

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100118\  
 Data File : BG037079.D  
 Acq On : 1 Oct 2018 17:02  
 Operator : JU/SJ  
 Sample : PB113368BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB113368BL

Quant Time: Oct 01 19:04:31 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 24 10:41:23 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.04  | 152  | 49615    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.84 | 136  | 199011   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.67 | 164  | 128370   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.41 | 188  | 327396   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.68 | 240  | 341643   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 24.88 | 264  | 325265   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.61  | 112  | 320948   | 124.06 | ng    | 0.00     |
| 7) Phenol-d6                | 7.20  | 99   | 434858   | 108.64 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.20  | 82   | 290545   | 78.18  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.15 | 330  | 156994   | 102.22 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.29 | 172  | 648965   | 75.29  | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.02 | 244  | 1108519  | 85.32  | ng    | 0.00     |

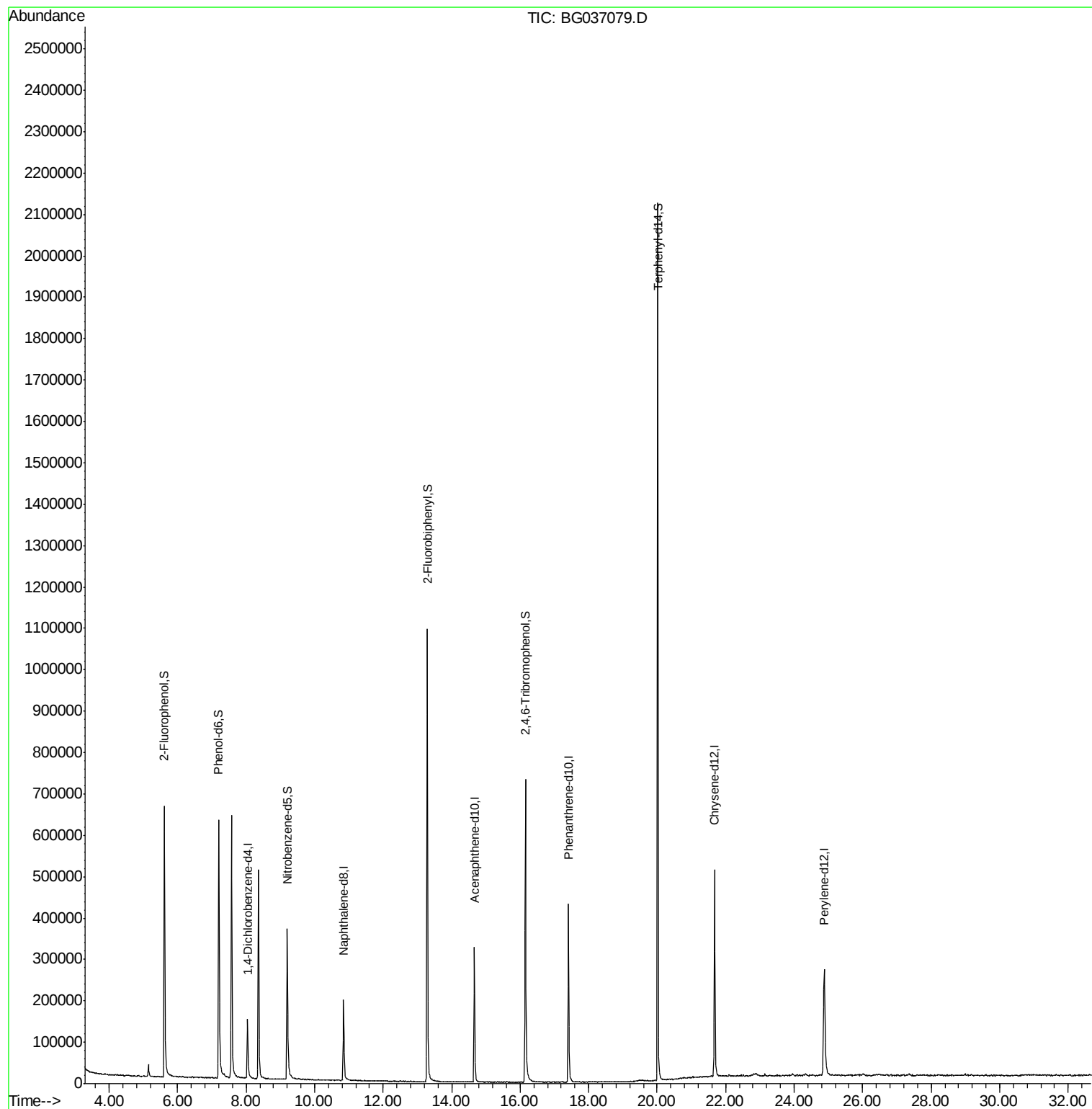
Target Compounds Qvalue

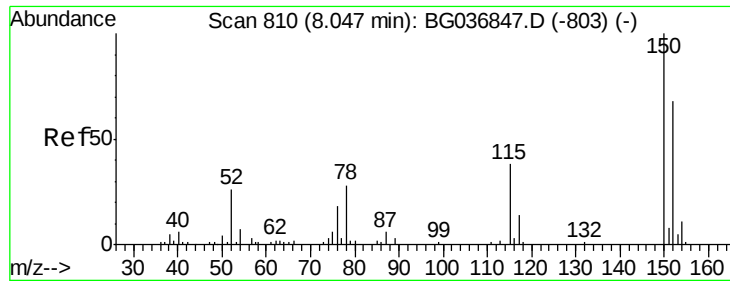
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



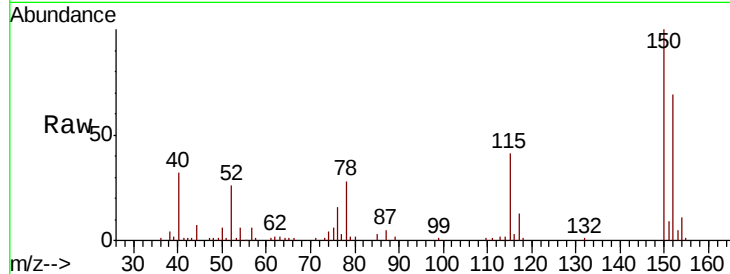


#1

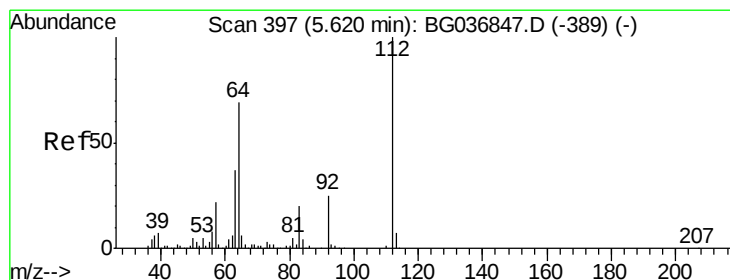
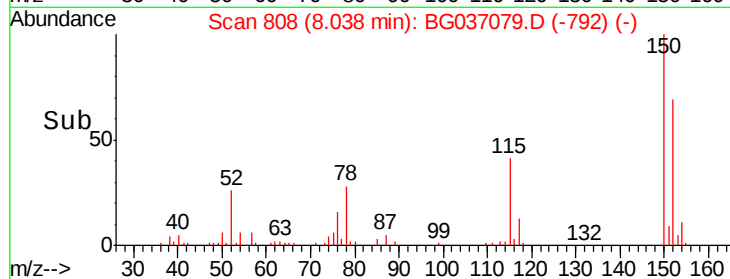
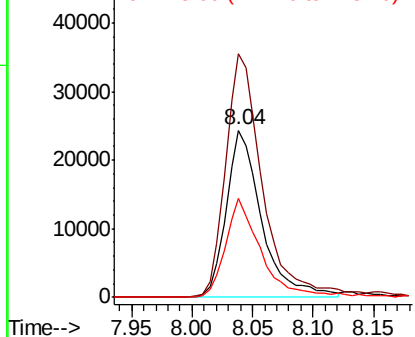
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.04 min Scan# 808  
Delta R.T. -0.01 min  
Lab File: BG037079.D  
Acq: 1 Oct 2018 17:02

Instrument :  
BNA\_G  
ClientSampleId :  
PB113368BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 145.5 | 119.5 | 179.3 |
| 115     | 59.2  | 44.5  | 66.7  |



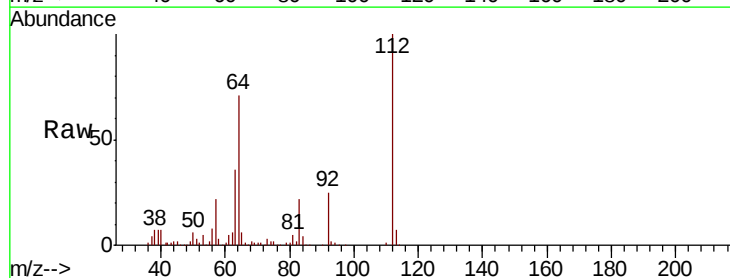
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



