

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080318\  
 Data File : BG036095.D  
 Acq On : 3 Aug 2018 15:38  
 Operator : JU/SJ  
 Sample : PB111728BL  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB111728BL

Quant Time: Aug 03 18:51:35 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG071218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 31 12:30:06 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.02  | 152  | 30494    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.83 | 136  | 107415   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.65 | 164  | 76372    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.39 | 188  | 201815   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.66 | 240  | 245001   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 24.86 | 264  | 223612   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 227925   | 124.09 | ng    | 0.00     |
| 7) Phenol-d6                | 7.19  | 99   | 318565   | 116.25 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.18  | 82   | 212297   | 82.56  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.14 | 330  | 122414   | 121.61 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.27 | 172  | 504188   | 88.45  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.00 | 244  | 1029432  | 92.62  | ng    | 0.00     |

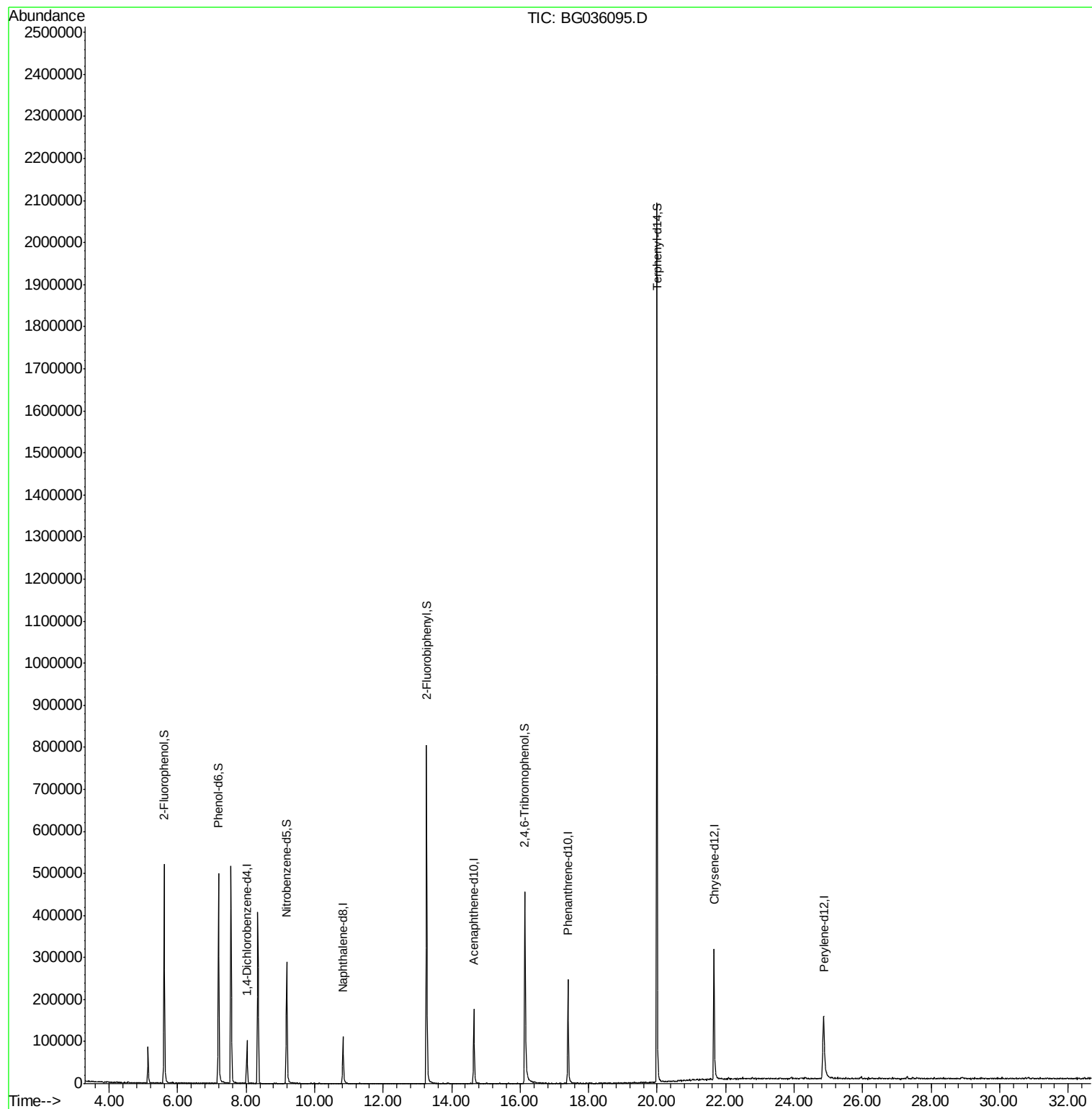
Target Compounds Qvalue

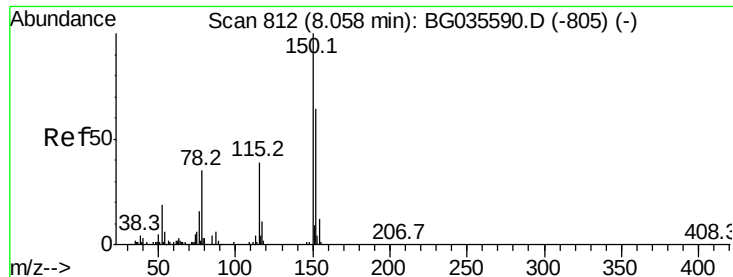
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jul 31 12:30:06 2018  
Response via : Initial Calibration



