

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071020\  
 Data File : BG046004.D  
 Acq On : 10 Jul 2020 13:00  
 Operator : CG/JU  
 Sample : PB130070TB  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB130070TB

Quant Time: Jul 10 13:50:39 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 07 09:58:42 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.00  | 152  | 150204   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.80 | 136  | 581348   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.63 | 164  | 343410   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.36 | 188  | 701791   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.62 | 240  | 659680   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 24.78 | 264  | 639677   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.59  | 112  | 1084063  | 117.04 | ng    | 0.00     |
| 7) Phenol-d6                | 7.16  | 99   | 1482620  | 111.18 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.16  | 82   | 1006614  | 99.66  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.11 | 330  | 399634   | 125.39 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.25 | 172  | 1875741  | 85.20  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.98 | 244  | 2577526  | 86.96  | ng    | 0.00     |

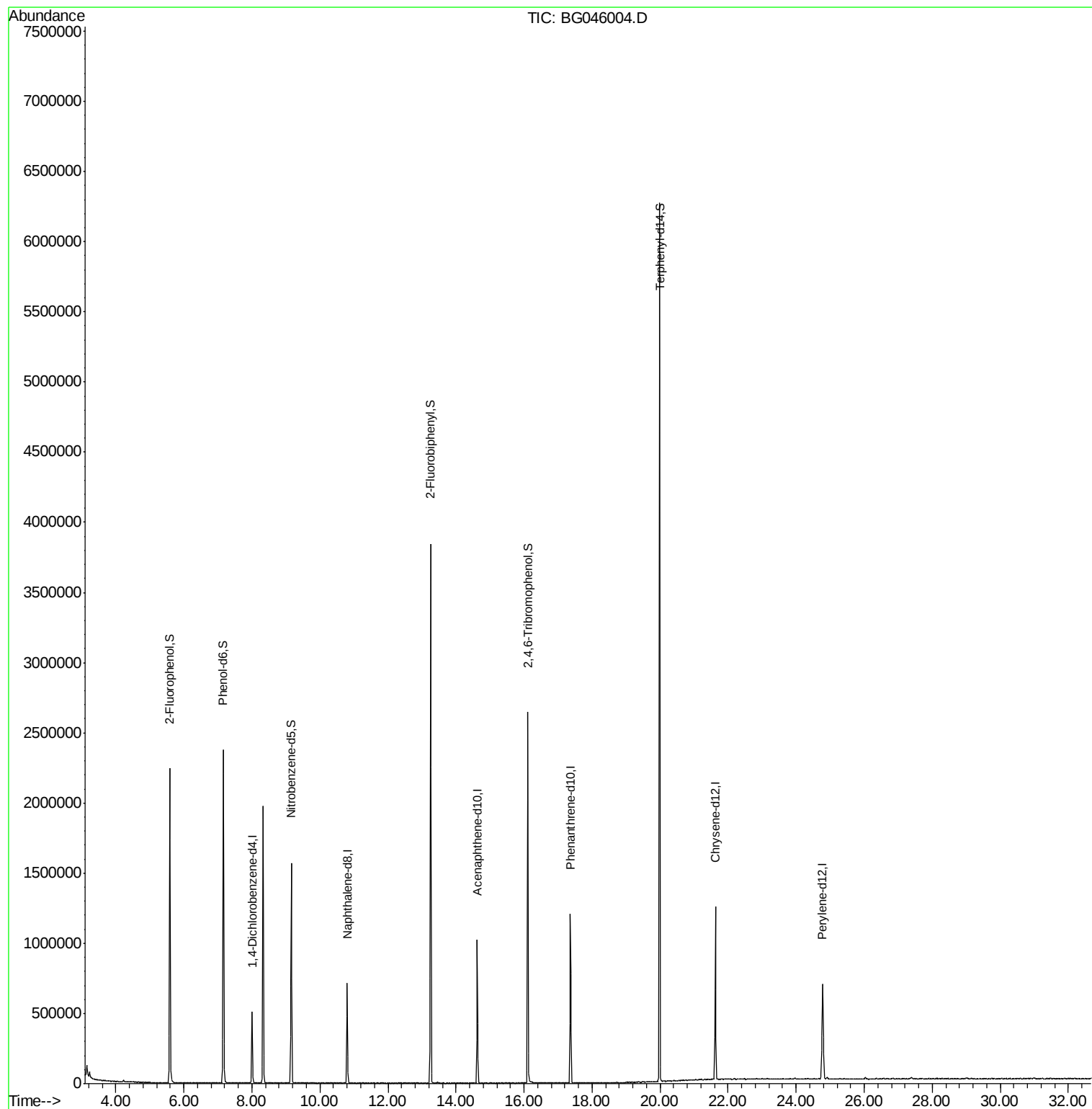
Target Compounds Qvalue

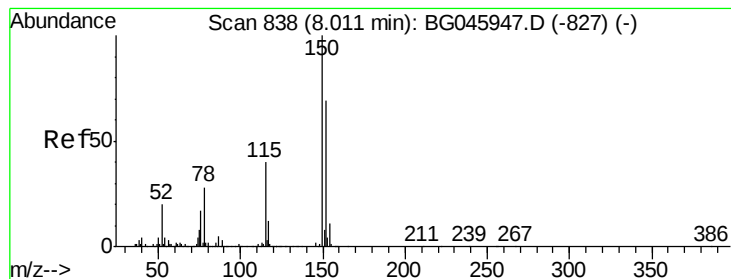
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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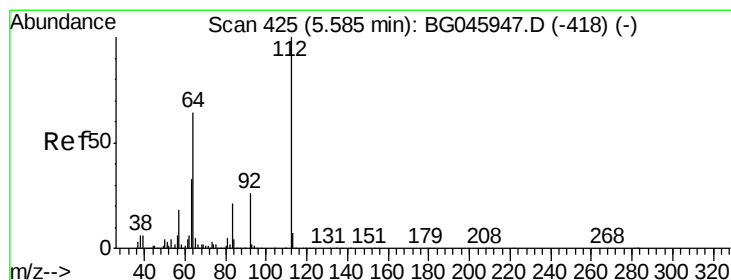
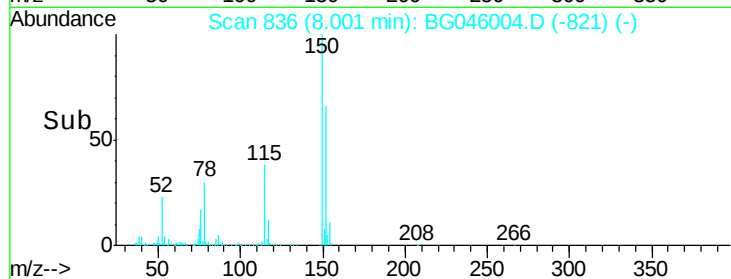
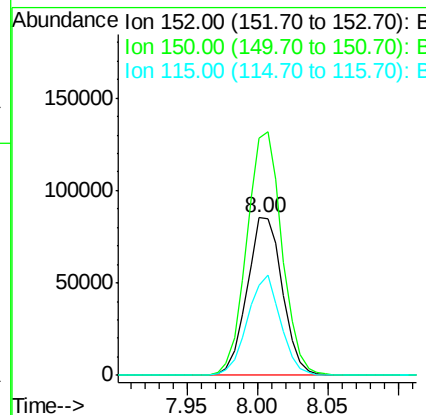
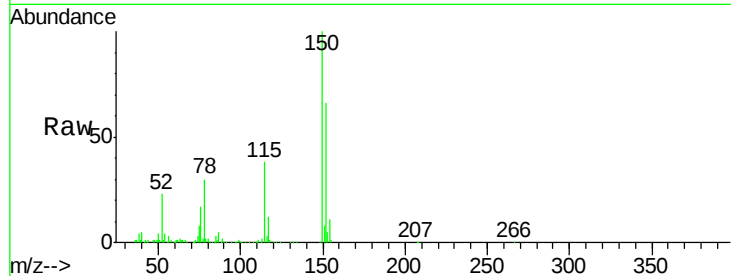


