

Data Path : Z:\HPCHEM1\BNA G\DATA\BG091817\  
 Data File : BG028799.D  
 Acq On : 18 Sep 2017 17:40  
 Operator : SJ/JU  
 Sample : PB102383BL  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB102383BL

Quant Time: Sep 19 02:57:10 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 12 16:57:11 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.29  | 152  | 28239    | 20.00  | ng    | -0.04    |
| 21) Naphthalene-d8          | 11.11 | 136  | 109544   | 20.00  | ng    | -0.04    |
| 38) Acenaphthene-d10        | 14.91 | 164  | 80724    | 20.00  | ng    | -0.04    |
| 63) Phenanthrene-d10        | 17.66 | 188  | 242270   | 20.00  | ng    | -0.04    |
| 75) Chrysene-d12            | 21.98 | 240  | 268895   | 20.00  | ng    | -0.05    |
| 86) Perylene-d12            | 25.45 | 264  | 267154   | 20.00  | ng    | -0.07    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.86  | 112  | 205316   | 119.97 | ng    | -0.04    |
| 7) Phenol-d6                | 7.45  | 99   | 283421   | 109.99 | ng    | -0.04    |
| 23) Nitrobenzene-d5         | 9.46  | 82   | 172383   | 75.28  | ng    | -0.04    |
| 41) 2,4,6-Tribromophenol    | 16.40 | 330  | 178263   | 133.52 | ng    | -0.04    |
| 44) 2-Fluorobiphenyl        | 13.53 | 172  | 476245   | 78.67  | ng    | -0.04    |
| 78) Terphenyl-d14           | 20.25 | 244  | 1005934  | 79.78  | ng    | -0.03    |