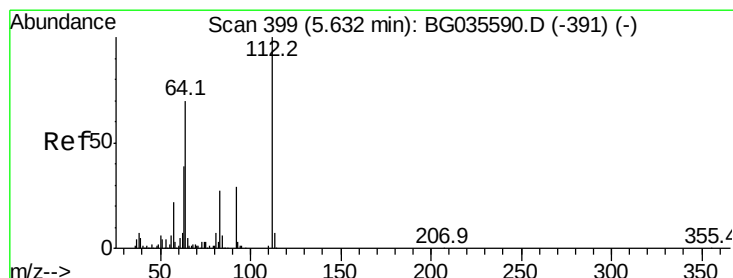
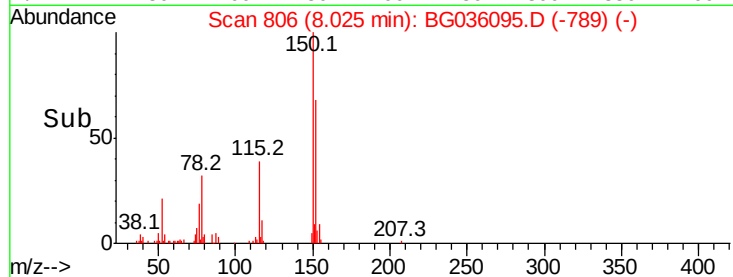
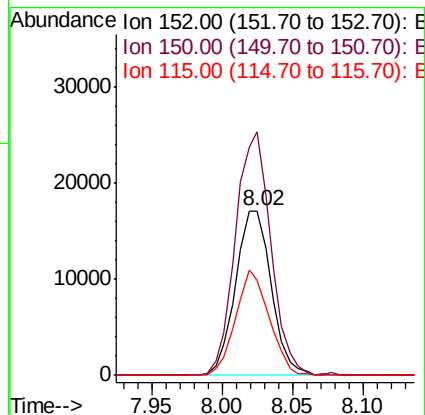
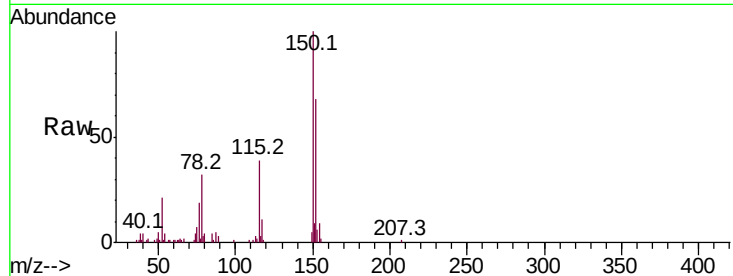


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.02 min Scan# 806  
Delta R.T. 0.00 min  
Lab File: BG036095.D  
Acq: 3 Aug 2018 15:38

Instrument :  
BNA\_G  
ClientSampleId :  
PB111728BL

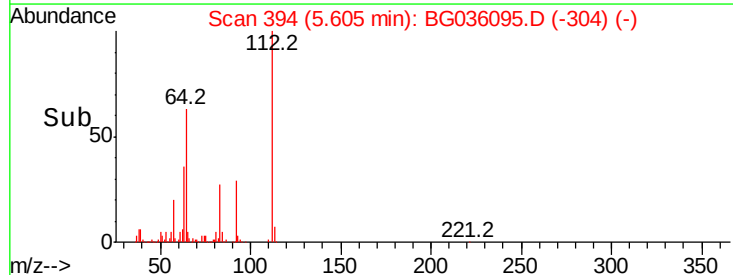
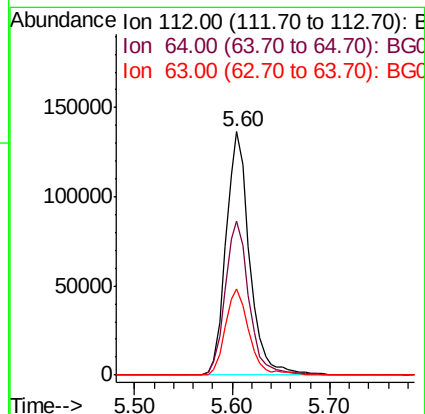
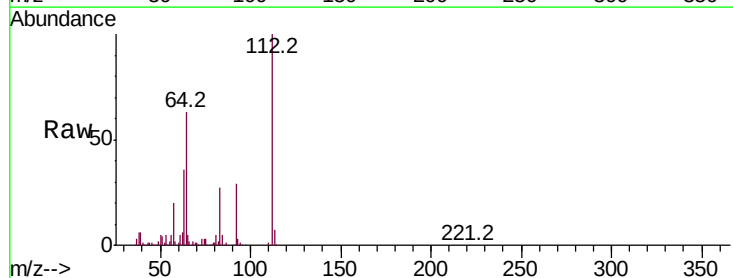
Tot Ion:152 Resp: 30494  
Ion Ratio Lower Upper  
152 100  
150 147.7 126.6 189.8  
115 57.5 53.0 79.4