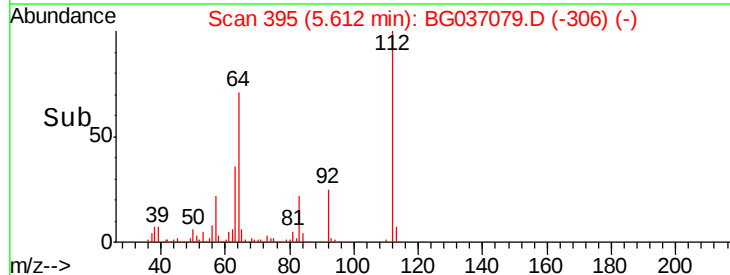
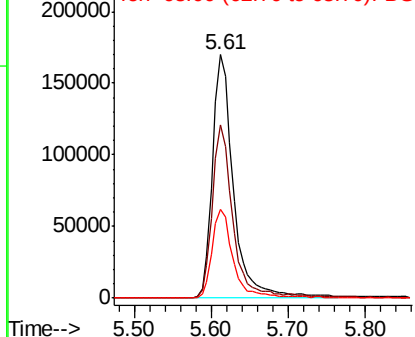
#5

2-Fluorophenol  
Concen: 124.057 ng  
RT: 5.61 min Scan# 395  
Delta R.T. -0.01 min  
Lab File: BG037079.D  
Acq: 1 Oct 2018 17:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 71.1  | 57.2  | 85.8  |
| 63      | 36.3  | 30.8  | 46.2  |



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: 108.642 ng

RT: 7.20 min Scan# 665

Delta R.T. -0.01 min

Lab File: BG037079.D

Acq: 1 Oct 2018 17:02

Instrument :

BNA\_G

ClientSampled :

PB113368BL

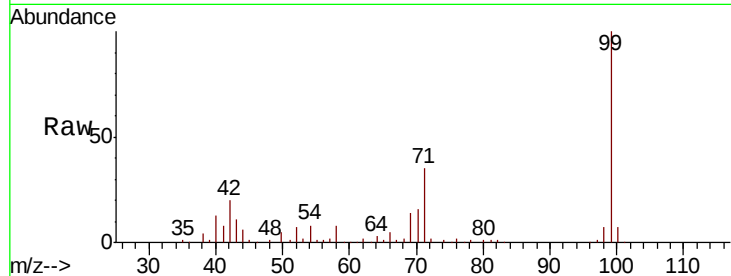
Tot Ion: 99 Resp: 434858

Ion Ratio Lower Upper

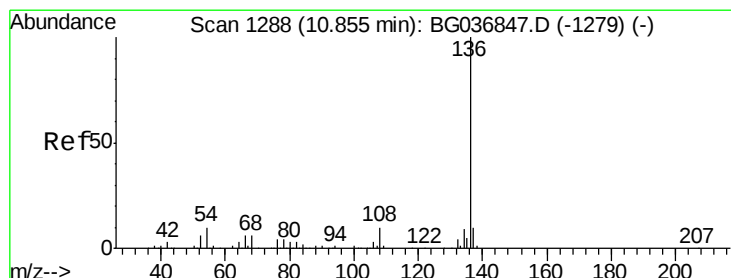
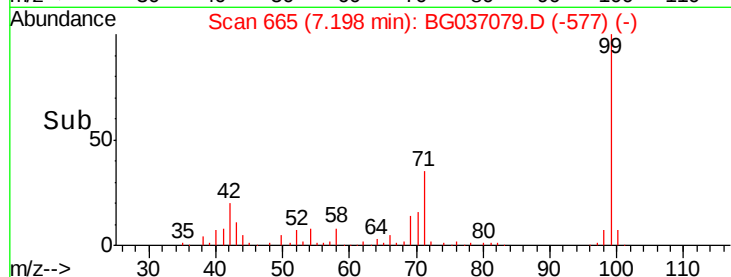
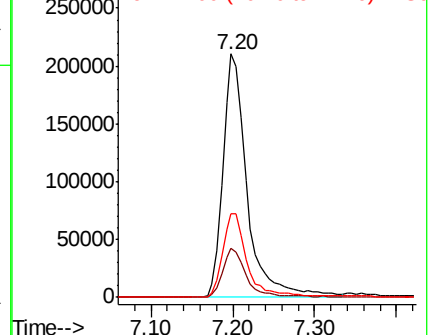
99 100