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.00 min Scan# 836  
Delta R.T. -0.01 min  
Lab File: BG046004.D  
Acq: 10 Jul 2020 13:00

Instrument :  
BNA\_G  
ClientSampleId :  
PB130070TB

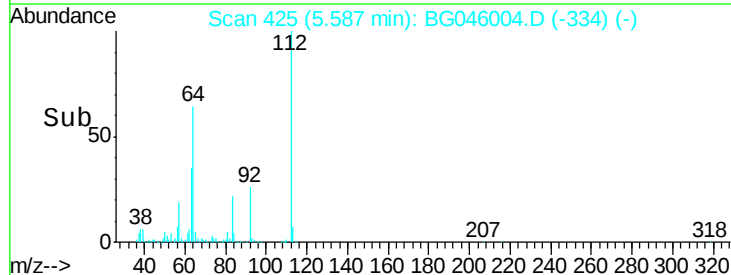
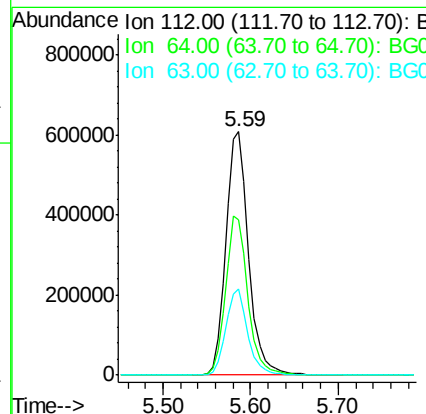
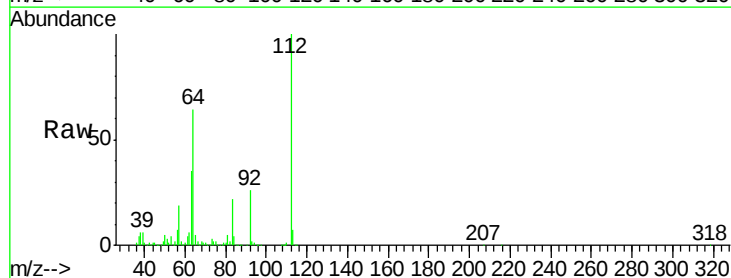
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 151.1 | 116.7 | 175.1 |
| 115     | 57.5  | 47.4  | 71.0  |

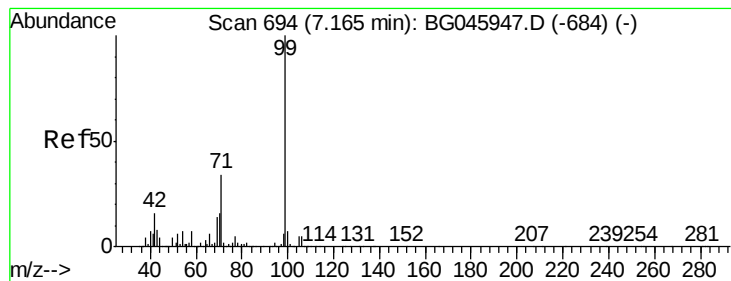


#5

2-Fluorophenol  
Concen: 117.040 ng  
RT: 5.59 min Scan# 425  
Delta R.T. 0.00 min  
Lab File: BG046004.D  
Acq: 10 Jul 2020 13:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 63.7  | 51.4  | 77.2  |
| 63      | 35.5  | 26.6  | 40.0  |





#7

Phenol-d6

Concen: 111.182 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.00 min

Lab File: BG046004.D

Acq: 10 Jul 2020 13:00

Instrument :

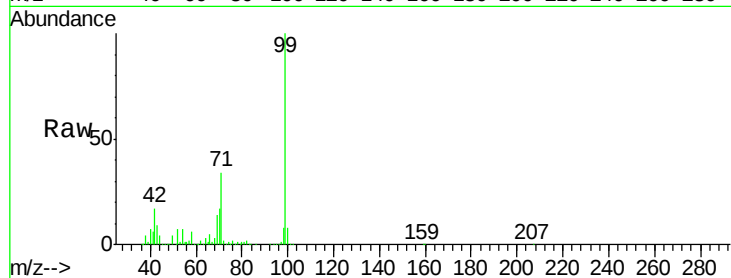
BNA\_G

ClientSampleId :