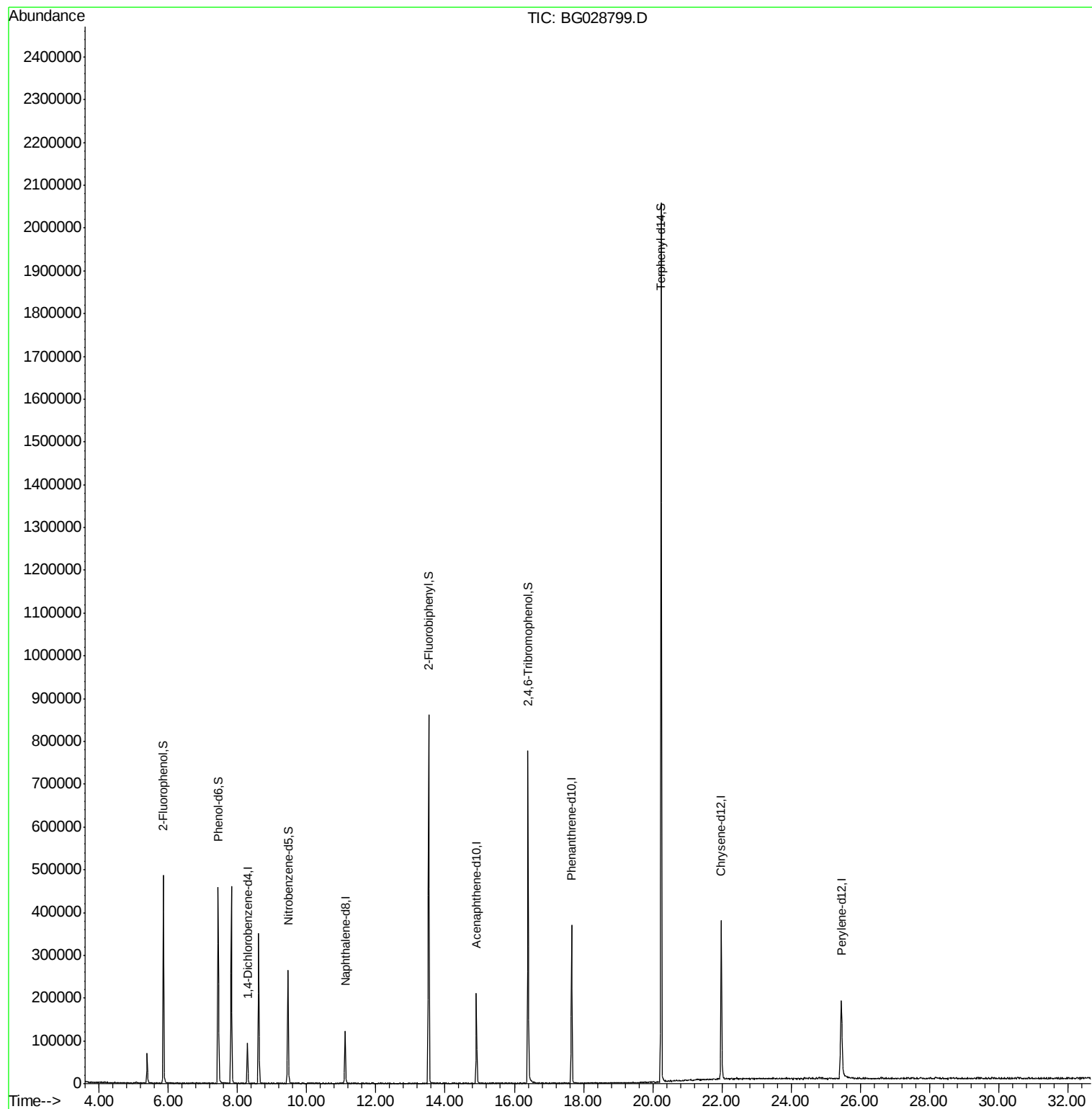
Target Compounds Qvalue

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

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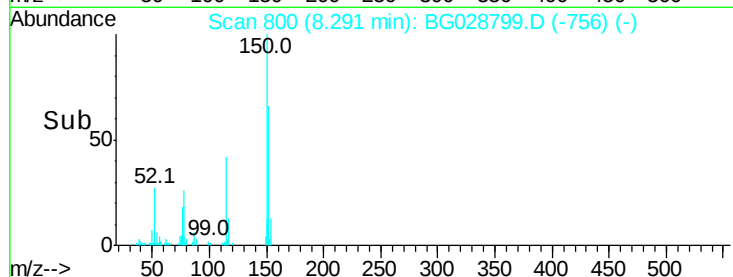
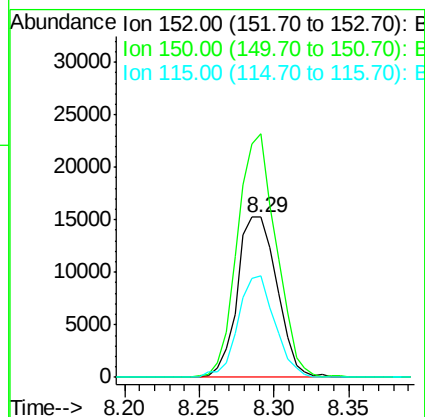
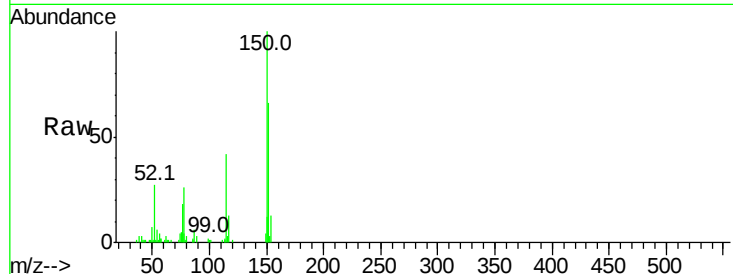


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.29 min Scan# 800  
Delta R.T. -0.04 min  
Lab File: BG028799.D  
Acq: 18 Sep 2017 17:40

Instrument :  
BNA\_G  
ClientSampleId :  
PB102383BL

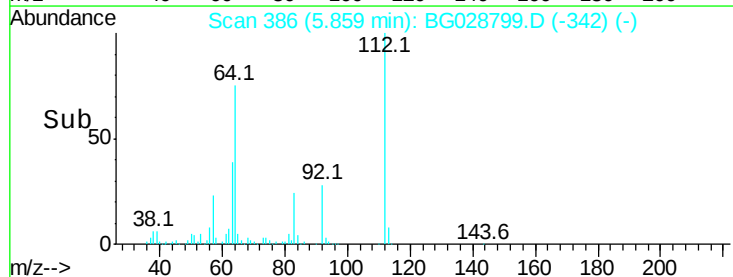
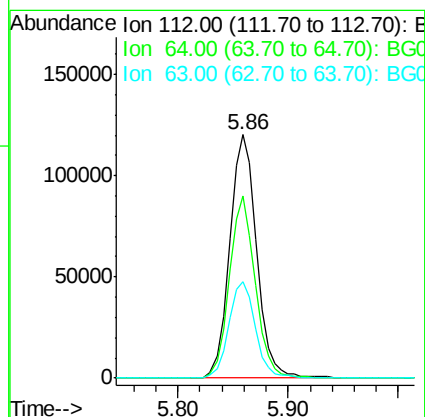
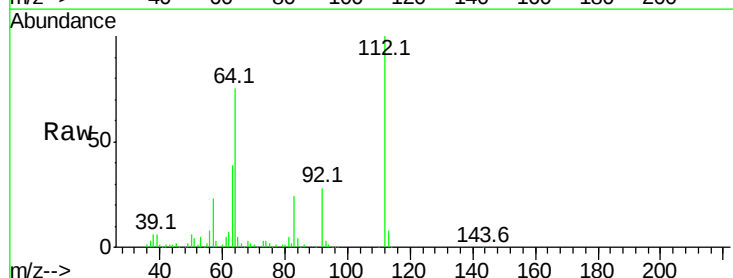
Tot Ion:152 Resp: 28239  
Ion Ratio Lower Upper  
152 100  
150 152.0 114.0 171.0  
115 63.6 48.1 72.1

