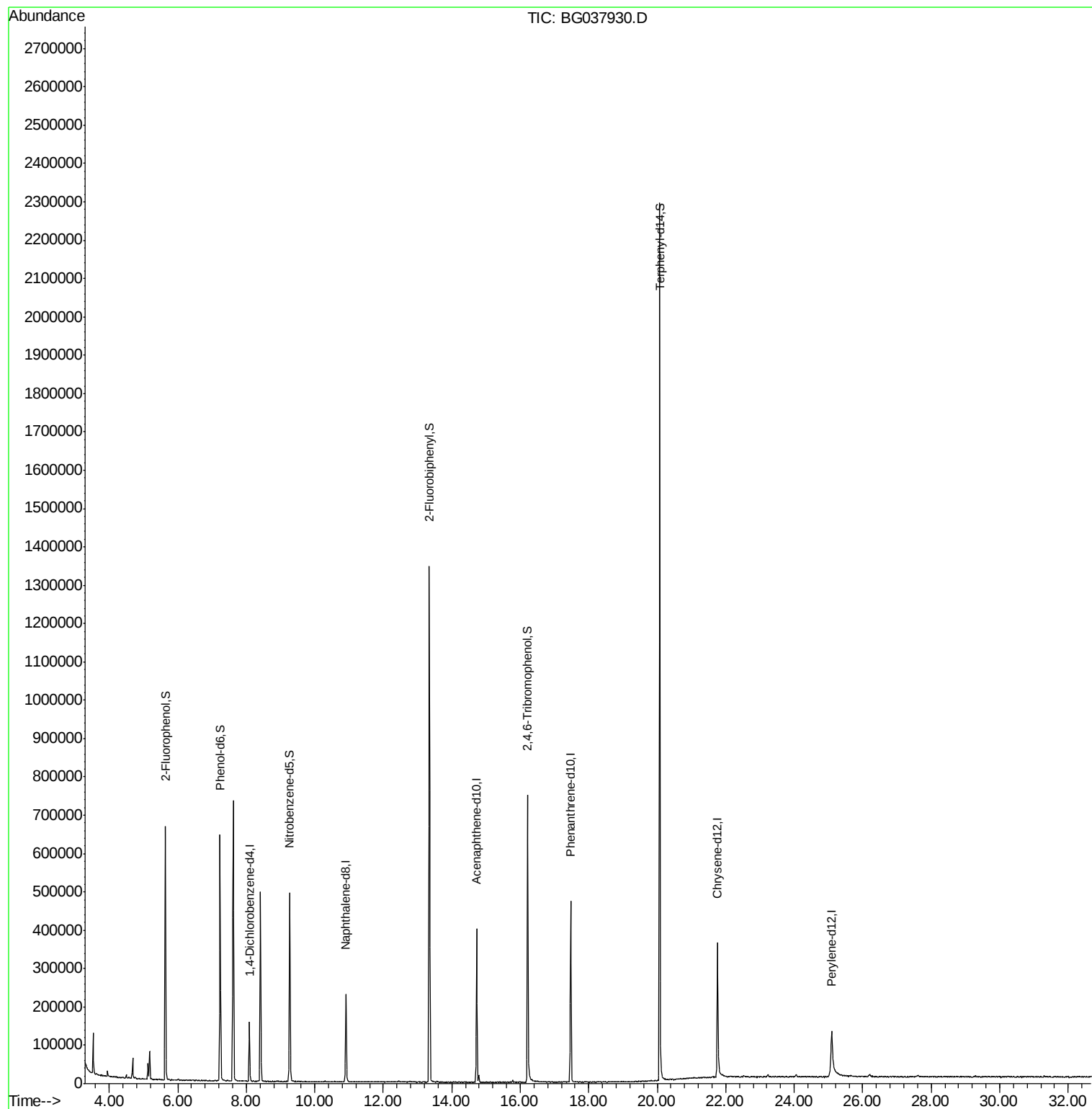
Target Compounds Qvalue

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

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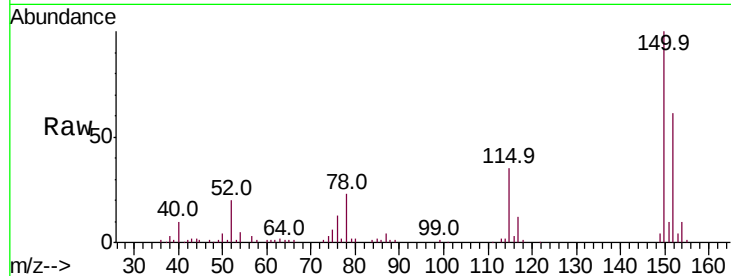