42 20.0 16.5 24.7

71 34.6 29.4 44.2



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: 20.000 ng

RT: 10.84 min Scan# 1285

Delta R.T. -0.01 min

Lab File: BG037079.D

Acq: 1 Oct 2018 17:02

Tgt Ion: 136 Resp: 199011

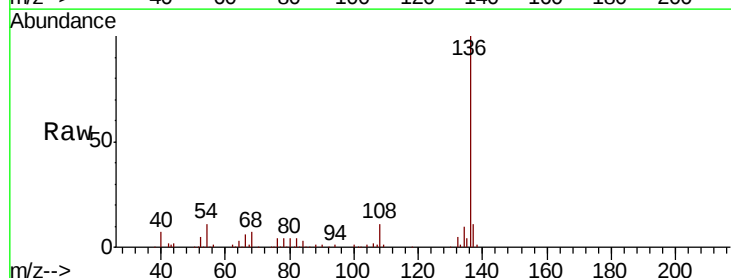
Ion Ratio Lower Upper

136 100

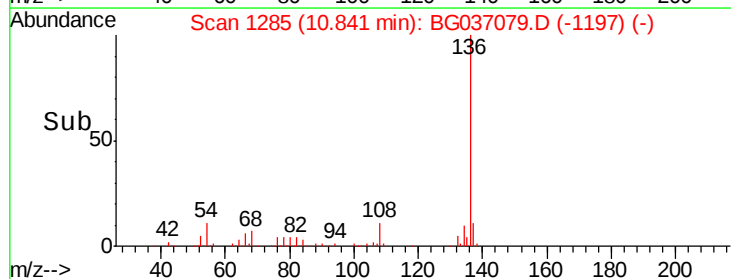
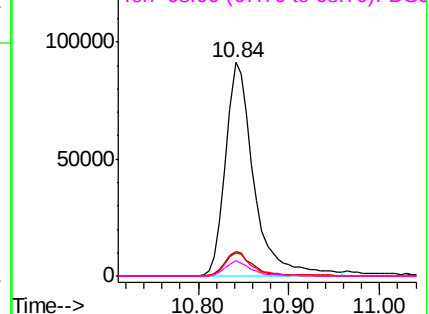
137 11.4 8.8 13.2

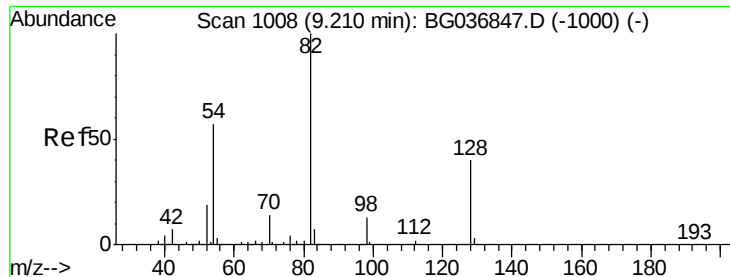
54 10.6 9.2 13.8

68 7.2 5.8 8.6



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

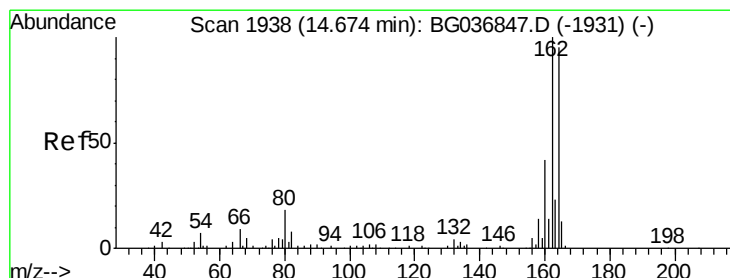
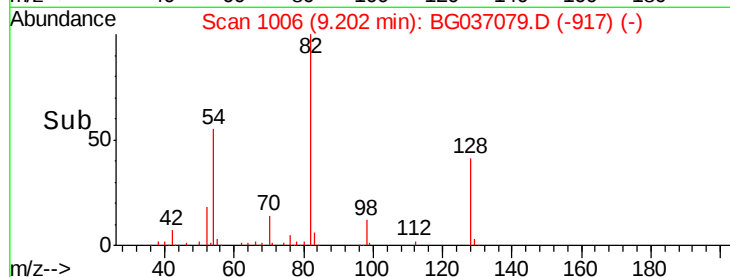
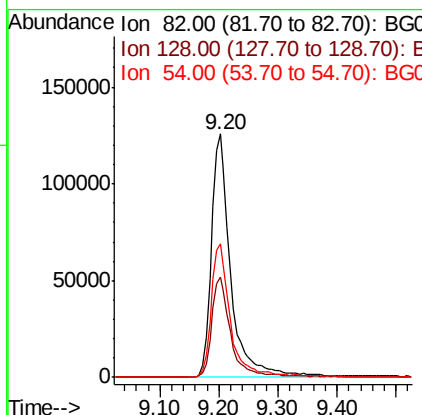
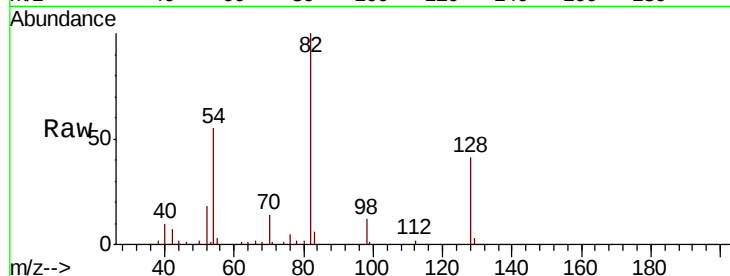