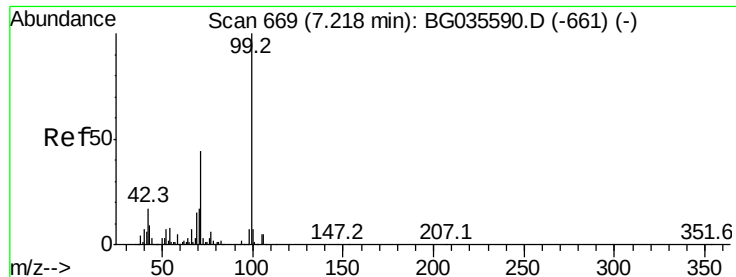


#5

2-Fluorophenol  
Concen: 124.093 ng  
RT: 5.60 min Scan# 394  
Delta R.T. 0.00 min  
Lab File: BG036095.D  
Acq: 3 Aug 2018 15:38

Tgt Ion:112 Resp: 227925  
Ion Ratio Lower Upper  
112 100  
64 63.4 56.3 84.5  
63 35.6 30.1 45.1





#7

Phenol-d6

Concen: 116.249 ng

RT: 7.19 min Scan# 664

Delta R.T. -0.01 min

Lab File: BG036095.D

Acq: 3 Aug 2018 15:38

Instrument :

BNA\_G

ClientSampleId :

PB111728BL

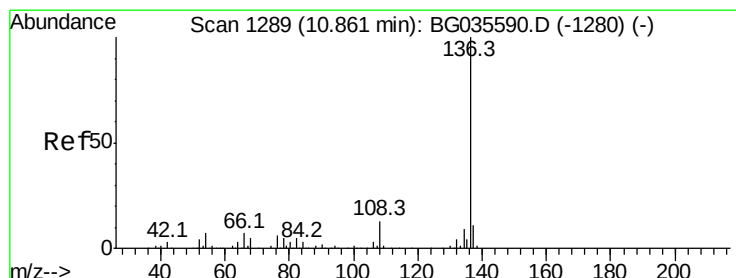
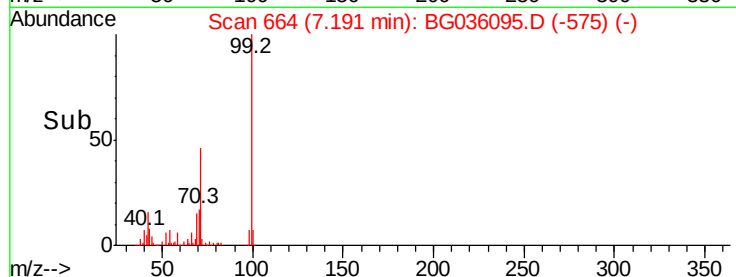
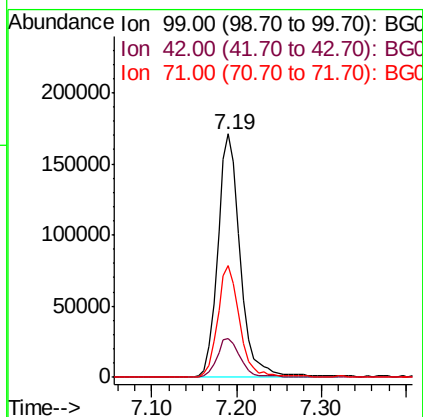
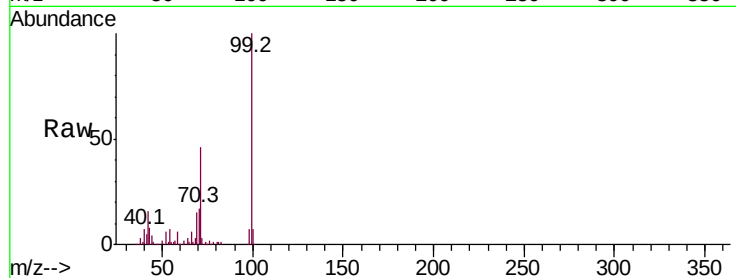
Tot Ion: 99 Resp: 318565

Ion Ratio Lower Upper

99 100

42 16.0 14.1 21.1

71 46.1 26.1 39.1#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.83 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BG036095.D