PB130070TB

Tot Ion: 99 Resp: 1482620

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.3  | 13.0  | 19.4  |
| 71  | 34.3  | 27.5  | 41.3  |

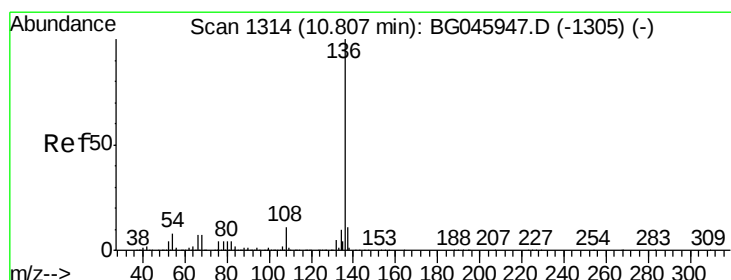
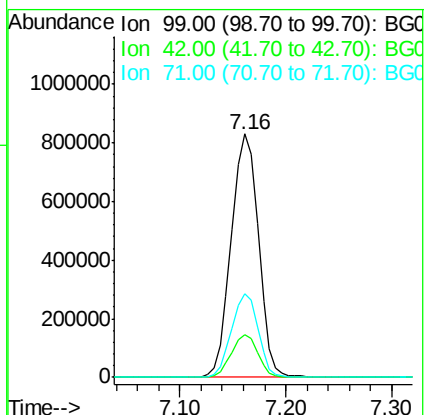
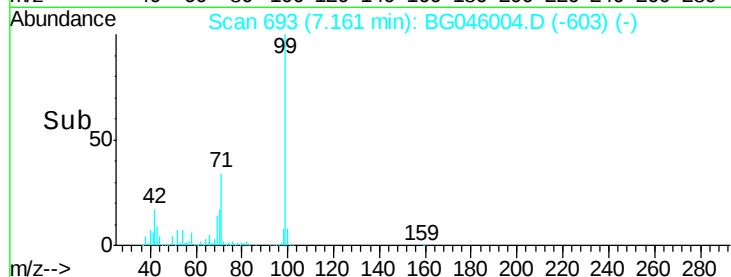


Abundance

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: 10.80 min Scan# 1313

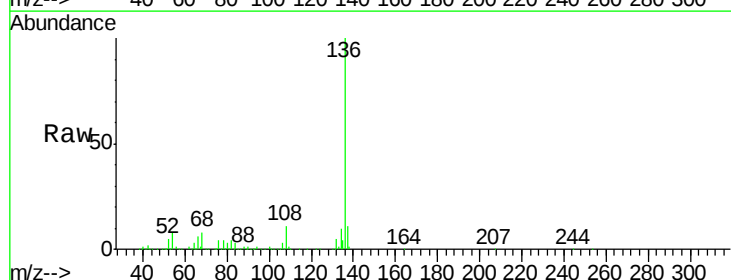
Delta R.T. -0.00 min

Lab File: BG046004.D

Acq: 10 Jul 2020 13:00

Tgt Ion: 136 Resp: 581348

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.2  | 9.2   | 13.8  |
| 54  | 7.9   | 6.2   | 9.4   |
| 68  | 7.9   | 5.8   | 8.8   |