#23  
 Nitrobenzene-d5  
 Concen: 78.182 ng  
 RT: 9.20 min Scan# 1006  
 Delta R.T. -0.01 min  
 Lab File: BG037079.D  
 Acq: 1 Oct 2018 17:02

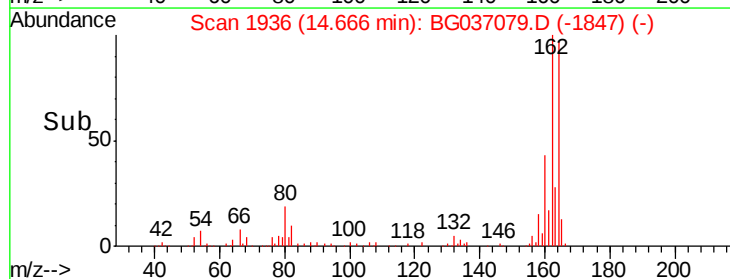
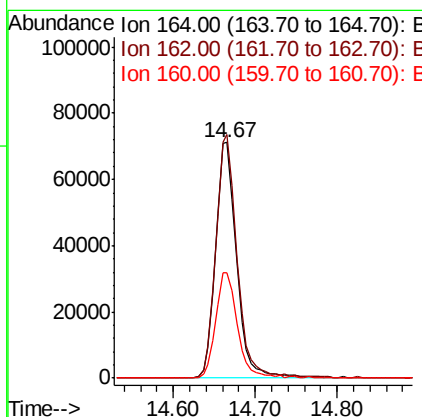
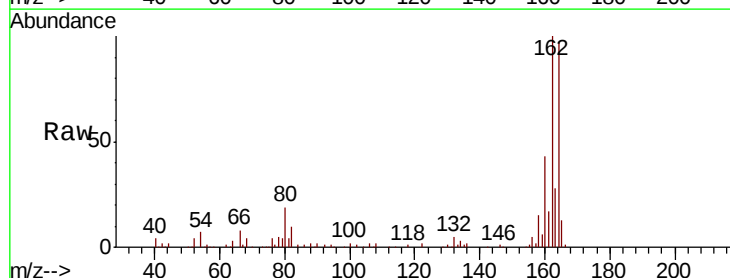
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB113368BL

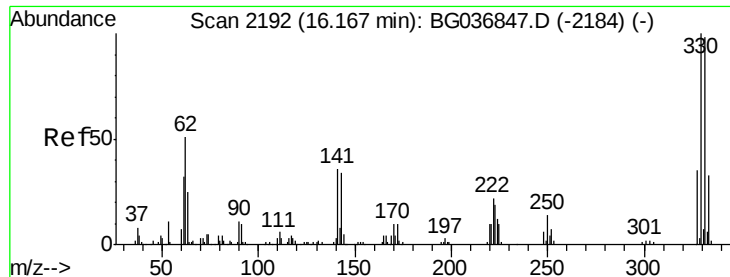
| Tot Ion   | 82    | Resp  | 290545 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 41.0  | 33.3  | 49.9   |
| 54        | 54.7  | 45.1  | 67.7   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.67 min Scan# 1936  
 Delta R.T. -0.01 min  
 Lab File: BG037079.D  
 Acq: 1 Oct 2018 17:02

| Tgt Ion   | 164   | Resp  | 128370 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 103.3 | 80.7  | 121.1  |
| 160       | 44.9  | 35.3  | 52.9   |

