

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091818\  
 Data File : BG036800.D  
 Acq On : 19 Sep 2018 00:21  
 Operator : JU/SJ  
 Sample : J4922-09  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FIELD-BLANK-091318

Quant Time: Sep 19 07:24:01 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 31 13:03:20 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.05  | 152  | 42849    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.85 | 136  | 177829   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.67 | 164  | 124566   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.42 | 188  | 356873   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.68 | 240  | 378021   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 24.89 | 264  | 371922   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.62  | 112  | 132134   | 48.92  | ng    | 0.00     |
| 7) Phenol-d6                | 7.21  | 99   | 117484   | 30.38  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.21  | 82   | 280722   | 85.65  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.16 | 330  | 228815   | 153.94 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.30 | 172  | 658377   | 75.47  | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.03 | 244  | 1369549  | 84.68  | ng    | 0.00     |

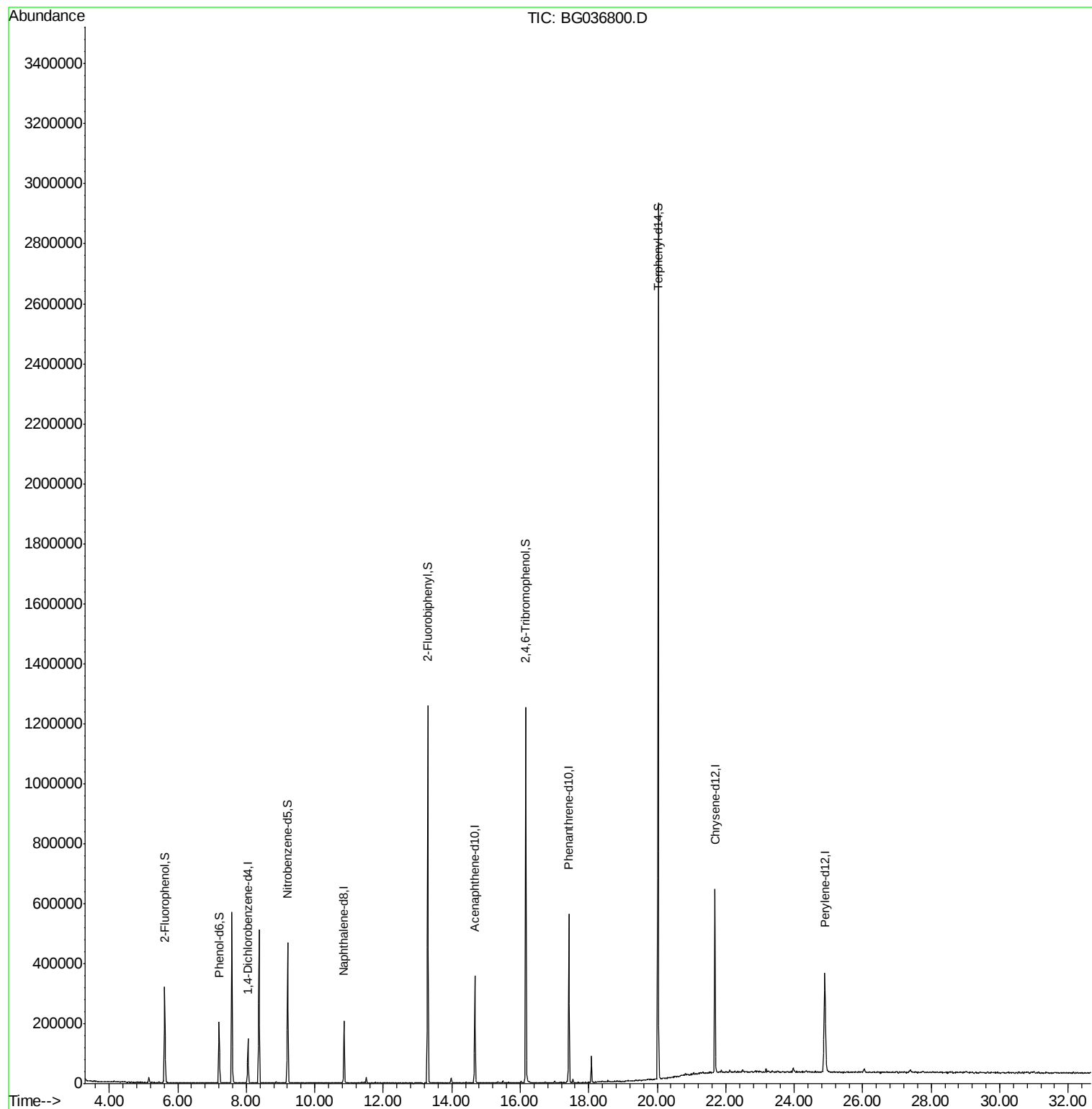
Target Compounds Qvalue

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

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Response via : Initial Calibration