Acq: 3 Aug 2018 15:38

Tgt Ion: 136 Resp: 107415

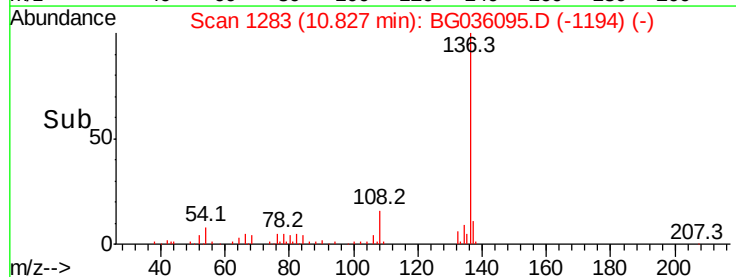
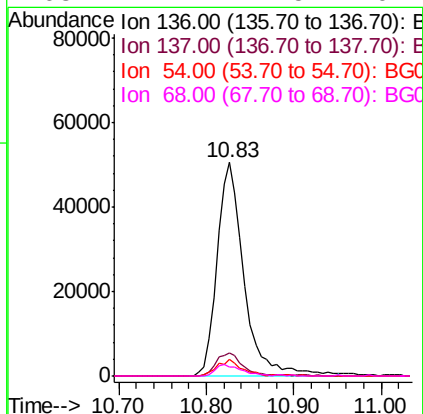
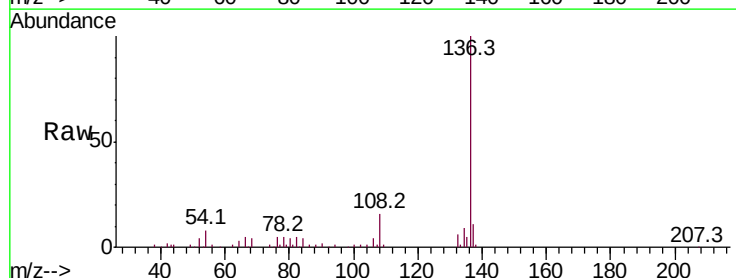
Ion Ratio Lower Upper

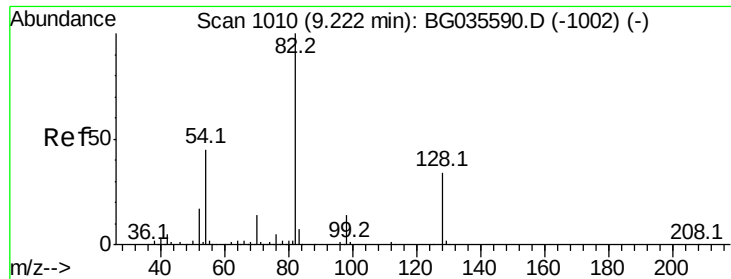
136 100

137 10.5 9.2 13.8

54 7.9 10.3 15.5#

68 4.4 4.5 6.7#

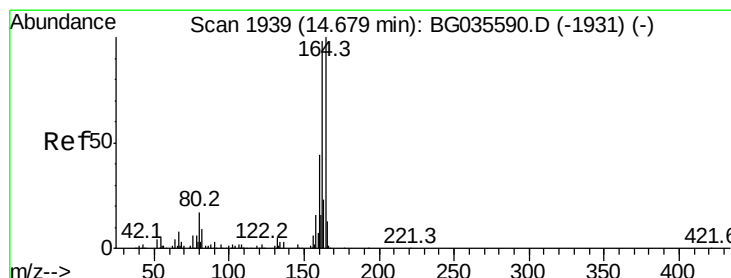
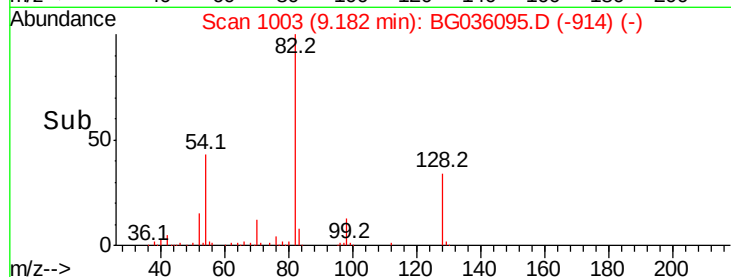
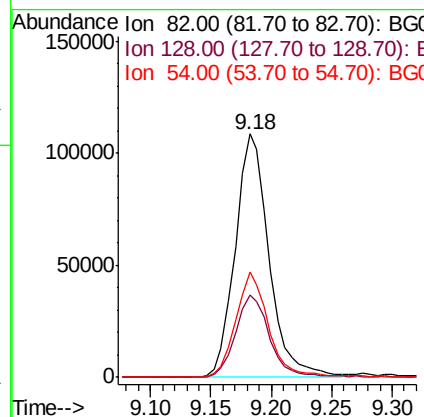
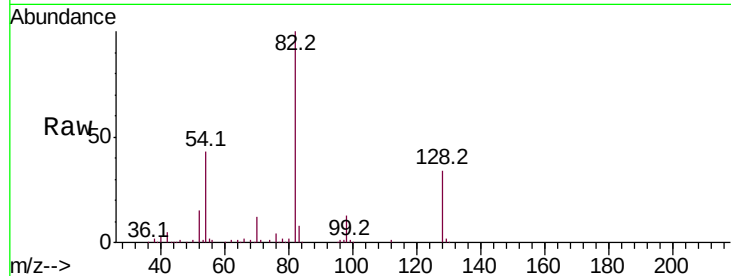