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.09 min Scan# 818  
Delta R.T. -0.01 min  
Lab File: BG037930.D  
Acq: 9 Nov 2018 21:15

Instrument :  
BNA\_G  
ClientSampleId :  
TP-3-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 164.5 | 126.0 | 189.0 |
| 115     | 57.4  | 45.5  | 68.3  |

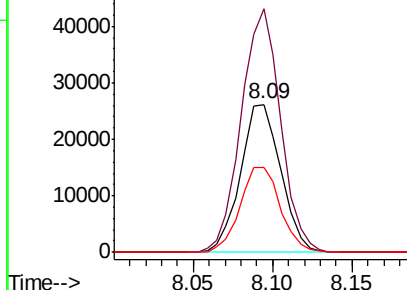
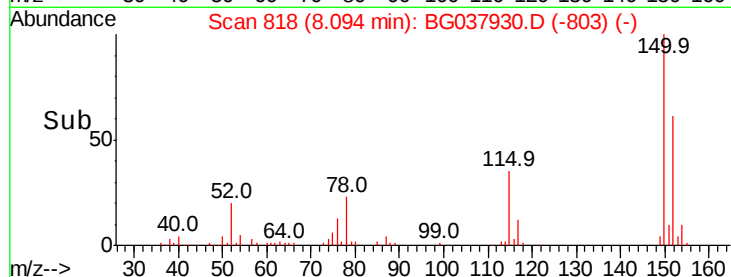


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

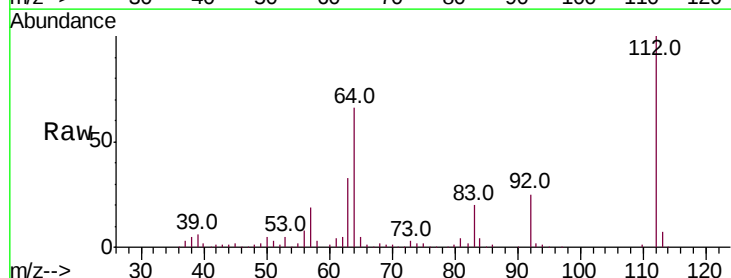
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 111.619 ng  
RT: 5.64 min Scan# 400  
Delta R.T. -0.01 min  
Lab File: BG037930.D  
Acq: 9 Nov 2018 21:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 66.1  | 53.1  | 79.7  |
| 63      | 33.0  | 27.3  | 40.9  |

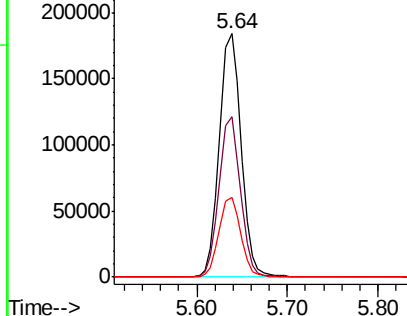
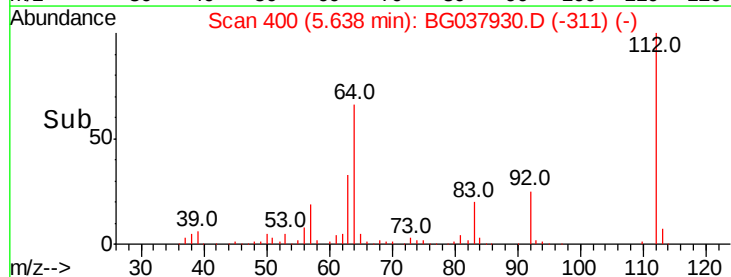


Abundance

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: 98.406 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.01 min

Lab File: BG037930.D

Acq: 9 Nov 2018 21:15

Instrument :

BNA\_G

ClientSampleId :