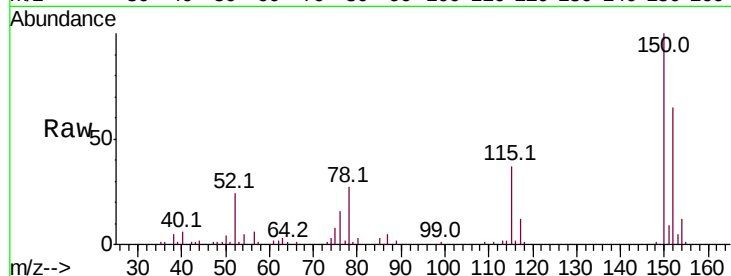


#1

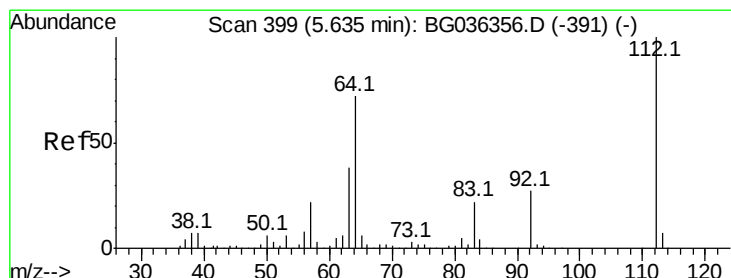
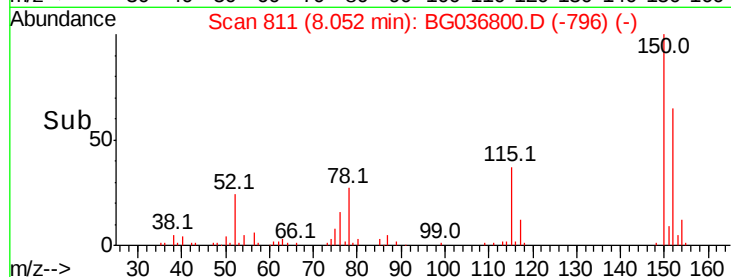
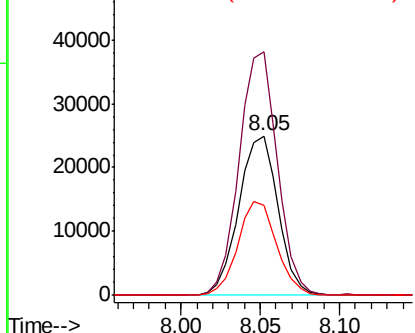
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.05 min Scan# 811  
 Delta R.T. -0.01 min  
 Lab File: BG036800.D  
 Acq: 19 Sep 2018 00:21

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FIELD-BLANK-091318

Tot Ion:152 Resp: 42849  
 Ion Ratio Lower Upper  
 152 100  
 150 152.8 119.5 179.3  
 115 56.2 44.5 66.7



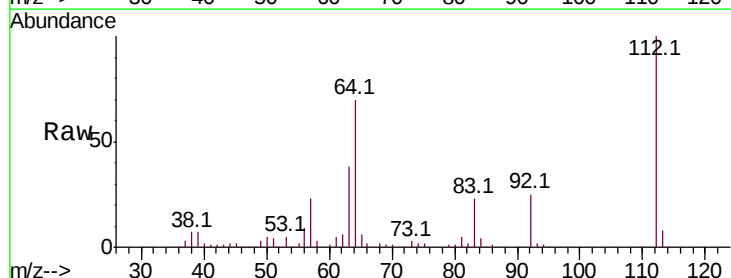
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



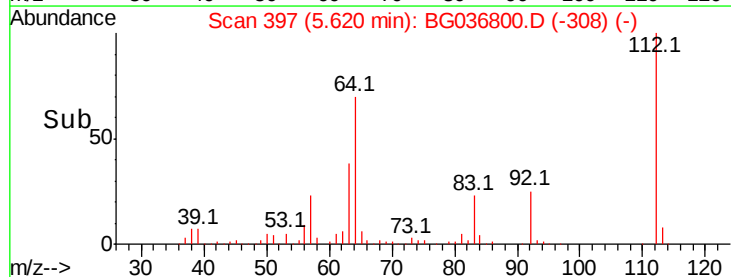
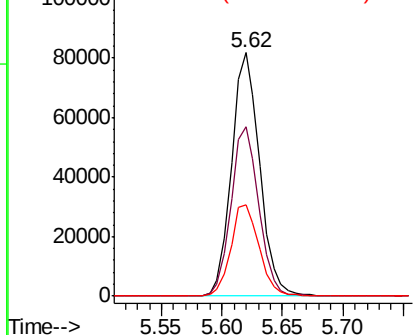
#5