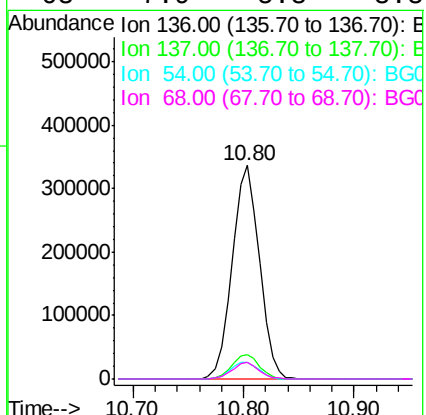
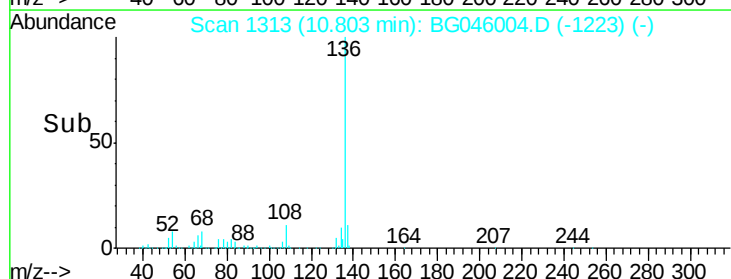
Abundance

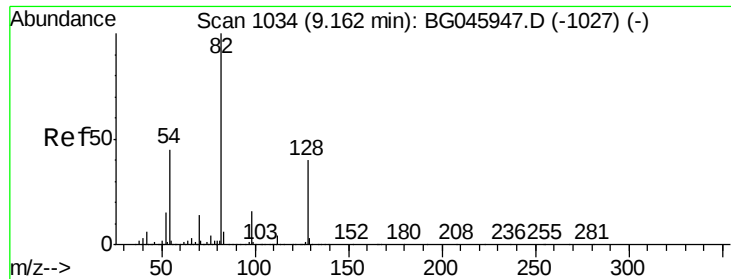
Ion 136.00 (135.70 to 136.70): BGC

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

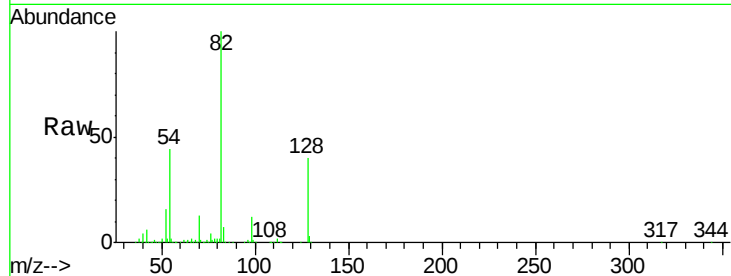




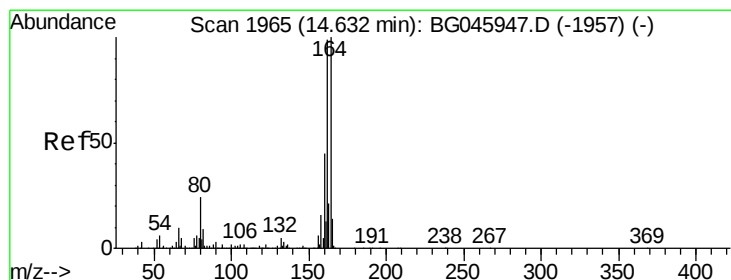
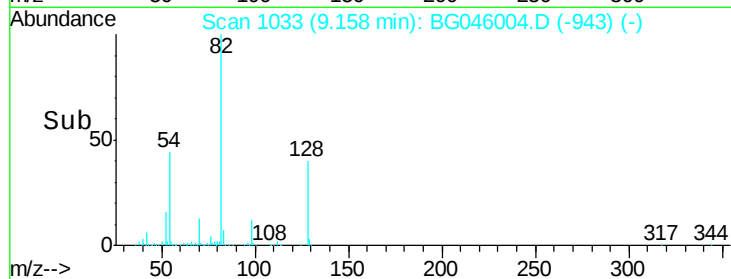
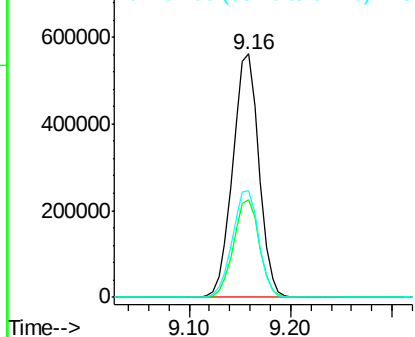
#23  
 Nitrobenzene-d5  
 Concen: 99.663 ng  
 RT: 9.16 min Scan# 1033  
 Delta R.T. -0.00 min  
 Lab File: BG046004.D  
 Acq: 10 Jul 2020 13:00