TP-3-S

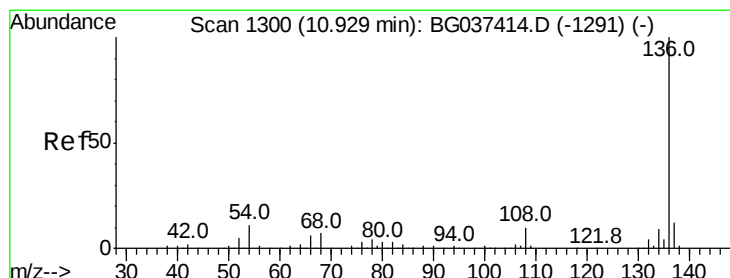
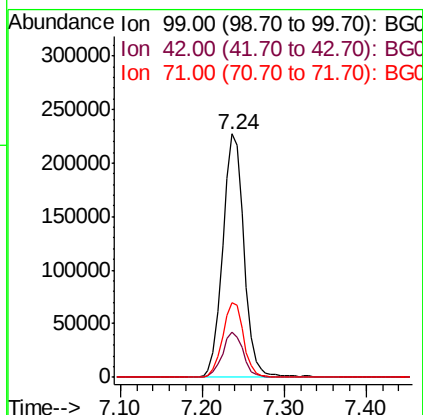
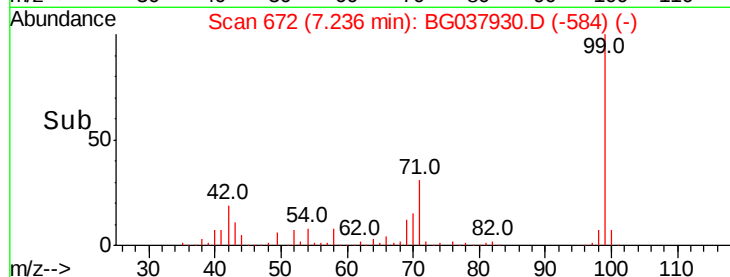
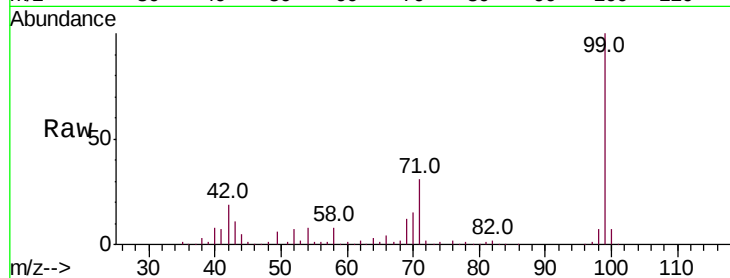
Tot Ion: 99 Resp: 410658

Ion Ratio Lower Upper

99 100

42 18.5 15.0 22.4

71 30.9 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: BG037930.D

Acq: 9 Nov 2018 21:15

Tgt Ion: 136 Resp: 212160

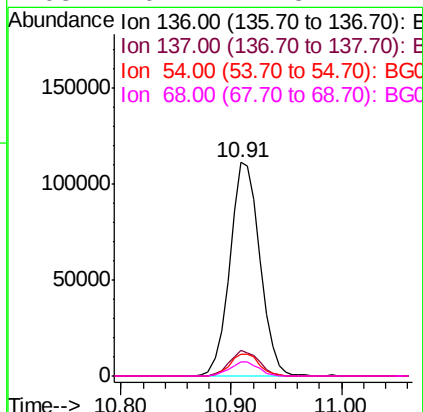
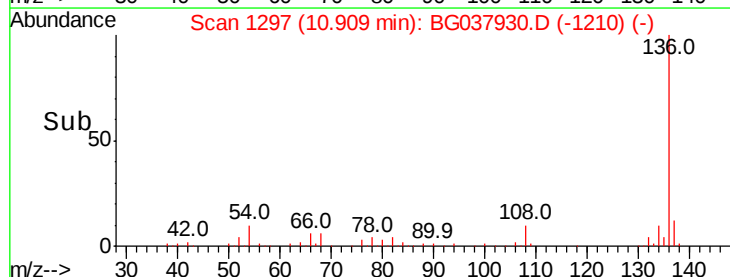
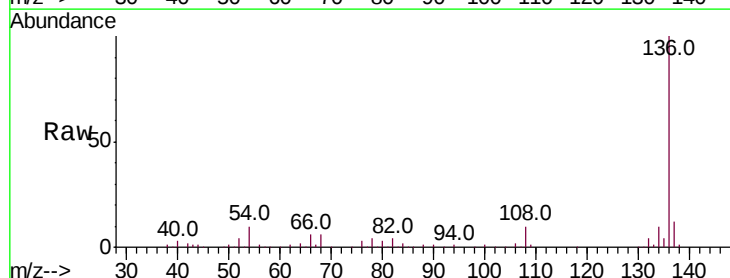
Ion Ratio Lower Upper