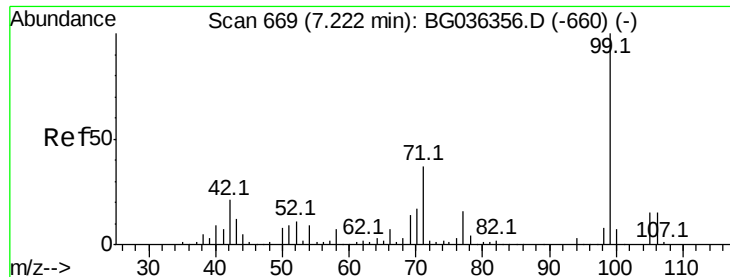
2-Fluorophenol  
 Concen: 48.917 ng  
 RT: 5.62 min Scan# 397  
 Delta R.T. -0.01 min  
 Lab File: BG036800.D  
 Acq: 19 Sep 2018 00:21

Tgt Ion:112 Resp: 132134  
 Ion Ratio Lower Upper  
 112 100  
 64 69.5 57.2 85.8  
 63 37.7 30.8 46.2



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BG  
 Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 30.378 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG036800.D

Acq: 19 Sep 2018 00:21

Instrument :

BNA\_G

ClientSampleId :

FIELD-BLANK-091318

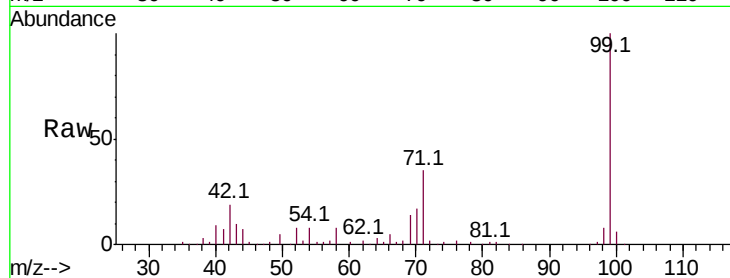
Tot Ion: 99 Resp: 117484

Ion Ratio Lower Upper

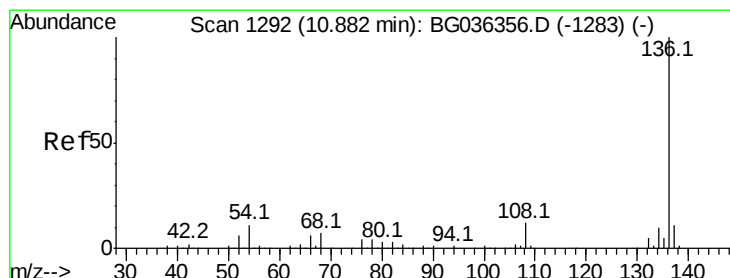
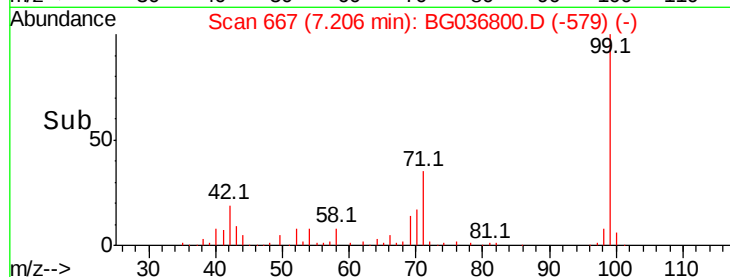
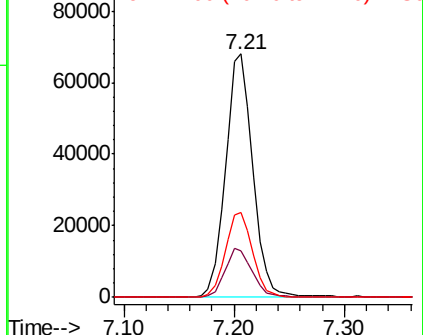
99 100

42 19.1 16.5 24.7

71 34.8 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: 10.85 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BG036800.D