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB130070TB

Tot Ion: 82 Resp: 1006614  
 Ion Ratio Lower Upper  
 82 100  
 128 40.2 32.2 48.4  
 54 43.9 35.8 53.6

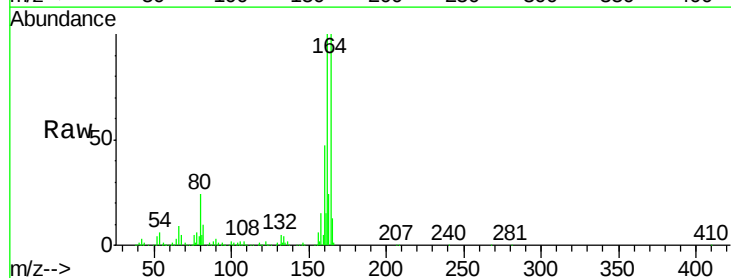


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

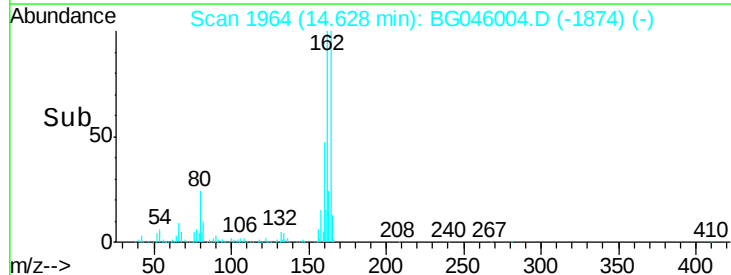
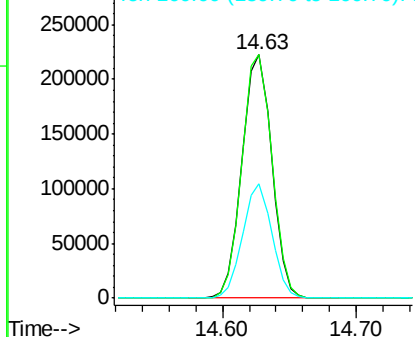


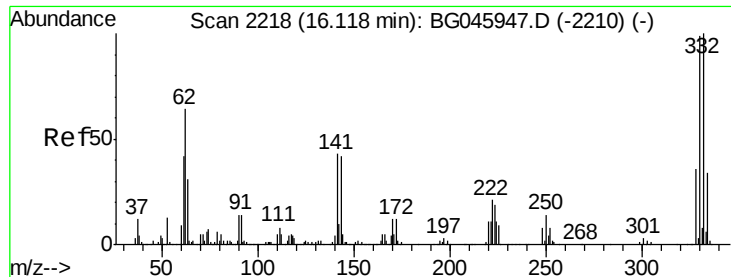
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.63 min Scan# 1964  
 Delta R.T. -0.00 min  
 Lab File: BG046004.D  
 Acq: 10 Jul 2020 13:00

Tgt Ion: 164 Resp: 343410  
 Ion Ratio Lower Upper  
 164 100  
 162 100.0 79.3 118.9  
 160 47.0 35.7 53.5



Abundance Ion 164.00 (163.70 to 164.70): BGC  
 Ion 162.00 (161.70 to 162.70): BGC  
 Ion 160.00 (159.70 to 160.70): BGC