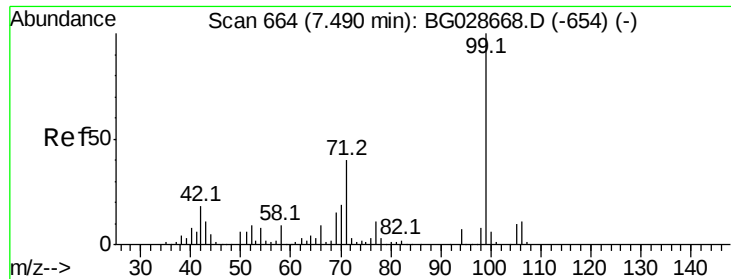


#5

2-Fluorophenol  
Concen: 119.969 ng  
RT: 5.86 min Scan# 386  
Delta R.T. -0.04 min  
Lab File: BG028799.D  
Acq: 18 Sep 2017 17:40

Tgt Ion:112 Resp: 205316  
Ion Ratio Lower Upper  
112 100  
64 75.1 61.8 92.6  
63 39.3 37.2 55.8





#7

Phenol-d6

Concen: 109.993 ng

RT: 7.45 min Scan# 656

Delta R.T. -0.04 min

Lab File: BG028799.D

Acq: 18 Sep 2017 17:40

Instrument :

BNA\_G

ClientSampleId :

PB102383BL

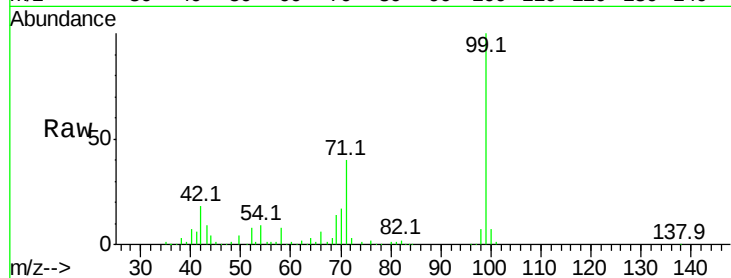
Tot Ion: 99 Resp: 283421

Ion Ratio Lower Upper

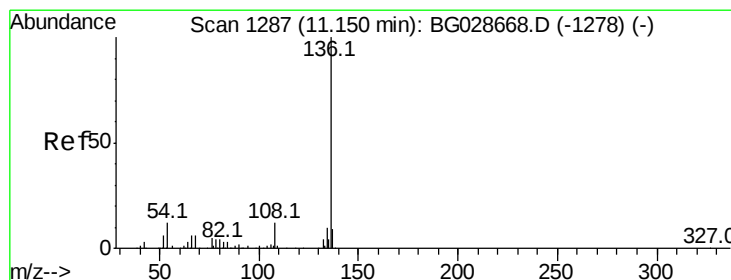
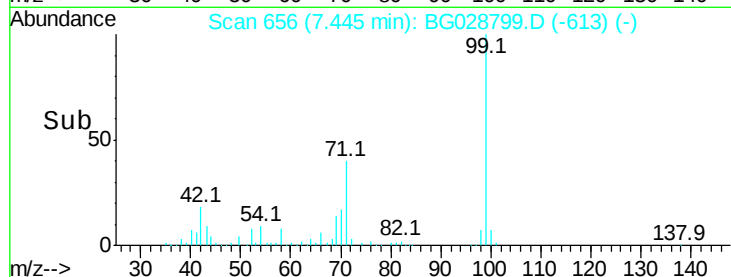
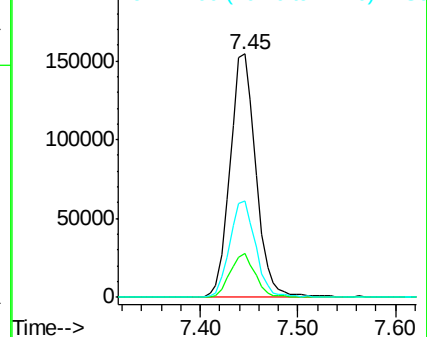
99 100