Acq: 19 Sep 2018 00:21

Tgt Ion: 136 Resp: 177829

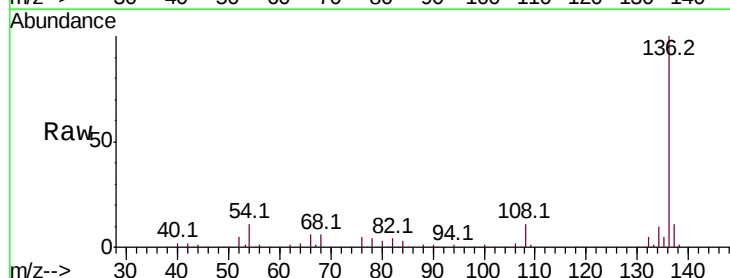
Ion Ratio Lower Upper

136 100

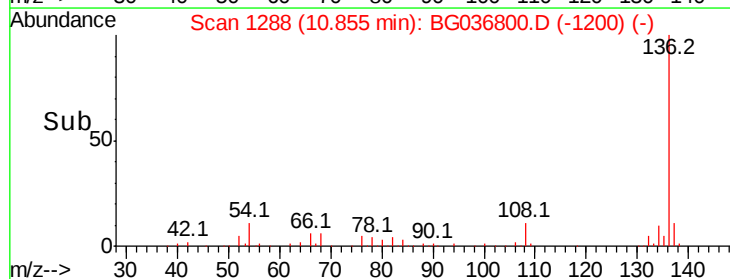
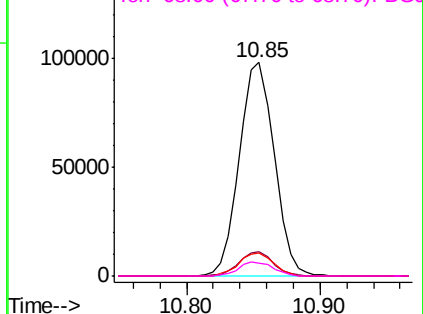
137 11.1 8.8 13.2

54 11.1 9.2 13.8

68 6.2 5.8 8.6



Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

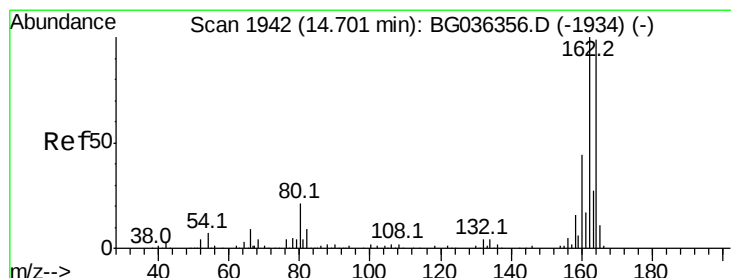
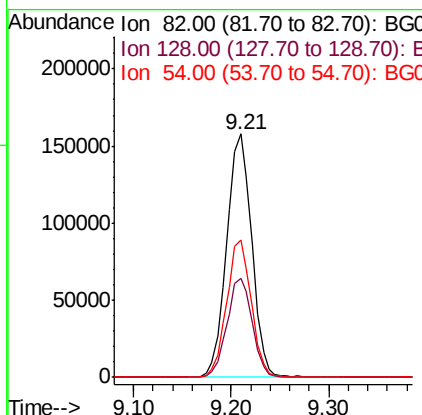
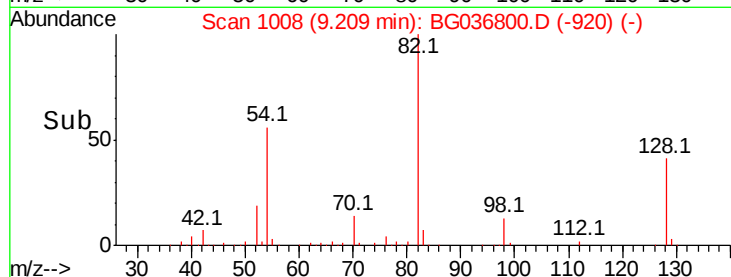
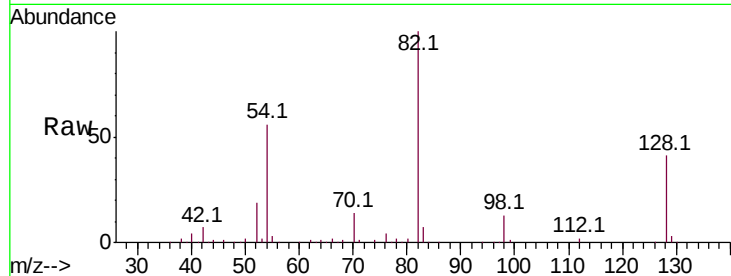




#23  
 Nitrobenzene-d5  
 Concen: 85.650 ng  
 RT: 9.21 min Scan# 1008  
 Delta R.T. -0.01 min  
 Lab File: BG036800.D  
 Acq: 19 Sep 2018 00:21