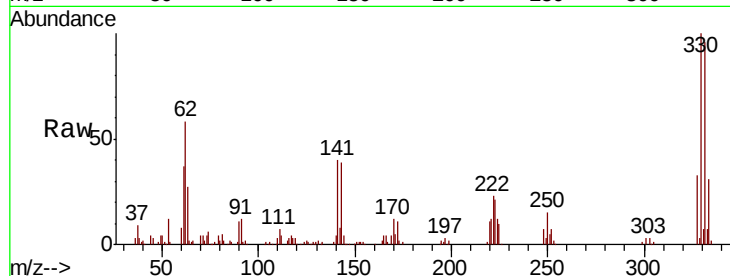




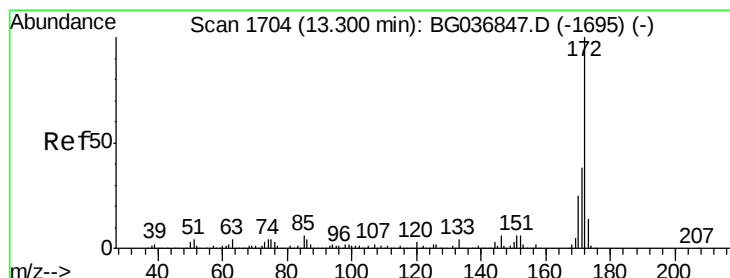
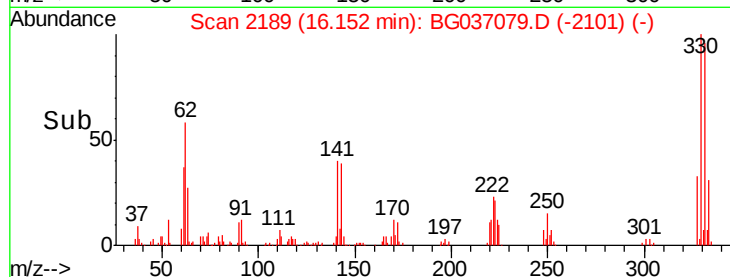
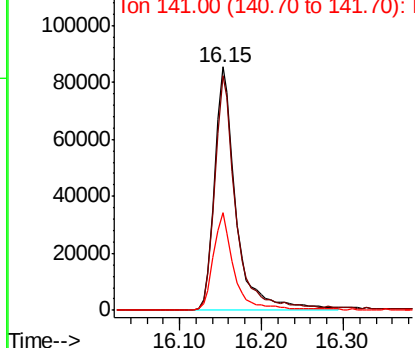
#41  
 2,4,6-Tribromophenol  
 Concen: 102.218 ng  
 RT: 16.15 min Scan# 2189  
 Delta R.T. -0.01 min  
 Lab File: BG037079.D  
 Acq: 1 Oct 2018 17:02

Instrument :  
 BNA\_G  
 ClientSampled :  
 PB113368BL

Tot Ion:330 Resp: 156994  
 Ion Ratio Lower Upper  
 330 100  
 332 94.3 75.4 113.2  
 141 38.7 30.7 46.1

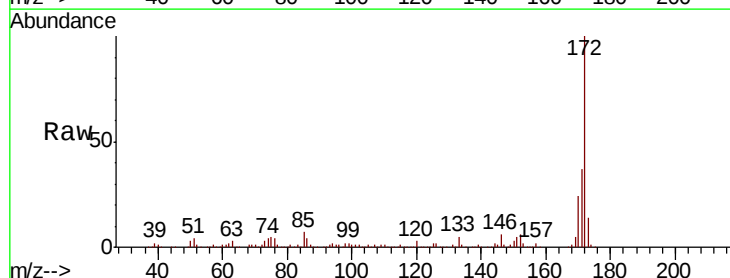


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

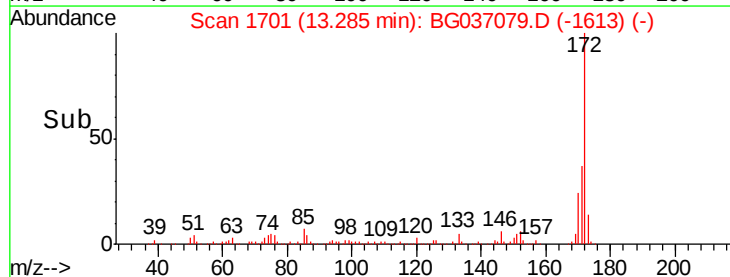
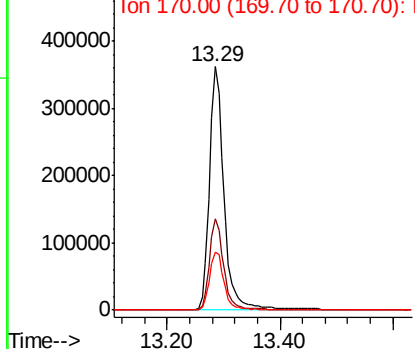


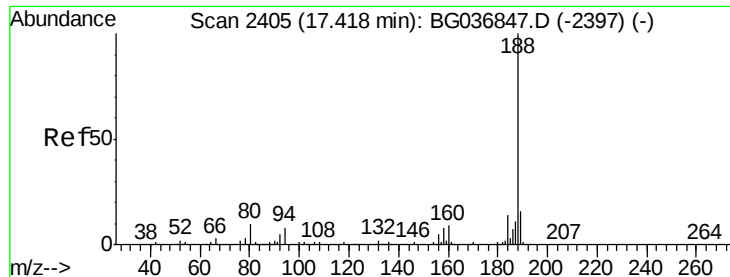
#44  
 2-Fluorobiphenyl  
 Concen: 75.295 ng  
 RT: 13.29 min Scan# 1701  
 Delta R.T. -0.01 min  
 Lab File: BG037079.D  
 Acq: 1 Oct 2018 17:02