42 18.0 20.5 30.7#

71 39.5 37.6 56.4



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: 11.11 min Scan# 1280

Delta R.T. -0.04 min

Lab File: BG028799.D

Acq: 18 Sep 2017 17:40

Tgt Ion: 136 Resp: 109544

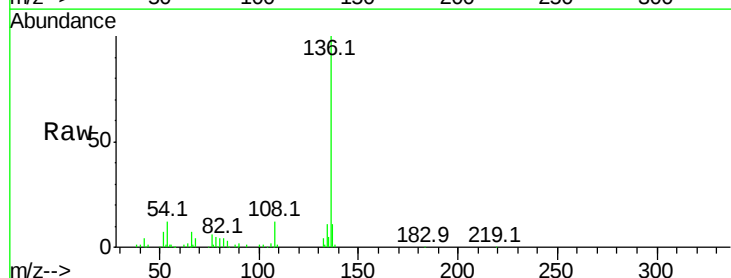
Ion Ratio Lower Upper

136 100

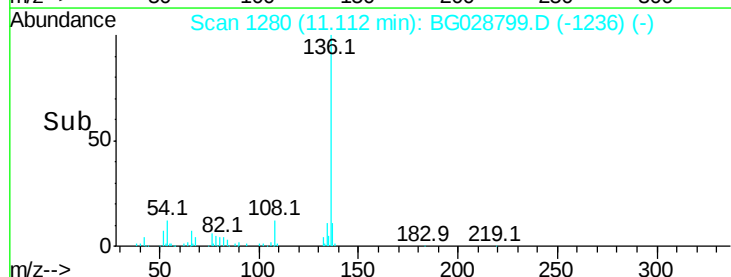
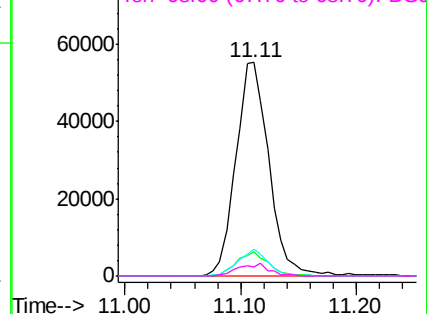
137 11.5 8.9 13.3

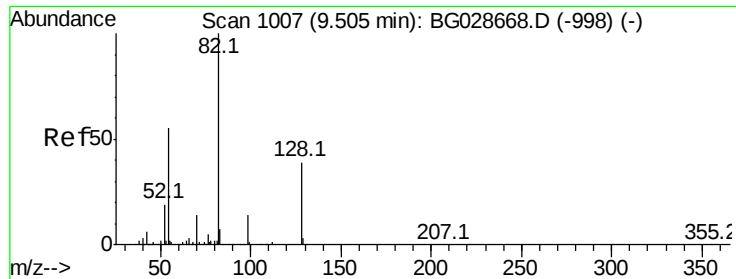
54 12.3 9.3 13.9

68 4.1 5.1 7.7#



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

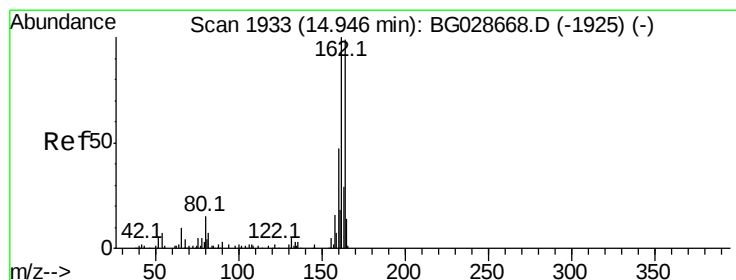
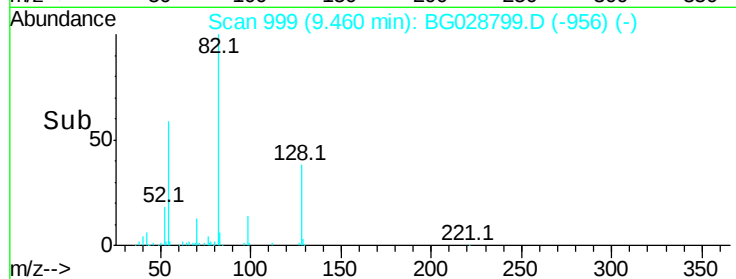
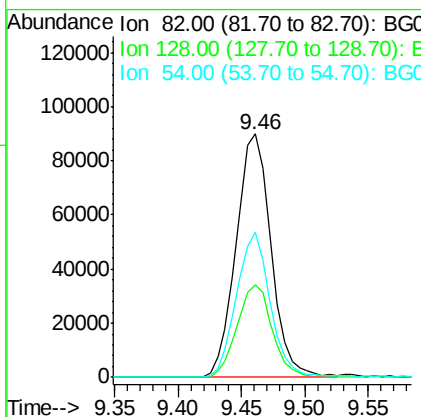
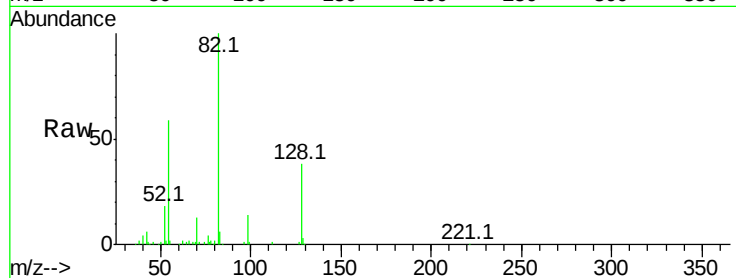