136 100

137 11.7 9.6 14.4

54 10.4 7.9 11.9

68 6.4 4.8 7.2

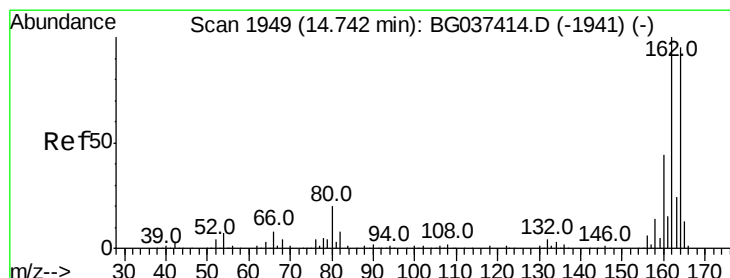
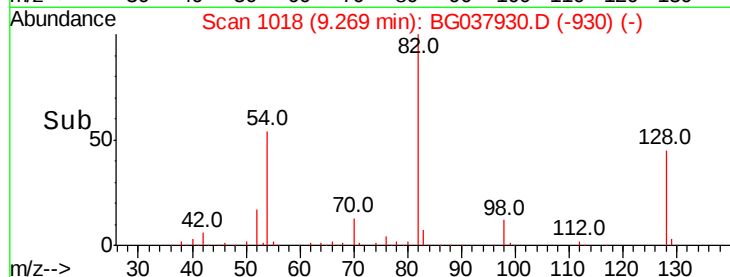
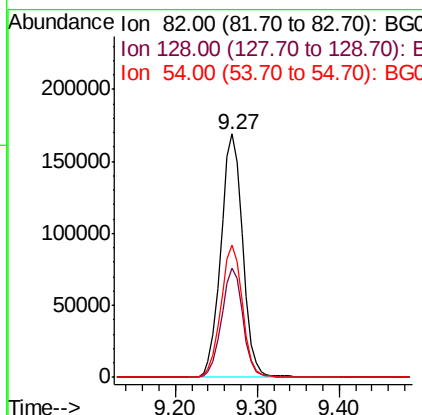
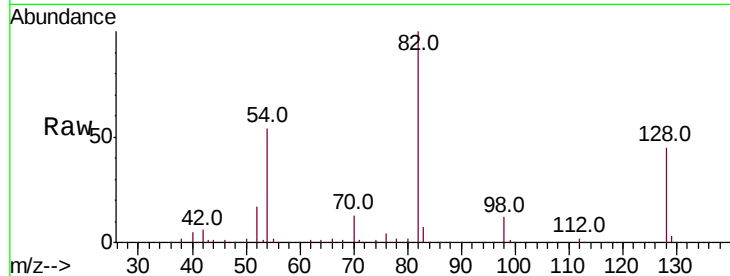




#23  
 Nitrobenzene-d5  
 Concen: 83.035 ng  
 RT: 9.27 min Scan# 1018  
 Delta R.T. -0.01 min  
 Lab File: BG037930.D  
 Acq: 9 Nov 2018 21:15