Tgt Ion:172 Resp: 648965  
 Ion Ratio Lower Upper  
 172 100  
 171 37.3 31.3 46.9  
 170 24.0 21.0 31.6



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

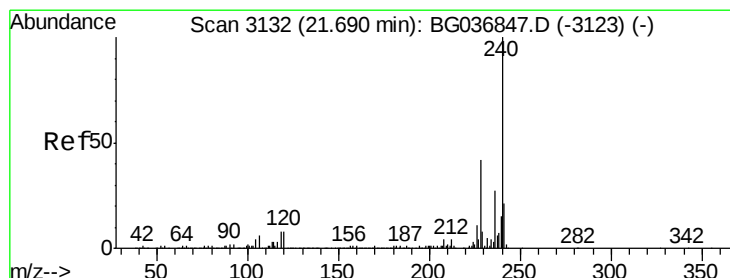
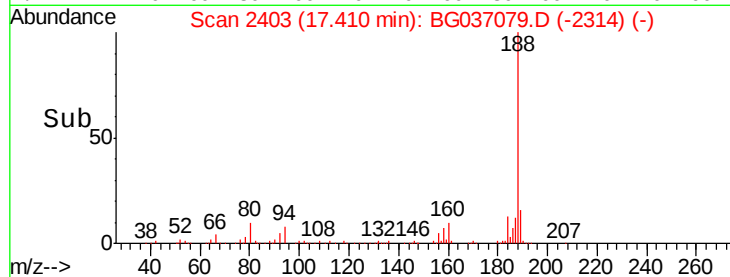
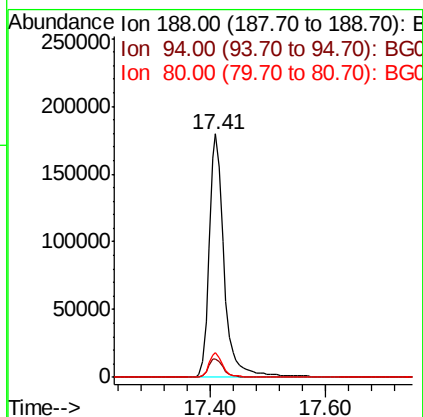
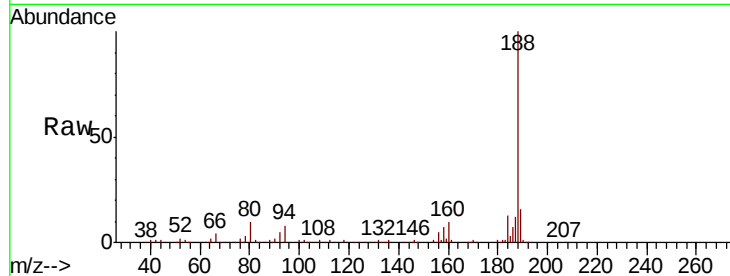




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.41 min Scan# 2403  
Delta R.T. -0.01 min  
Lab File: BG037079.D  
Acq: 1 Oct 2018 17:02

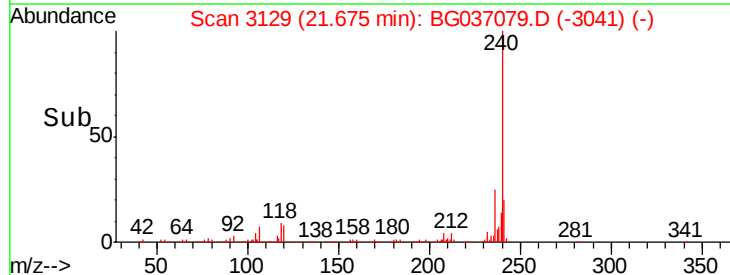
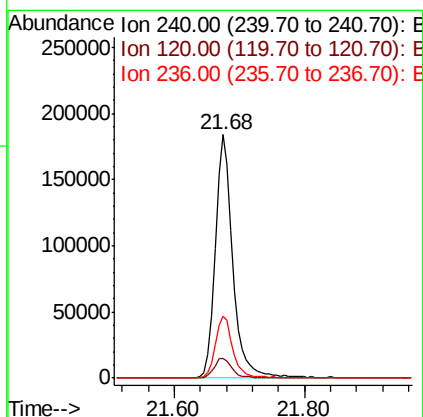
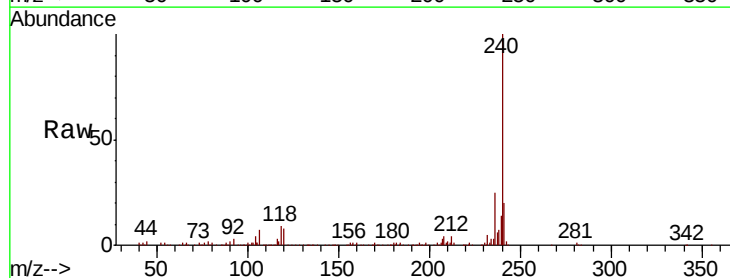
Instrument :  
BNA\_G  
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PB113368BL