#23  
 Nitrobenzene-d5  
 Concen: 75.279 ng  
 RT: 9.46 min Scan# 999  
 Delta R.T. -0.04 min  
 Lab File: BG028799.D  
 Acq: 18 Sep 2017 17:40

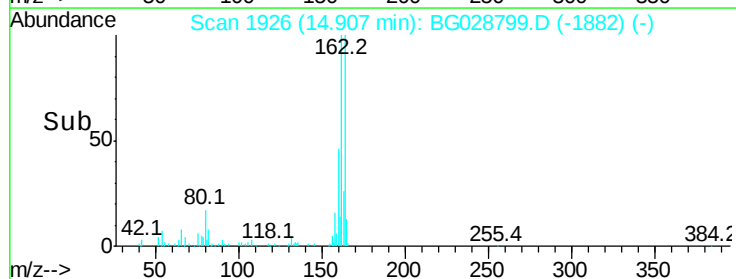
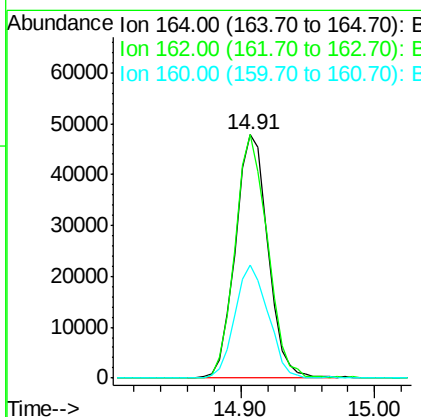
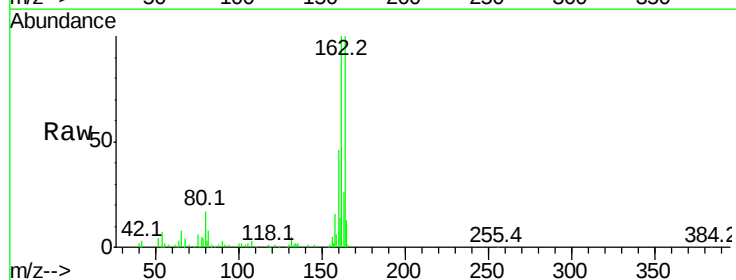
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB102383BL

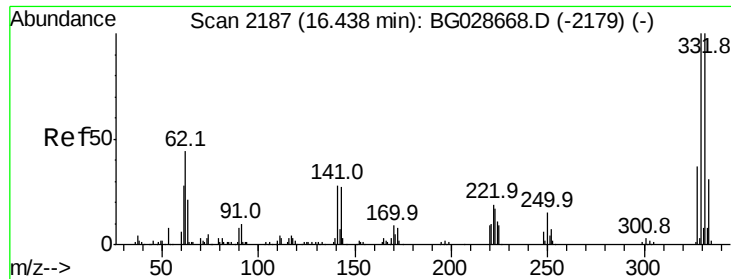
| Tot Ion   | 82    | Resp  | 172383 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 38.2  | 26.4  | 39.6   |
| 54        | 59.3  | 49.4  | 74.2   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.91 min Scan# 1926  
 Delta R.T. -0.04 min  
 Lab File: BG028799.D  
 Acq: 18 Sep 2017 17:40

| Tgt Ion   | 164   | Resp  | 80724 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 100.0 | 85.1  | 127.7 |
| 160       | 46.4  | 34.7  | 52.1  |