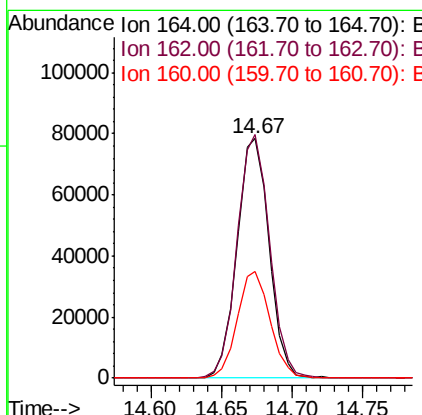
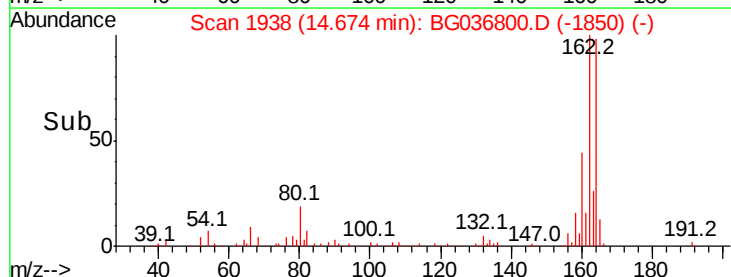
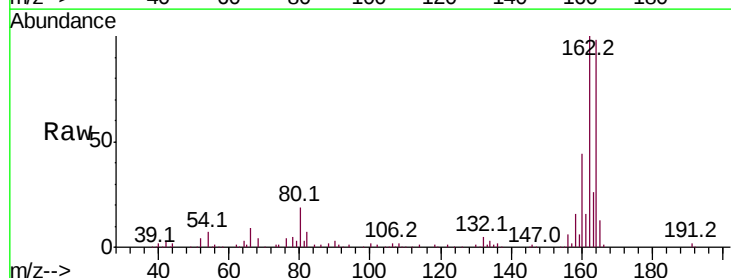
Instrument :  
 BNA\_G  
 ClientSampleId :  
 FIELD-BLANK-091318

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 40.8  | 33.3  | 49.9  |
| 54      | 56.2  | 45.1  | 67.7  |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.67 min Scan# 1938  
 Delta R.T. -0.01 min  
 Lab File: BG036800.D  
 Acq: 19 Sep 2018 00:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.7 | 80.7  | 121.1 |
| 160     | 44.6  | 35.3  | 52.9  |

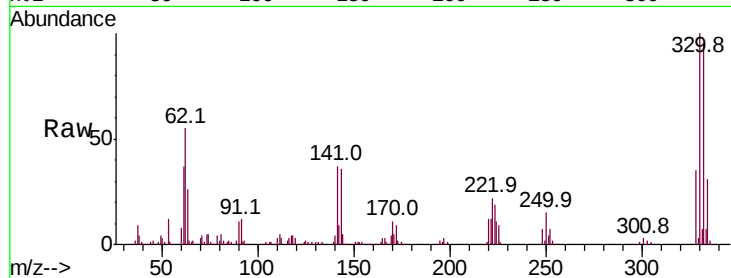




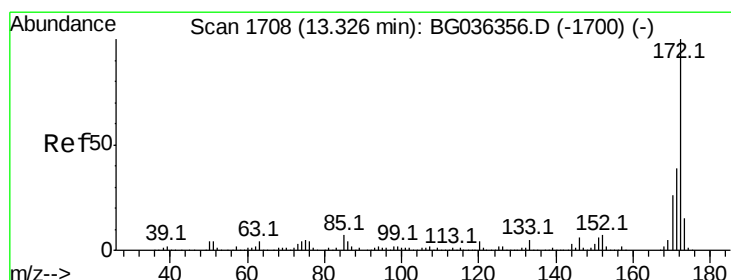
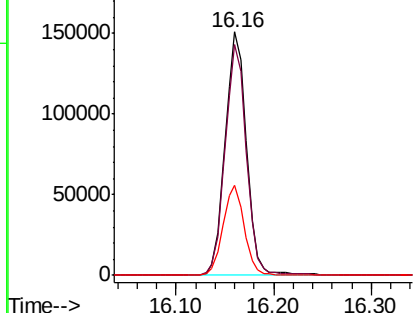
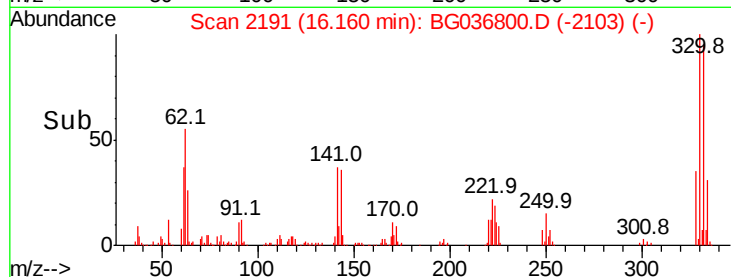
#41  
 2,4,6-Tribromophenol  
 Concen: 153.944 ng  
 RT: 16.16 min Scan# 2191  
 Delta R.T. -0.01 min  
 Lab File: BG036800.D  
 Acq: 19 Sep 2018 00:21