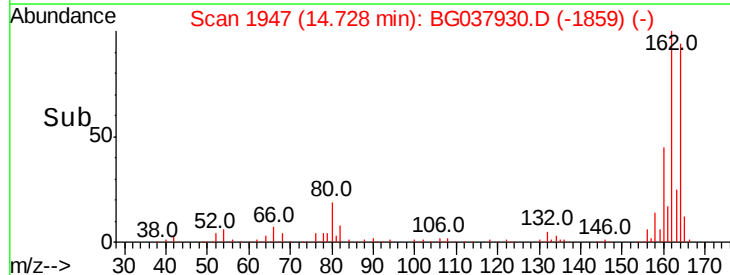
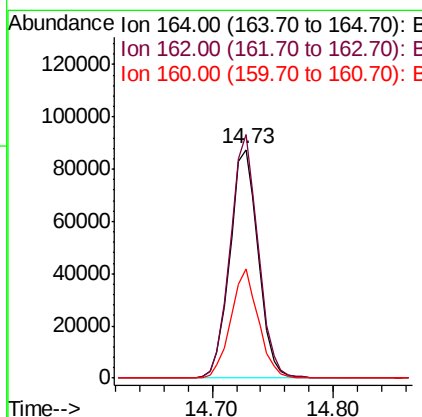
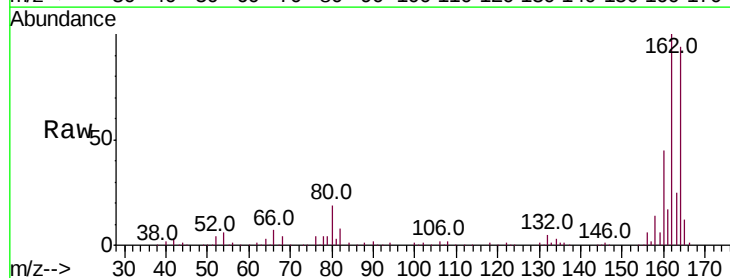
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-3-S

Tot Ion: 82 Resp: 314479  
 Ion Ratio Lower Upper  
 82 100  
 128 44.9 34.6 51.8  
 54 54.3 45.3 67.9



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.73 min Scan# 1947  
 Delta R.T. -0.01 min  
 Lab File: BG037930.D  
 Acq: 9 Nov 2018 21:15

Tgt Ion: 164 Resp: 143321  
 Ion Ratio Lower Upper  
 164 100  
 162 106.6 81.3 121.9  
 160 47.8 36.3 54.5

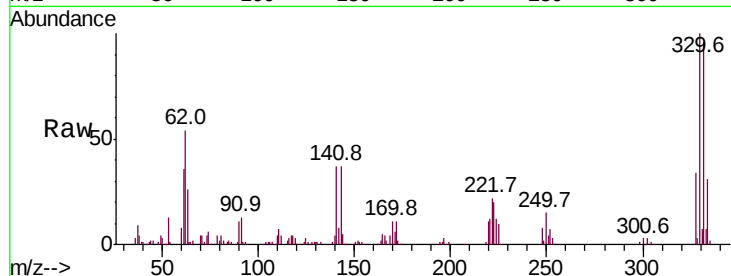




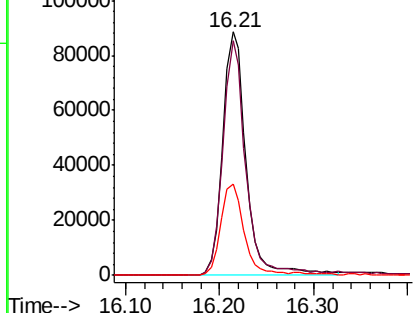
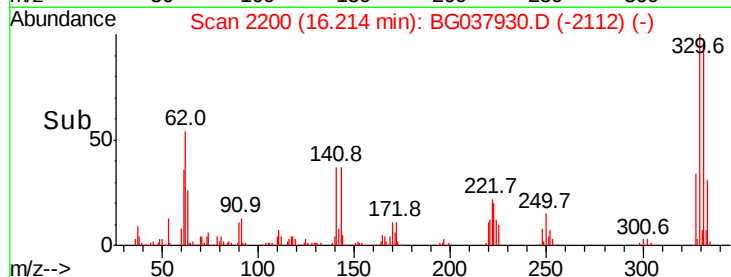
#42  
 2,4,6-Tribromophenol  
 Concen: 98.338 ng  
 RT: 16.21 min Scan# 2200  
 Delta R.T. -0.01 min  
 Lab File: BG037930.D  
 Acq: 9 Nov 2018 21:15

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-3-S

Tot Ion:330 Resp: 153720  
 Ion Ratio Lower Upper  
 330 100  
 332 94.3 78.4 117.6  
 141 37.2 32.2 48.2