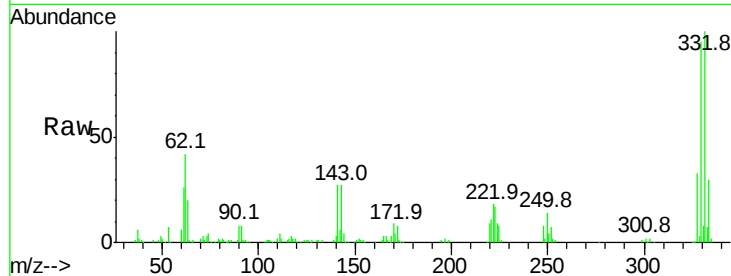




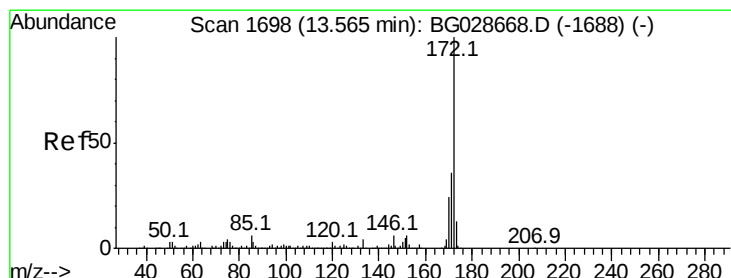
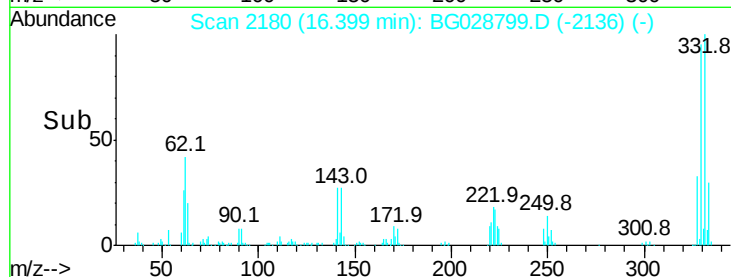
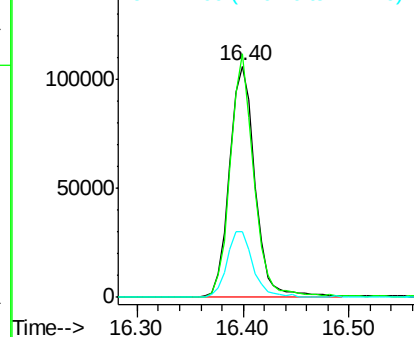
#41  
 2,4,6-Tribromophenol  
 Concen: 133.518 ng  
 RT: 16.40 min Scan# 2180  
 Delta R.T. -0.04 min  
 Lab File: BG028799.D  
 Acq: 18 Sep 2017 17:40

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB102383BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.4  | 77.3  | 115.9 |
| 141     | 29.3  | 32.1  | 48.1# |

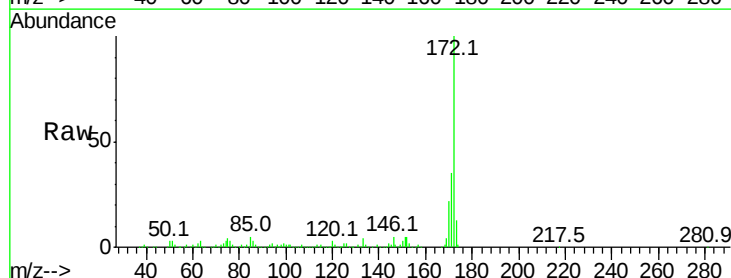


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

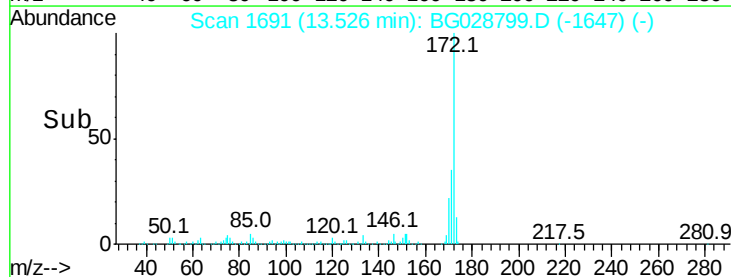
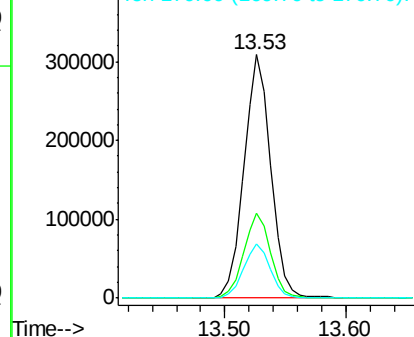


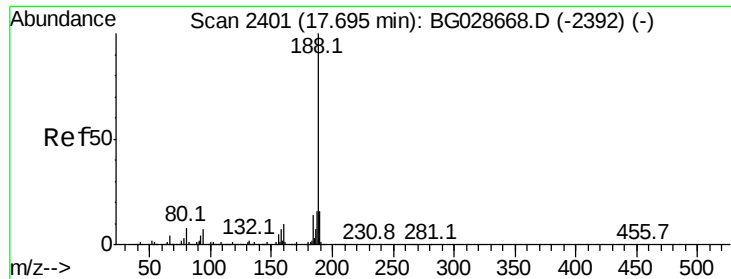
#44  
 2-Fluorobiphenyl  
 Concen: 78.668 ng  
 RT: 13.53 min Scan# 1691  
 Delta R.T. -0.04 min  
 Lab File: BG028799.D  
 Acq: 18 Sep 2017 17:40

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.0  | 32.2  | 48.2  |
| 170     | 22.2  | 21.8  | 32.6  |