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FIELD-BLANK-091318

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.6  | 75.4  | 113.2 |
| 141     | 36.5  | 30.7  | 46.1  |

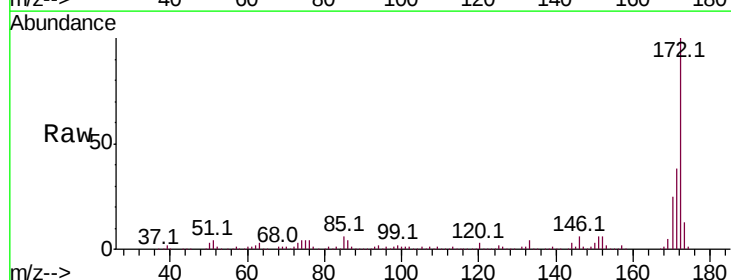


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

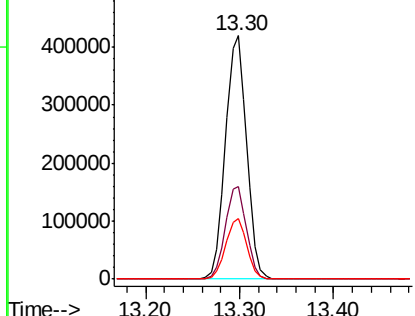
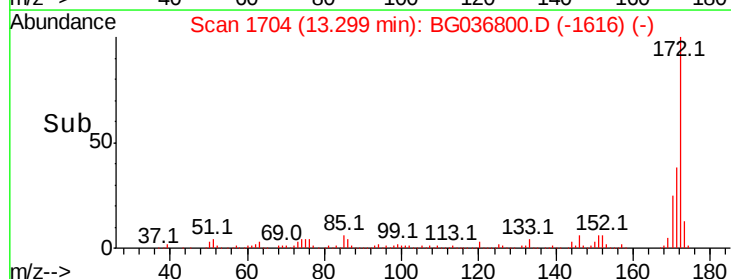


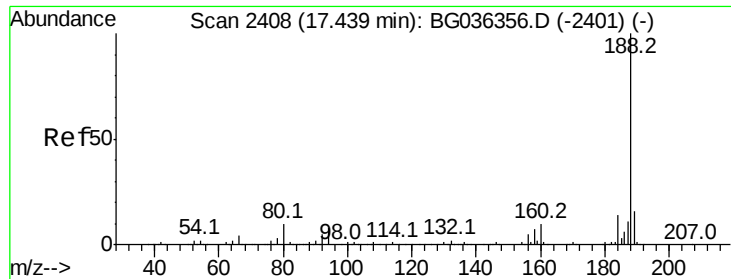
#44  
 2-Fluorobiphenyl  
 Concen: 75.465 ng  
 RT: 13.30 min Scan# 1704  
 Delta R.T. -0.01 min  
 Lab File: BG036800.D  
 Acq: 19 Sep 2018 00:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.8  | 31.3  | 46.9  |
| 170     | 24.9  | 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