#23  
 Nitrobenzene-d5  
 Concen: 82.564 ng  
 RT: 9.18 min Scan# 1003  
 Delta R.T. -0.01 min  
 Lab File: BG036095.D  
 Acq: 3 Aug 2018 15:38

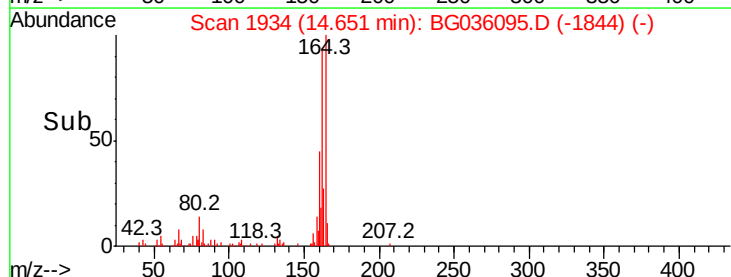
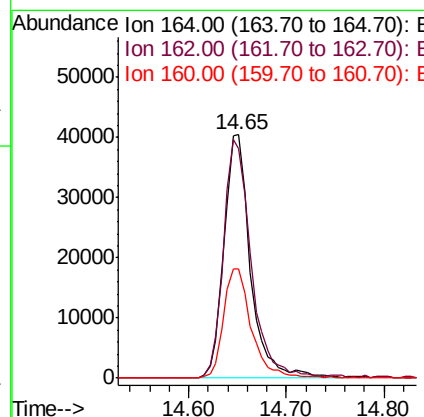
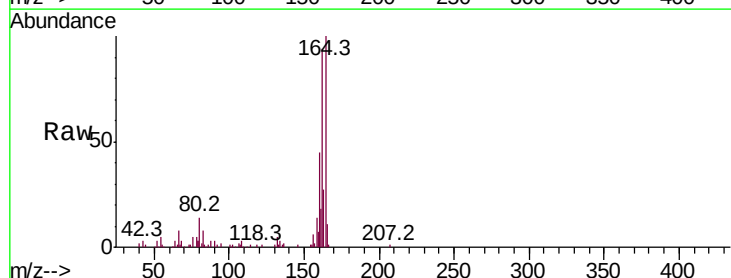
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB111728BL

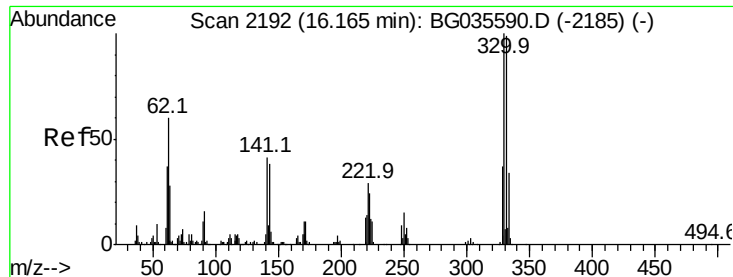
| Tot Ion   | 82   | Resp  | 212297 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 33.8 | 29.7  | 44.5   |
| 54        | 43.5 | 43.1  | 64.7   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.65 min Scan# 1934  
 Delta R.T. 0.00 min  
 Lab File: BG036095.D  
 Acq: 3 Aug 2018 15:38

| Tgt Ion                                              | 164  | Resp  | 76372 |
|------------------------------------------------------|------|-------|-------|
| Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td> | 100  | Lower | Upper |
| 162                                                  | 94.4 | 78.8  | 118.2 |
| 160                                                  | 44.6 | 35.4  | 53.0  |