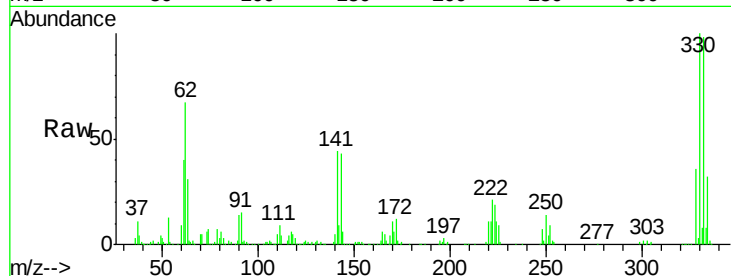




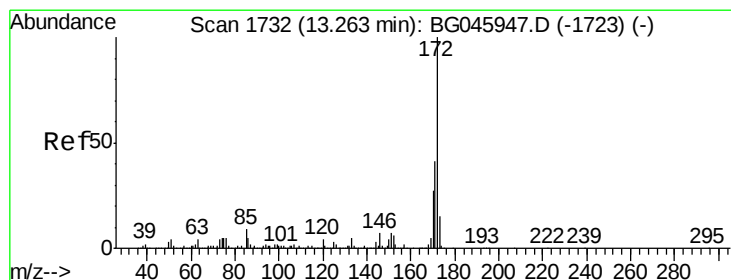
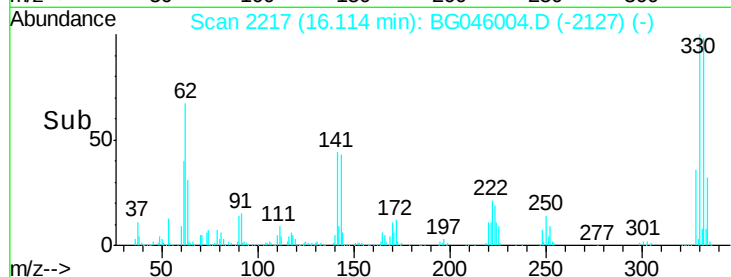
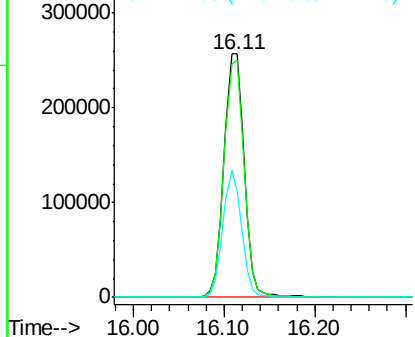
#42  
 2,4,6-Tribromophenol  
 Concen: 125.387 ng  
 RT: 16.11 min Scan# 2217  
 Delta R.T. -0.00 min  
 Lab File: BG046004.D  
 Acq: 10 Jul 2020 13:00

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB130070TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.6  | 78.3  | 117.5 |
| 141     | 48.4  | 36.6  | 54.8  |

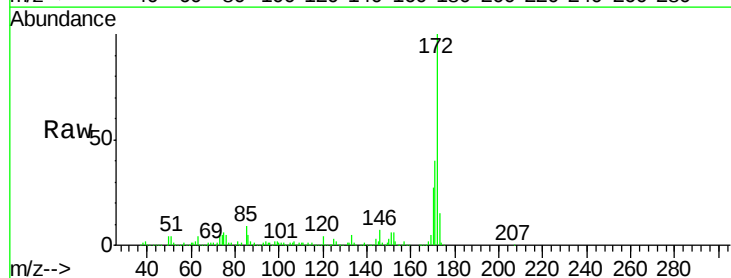


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

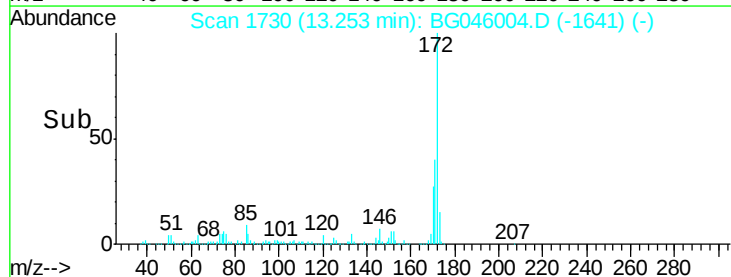
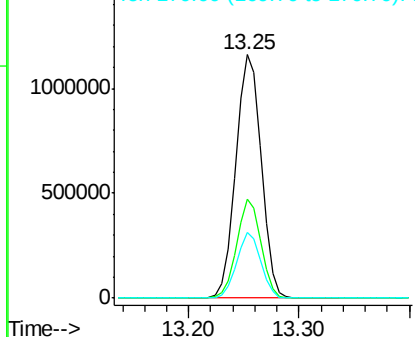