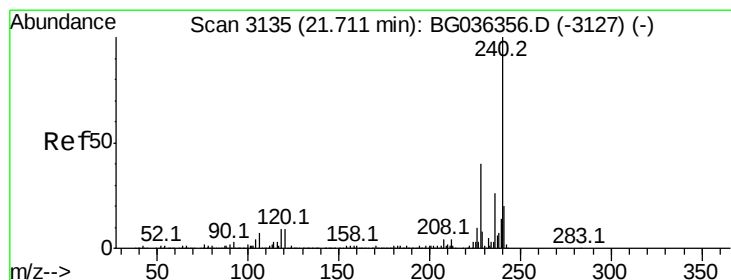
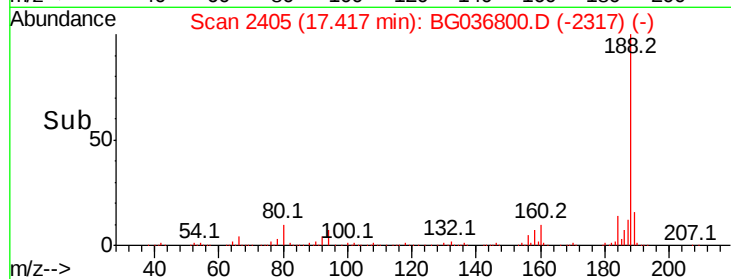
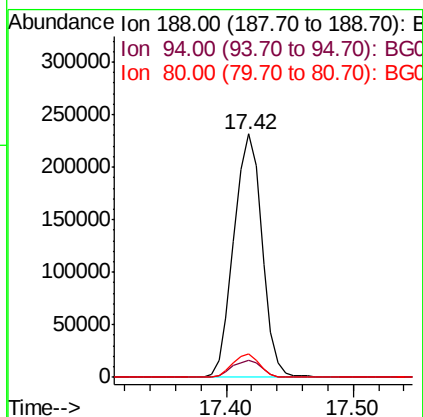
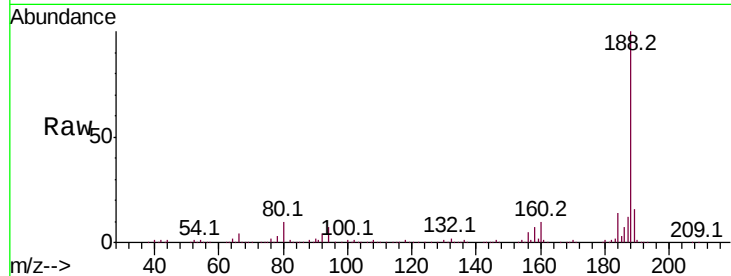




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.42 min Scan# 2405  
Delta R.T. -0.01 min  
Lab File: BG036800.D  
Acq: 19 Sep 2018 00:21

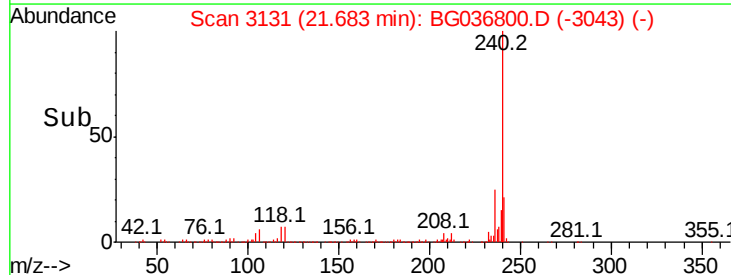
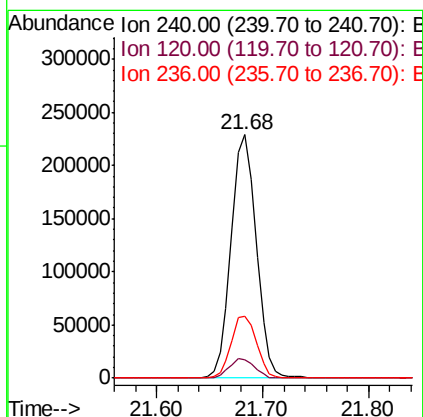
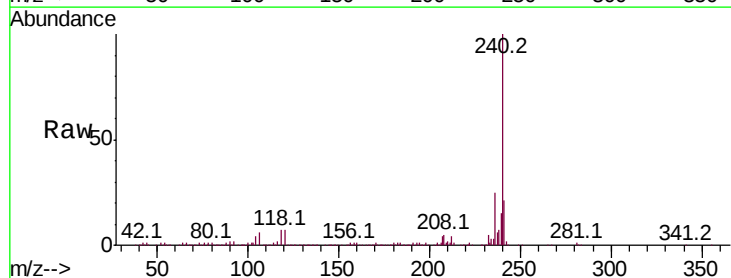
Instrument :  
BNA\_G  
ClientSampleId :  
FIELD-BLANK-091318

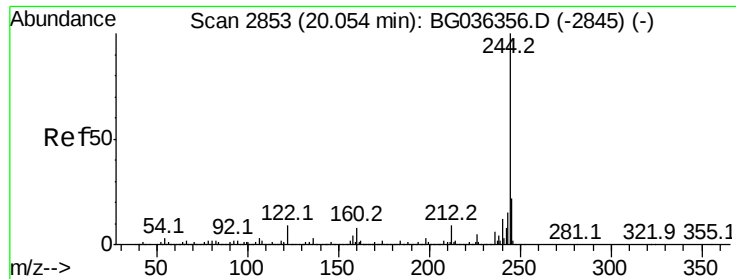
Tot Ion:188 Resp: 356873  
Ion Ratio Lower Upper  
188 100  
94 7.1 6.7 10.1  
80 9.7 8.1 12.1