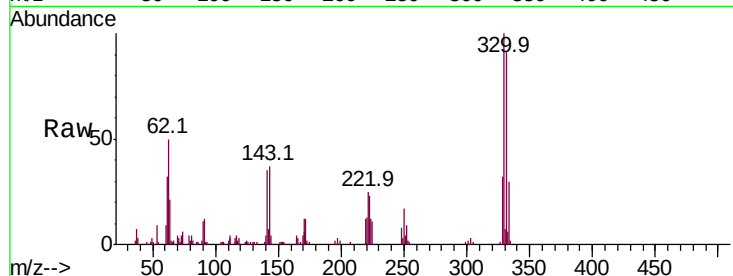




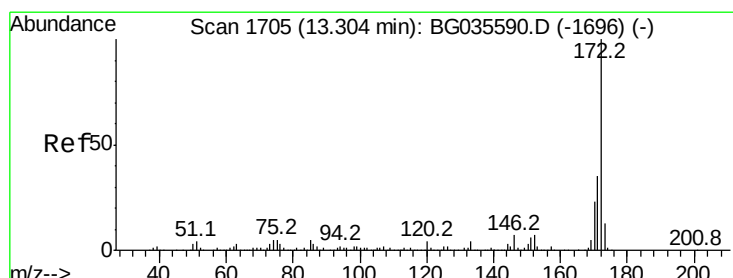
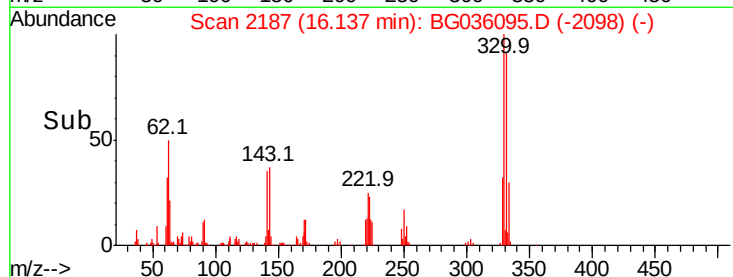
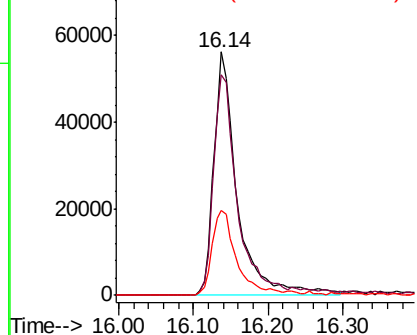
#41  
 2,4,6-Tribromophenol  
 Concen: 121.607 ng  
 RT: 16.14 min Scan# 2187  
 Delta R.T. -0.01 min  
 Lab File: BG036095.D  
 Acq: 3 Aug 2018 15:38

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB111728BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 90.6  | 77.0  | 115.6 |
| 141     | 37.1  | 25.2  | 37.8  |

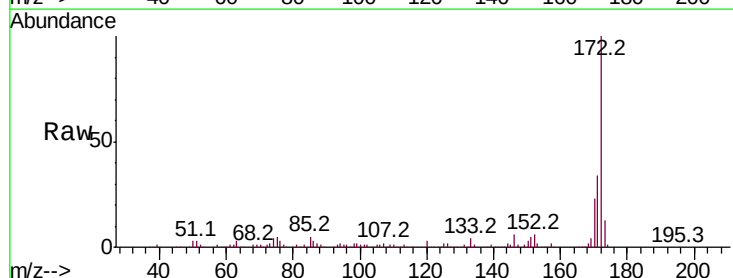


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

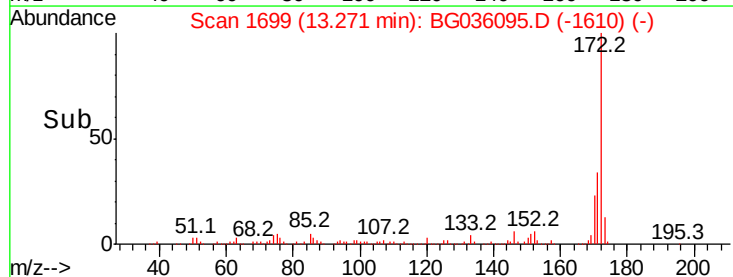
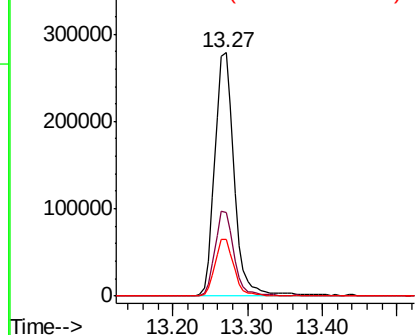


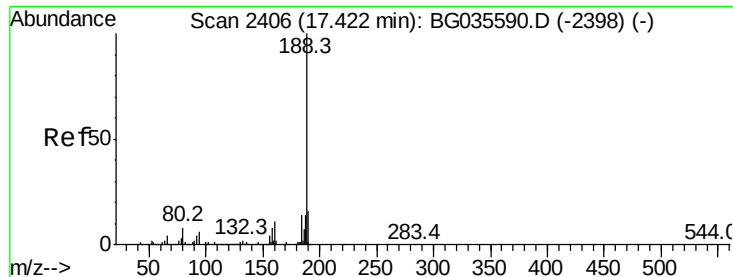
#44  
 2-Fluorobiphenyl  
 Concen: 88.446 ng  
 RT: 13.27 min Scan# 1699  
 Delta R.T. -0.01 min  
 Lab File: BG036095.D  
 Acq: 3 Aug 2018 15:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.4  | 30.0  | 45.0  |
| 170     | 23.3  | 19.5  | 29.3  |