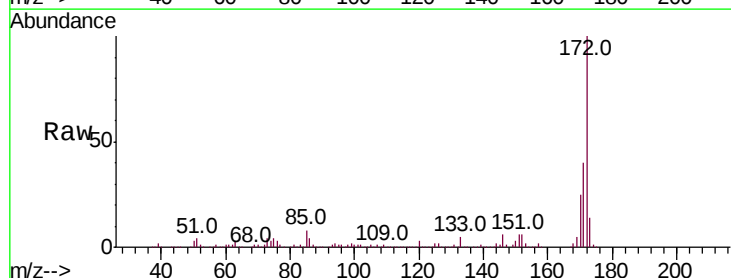


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

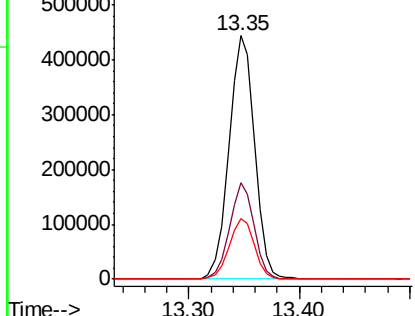
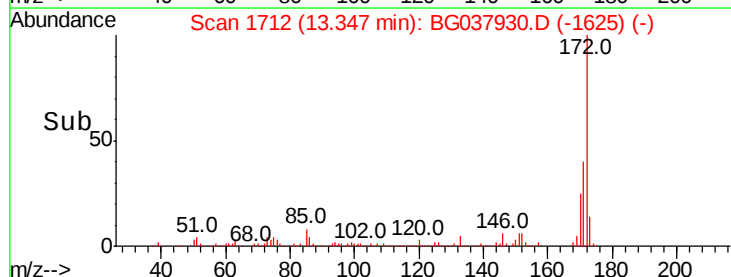


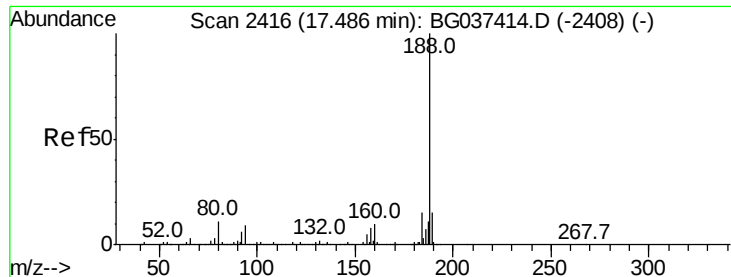
#45  
 2-Fluorobiphenyl  
 Concen: 76.269 ng  
 RT: 13.35 min Scan# 1712  
 Delta R.T. -0.02 min  
 Lab File: BG037930.D  
 Acq: 9 Nov 2018 21:15

Tgt Ion:172 Resp: 724892  
 Ion Ratio Lower Upper  
 172 100  
 171 39.5 31.0 46.4  
 170 24.8 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