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

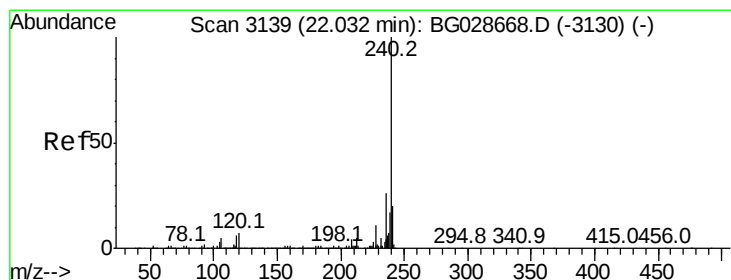
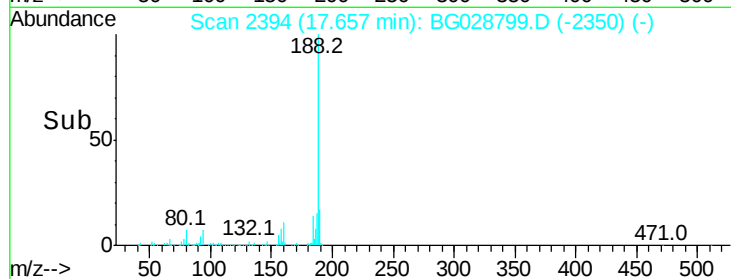
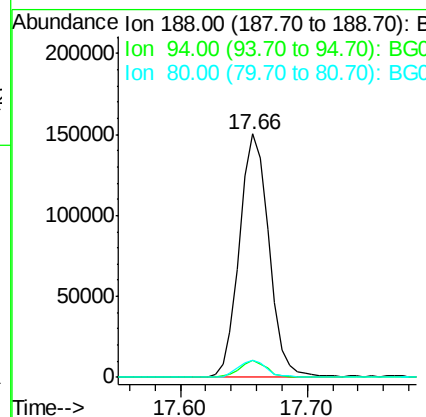
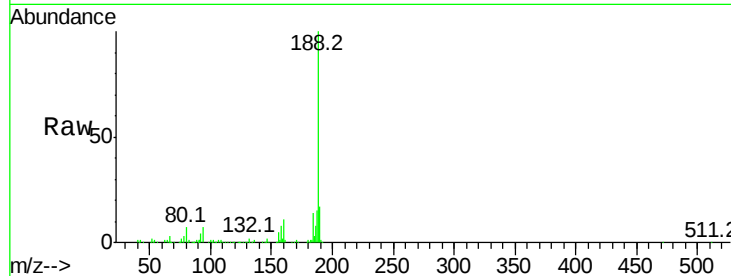




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.66 min Scan# 2394  
Delta R.T. -0.04 min  
Lab File: BG028799.D  
Acq: 18 Sep 2017 17:40

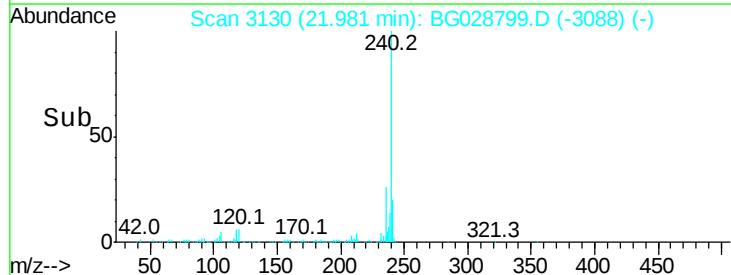
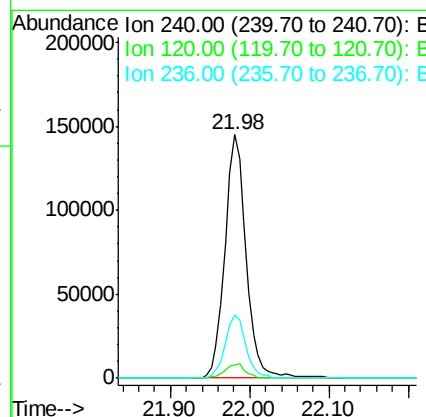
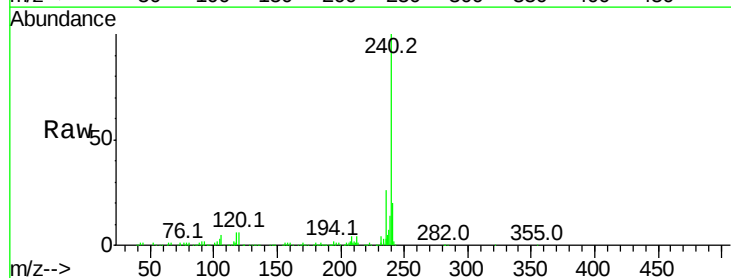
Instrument :  
BNA\_G  
ClientSampleId :  
PB102383BL