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

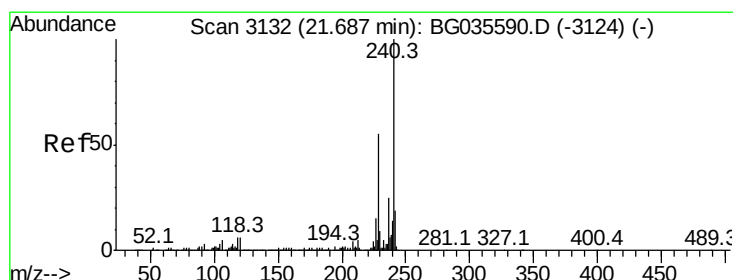
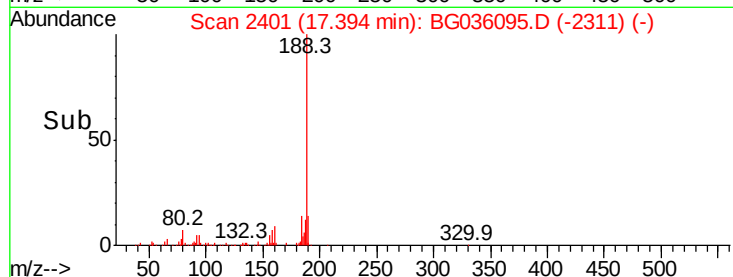
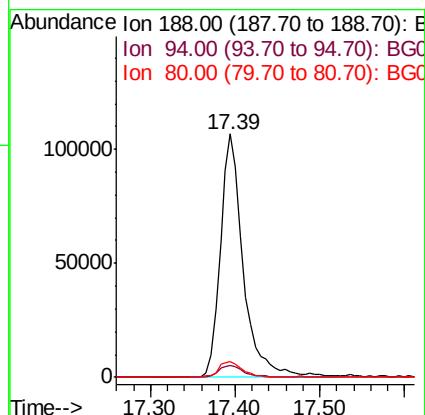
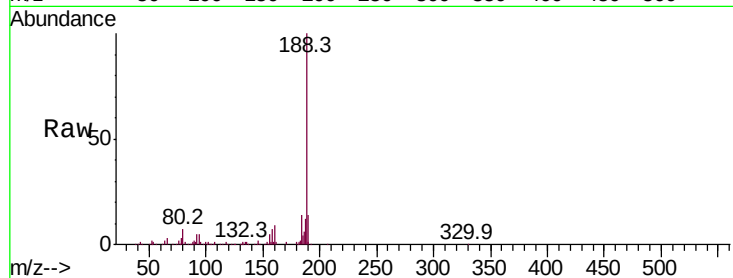




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.39 min Scan# 2401  
Delta R.T. 0.00 min  
Lab File: BG036095.D  
Acq: 3 Aug 2018 15:38

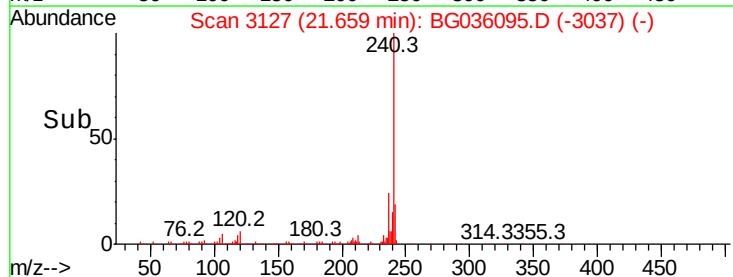
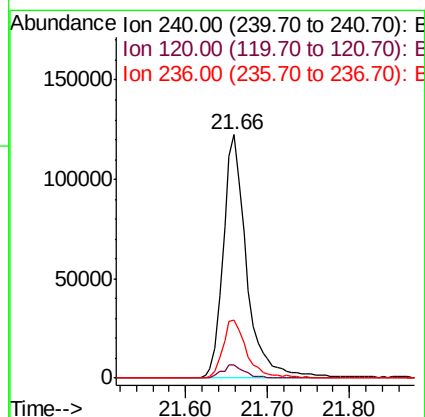
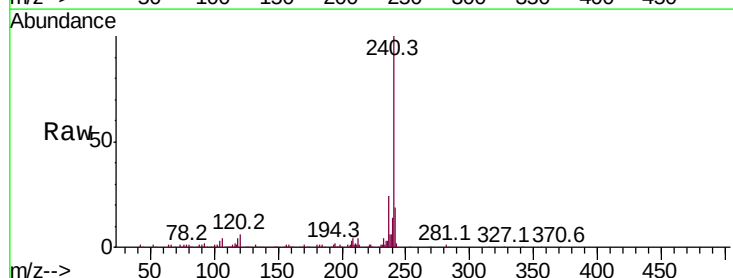
Instrument :  
BNA\_G  
ClientSampleId :  
PB111728BL