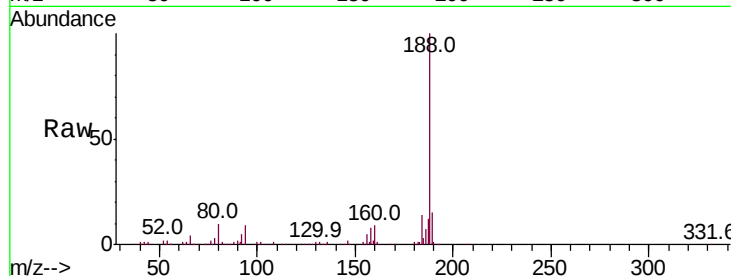




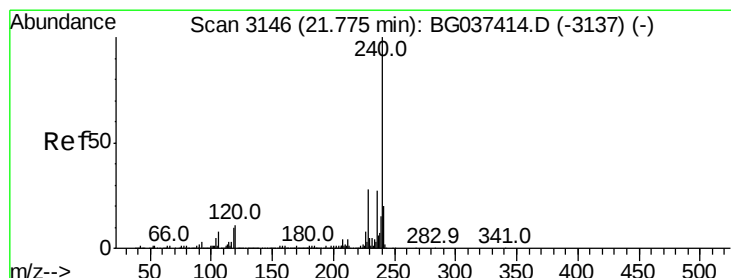
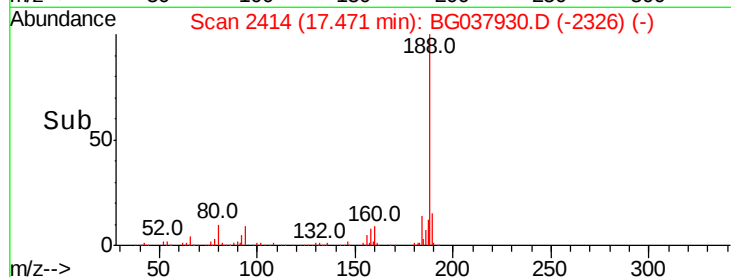
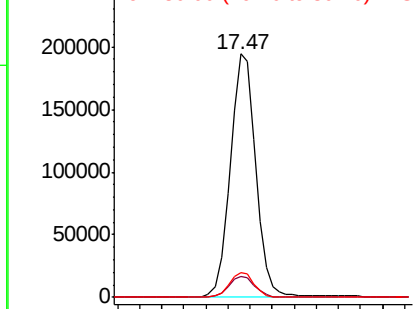
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.47 min Scan# 2414  
Delta R.T. -0.01 min  
Lab File: BG037930.D  
Acq: 9 Nov 2018 21:15

Instrument :  
BNA\_G  
ClientSampled :  
TP-3-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.6   | 7.2   | 10.8  |
| 80      | 9.9   | 7.7   | 11.5  |

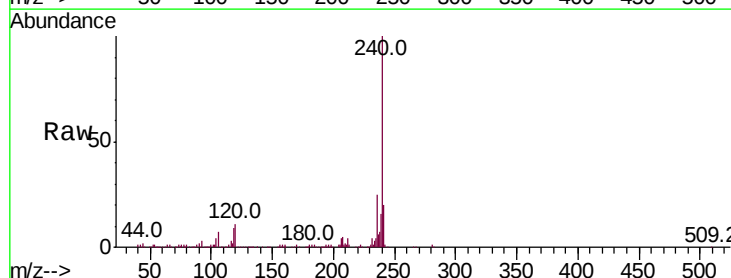


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BG  
Ion 80.00 (79.70 to 80.70): BG

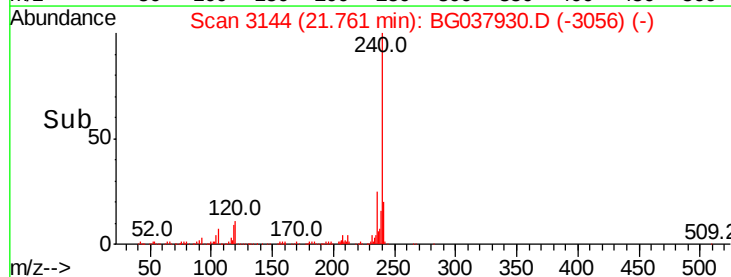
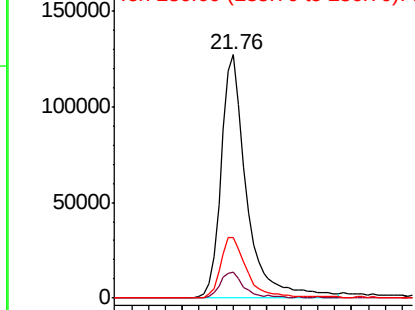


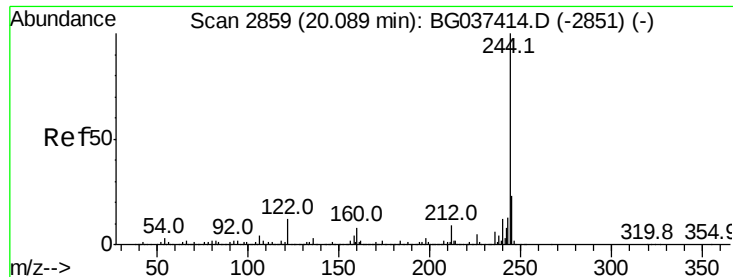
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.76 min Scan# 3144  
Delta R.T. -0.01 min  
Lab File: BG037930.D  
Acq: 9 Nov 2018 21:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.6  | 8.1   | 12.1  |
| 236     | 24.9  | 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: 90.442 ng