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.68 min Scan# 3131  
Delta R.T. -0.01 min  
Lab File: BG036800.D  
Acq: 19 Sep 2018 00:21

Tgt Ion:240 Resp: 378021  
Ion Ratio Lower Upper  
240 100  
120 7.4 6.9 10.3  
236 25.2 21.2 31.8





#78

Terphenyl-d14

Concen: 84.681 ng

RT: 20.03 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BG036800.D

Acq: 19 Sep 2018 00:21

Instrument :

BNA\_G

ClientSampleId :

FIELD-BLANK-091318

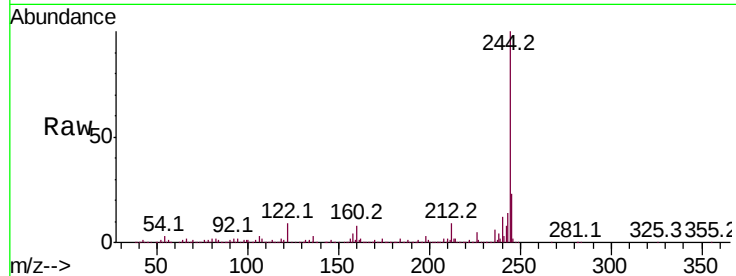
Tot Ion:244 Resp: 1369549

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.8   | 7.0   | 10.6  |
| 122 | 8.8   | 7.1   | 10.7  |

244 100

212 8.8 7.0 10.6

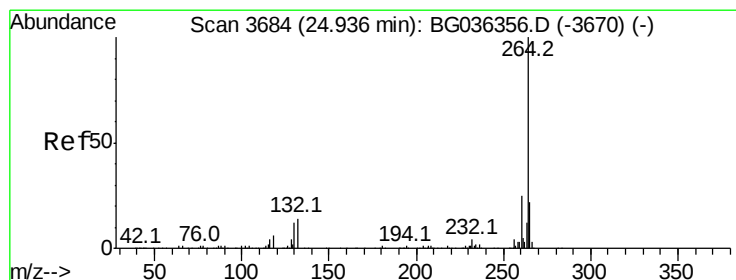
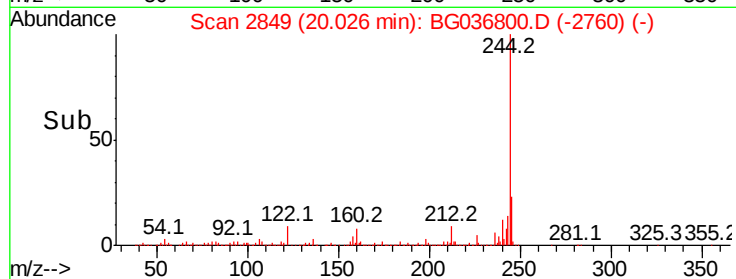
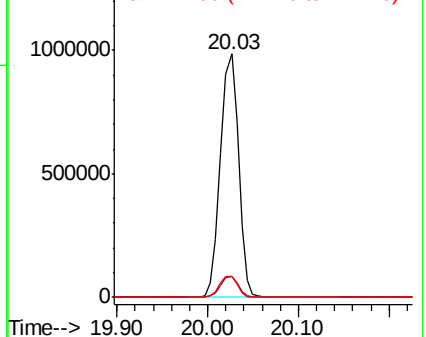
122 8.8 7.1 10.7



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: 24.89 min Scan# 3677

Delta R.T. -0.01 min

Lab File: BG036800.D

Acq: 19 Sep 2018 00:21

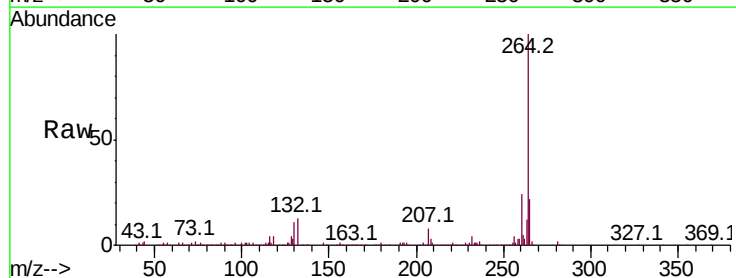
Tgt Ion:264 Resp: 371922

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.7  | 19.6  | 29.4  |
| 265 | 22.0  | 17.4  | 26.0  |

264 100

260 23.7 19.6 29.4

265 22.0 17.4 26.0



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