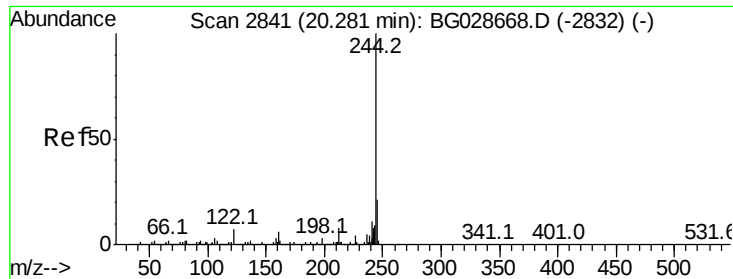
Tot Ion:188 Resp: 242270  
Ion Ratio Lower Upper  
188 100  
94 6.7 5.8 8.8  
80 7.1 7.5 11.3#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.98 min Scan# 3130  
Delta R.T. -0.05 min  
Lab File: BG028799.D  
Acq: 18 Sep 2017 17:40

Tgt Ion:240 Resp: 268895  
Ion Ratio Lower Upper  
240 100  
120 5.5 5.7 8.5#  
236 25.8 22.2 33.4





#78

Terphenyl-d14

Concen: 79.779 ng

RT: 20.25 min Scan# 2835

Delta R.T. -0.03 min

Lab File: BG028799.D

Acq: 18 Sep 2017 17:40

Instrument :

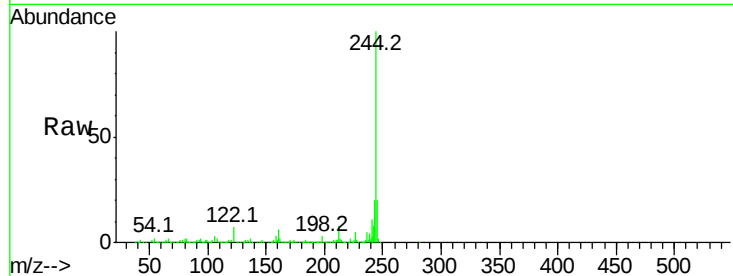
BNA\_G

ClientSampleId :

PB102383BL

Tot Ion:244 Resp: 1005934

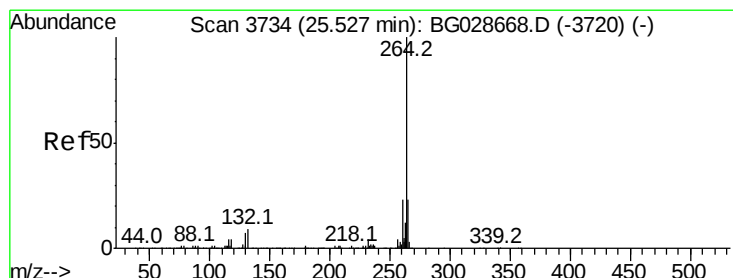
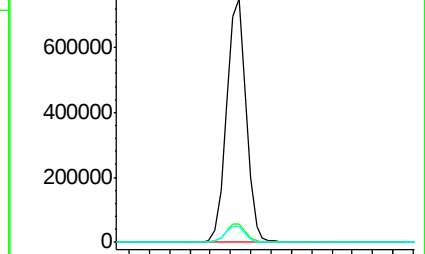
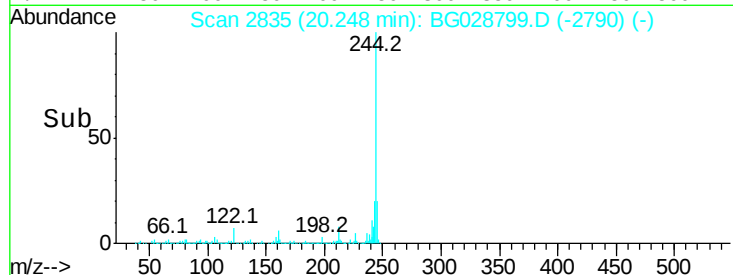
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.5   | 10.0  | 15.0# |
| 122 | 6.7   | 8.6   | 12.8# |



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: 20.000 ng

RT: 25.45 min Scan# 3721

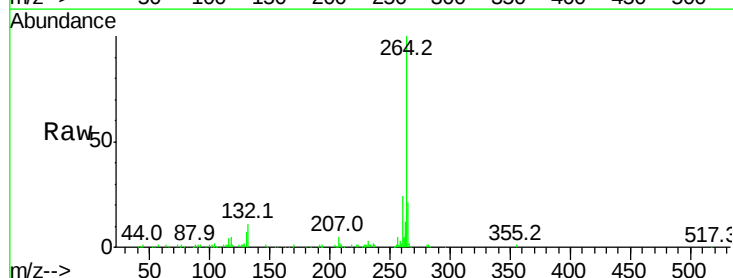
Delta R.T. -0.07 min

Lab File: BG028799.D

Acq: 18 Sep 2017 17:40

Tgt Ion:264 Resp: 267154

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.9  | 21.8  | 32.8  |
| 265 | 21.3  | 18.2  | 27.4  |



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