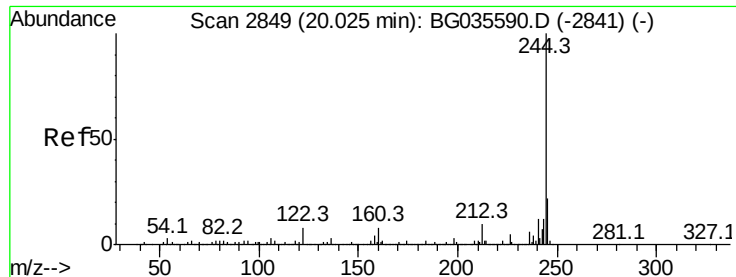
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 5.1   | 6.9   | 10.3# |
| 80      | 6.7   | 7.7   | 11.5# |



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.66 min Scan# 3127  
Delta R.T. 0.00 min  
Lab File: BG036095.D  
Acq: 3 Aug 2018 15:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 5.7   | 6.8   | 10.2# |
| 236     | 23.8  | 20.9  | 31.3  |





#78

Terphenyl-d14

Concen: 92.619 ng

RT: 20.00 min Scan# 2844

Delta R.T. -0.01 min

Lab File: BG036095.D

Acq: 3 Aug 2018 15:38

Instrument :

BNA\_G

ClientSampleId :

PB111728BL

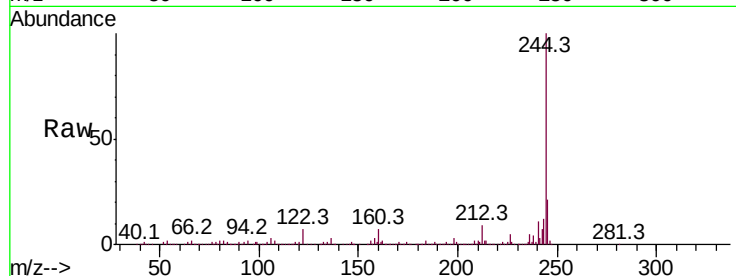
Tot Ion:244 Resp: 1029432

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

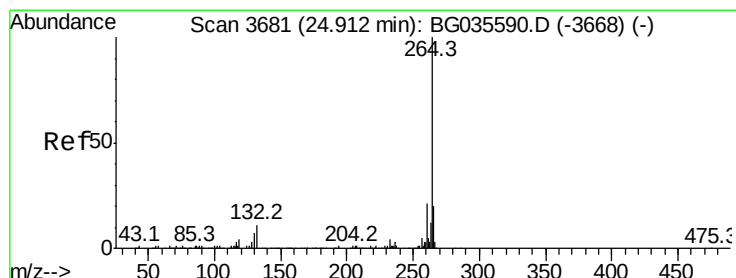
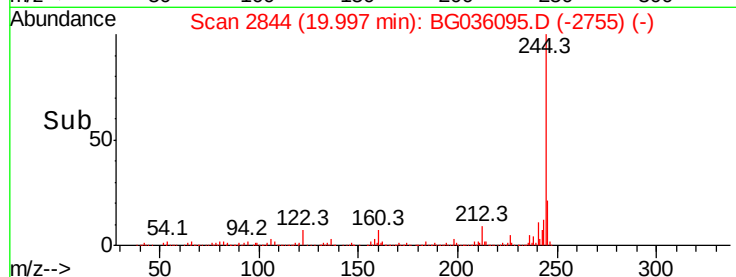
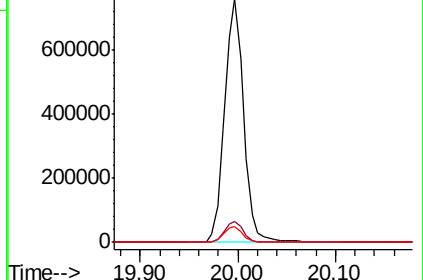
122 6.7 7.0 10.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 24.86 min Scan# 3672

Delta R.T. 0.00 min

Lab File: BG036095.D

Acq: 3 Aug 2018 15:38

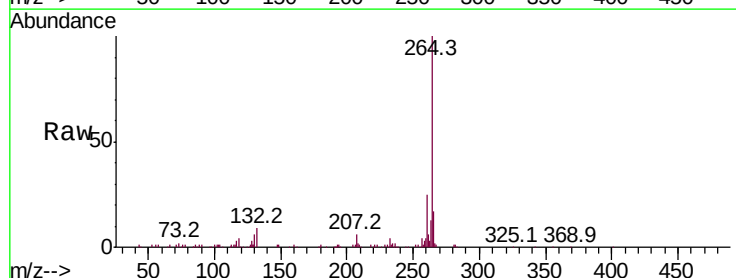
Tgt Ion:264 Resp: 223612

Ion Ratio Lower Upper

264 100

260 24.6 17.4 26.0

265 16.7 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