RT: 20.07 min Scan# 2857

Delta R.T. -0.01 min

Lab File: BG037930.D

Acq: 9 Nov 2018 21:15

Instrument :

BNA\_G

ClientSampleId :

TP-3-S

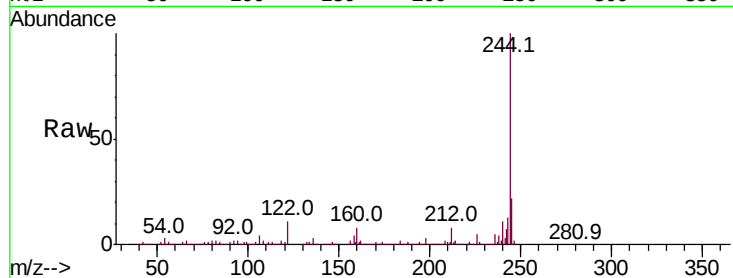
Tot Ion:244 Resp: 1134469

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.1   | 6.5   | 9.7   |
| 122 | 11.1  | 9.0   | 13.4  |

244 100

212 8.1 6.5 9.7

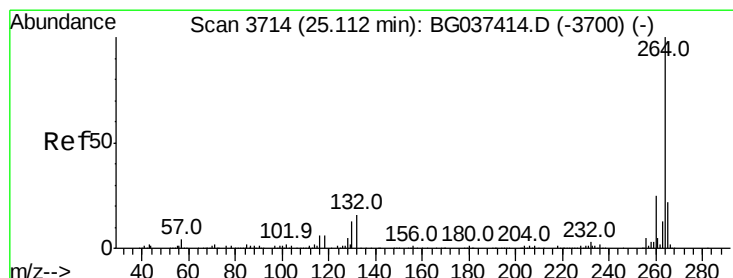
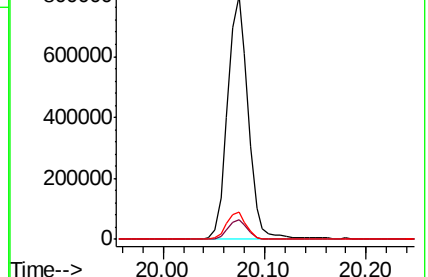
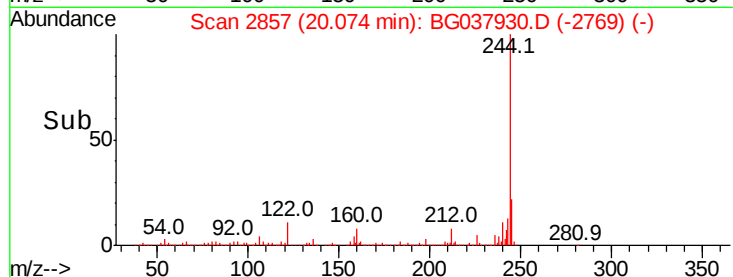
122 11.1 9.0 13.4



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# 3711

Delta R.T. -0.02 min

Lab File: BG037930.D

Acq: 9 Nov 2018 21:15

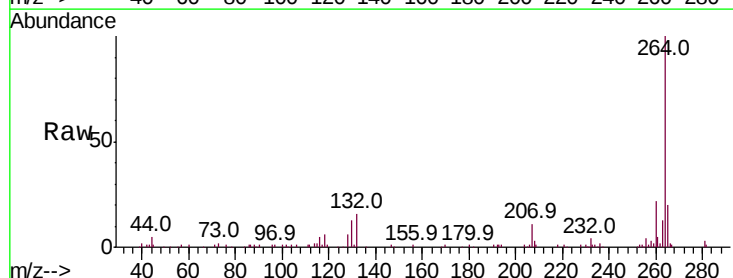
Tgt Ion:264 Resp: 197815

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 21.8  | 18.2  | 27.4  |
| 265 | 20.1  | 17.9  | 26.9  |

264 100

260 21.8 18.2 27.4

265 20.1 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