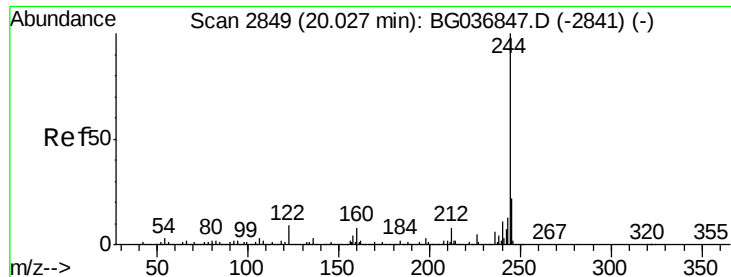
Tot Ion:188 Resp: 327396  
Ion Ratio Lower Upper  
188 100  
94 7.6 6.7 10.1  
80 10.0 8.1 12.1



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.68 min Scan# 3129  
Delta R.T. -0.01 min  
Lab File: BG037079.D  
Acq: 1 Oct 2018 17:02

Tgt Ion:240 Resp: 341643  
Ion Ratio Lower Upper  
240 100  
120 8.1 6.9 10.3  
236 25.5 21.2 31.8





#78

Terphenyl-d14

Concen: 85.318 ng

RT: 20.02 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG037079.D

Acq: 1 Oct 2018 17:02

Instrument :

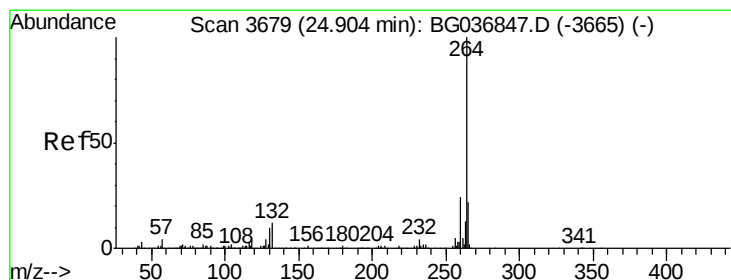
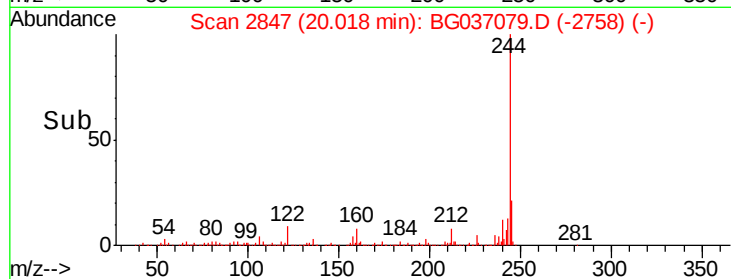
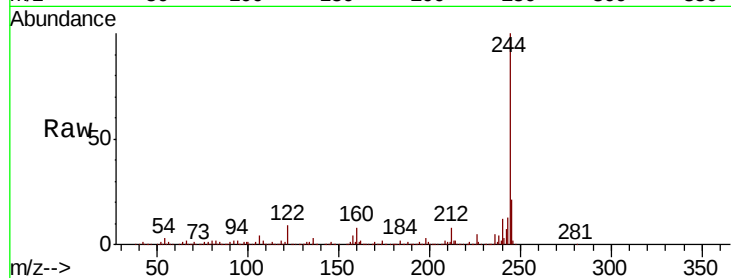
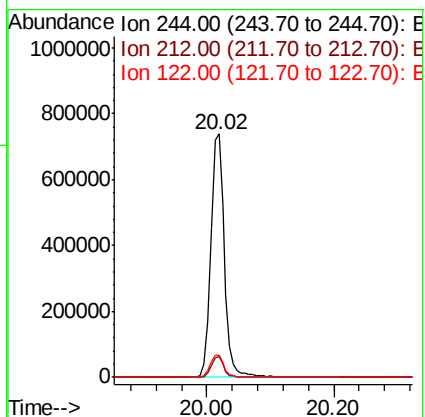
BNA\_G

ClientSampleId :

PB113368BL

Tot Ion:244 Resp: 1108519

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.4   | 7.0   | 10.6  |
| 122 | 9.3   | 7.1   | 10.7  |



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.88 min Scan# 3674

Delta R.T. -0.03 min

Lab File: BG037079.D

Acq: 1 Oct 2018 17:02

Tgt Ion:264 Resp: 325265

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.5  | 19.6  | 29.4  |
| 265 | 21.0  | 17.4  | 26.0  |