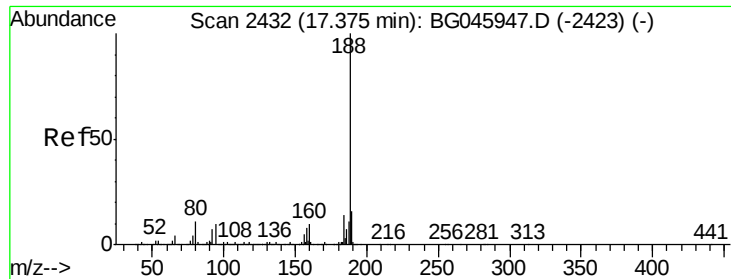
#45  
 2-Fluorobiphenyl  
 Concen: 85.199 ng  
 RT: 13.25 min Scan# 1730  
 Delta R.T. -0.01 min  
 Lab File: BG046004.D  
 Acq: 10 Jul 2020 13:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 40.4  | 32.9  | 49.3  |
| 170     | 27.1  | 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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.36 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BG046004.D

Acq: 10 Jul 2020 13:00

Instrument :

BNA\_G

ClientSampleId :

PB130070TB

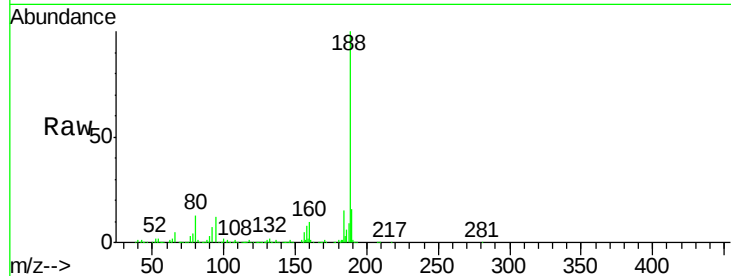
Tot Ion:188 Resp: 701791

Ion Ratio Lower Upper

188 100

94 11.7 8.2 12.4

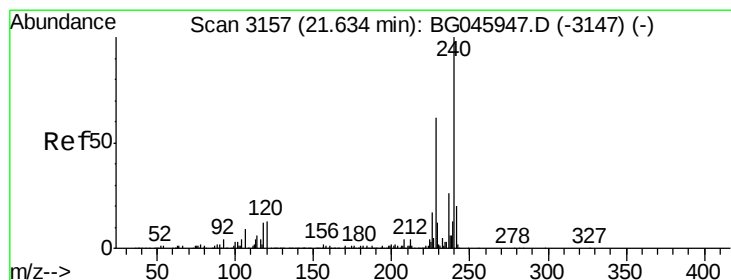
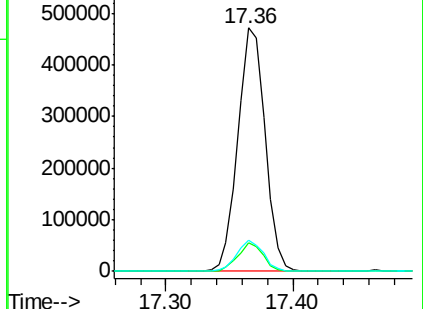
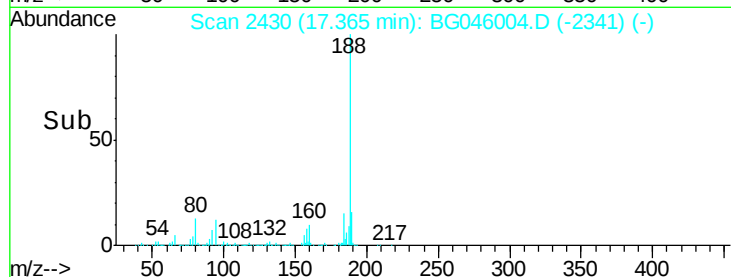
80 12.9 9.0 13.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.62 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG046004.D

Acq: 10 Jul 2020 13:00

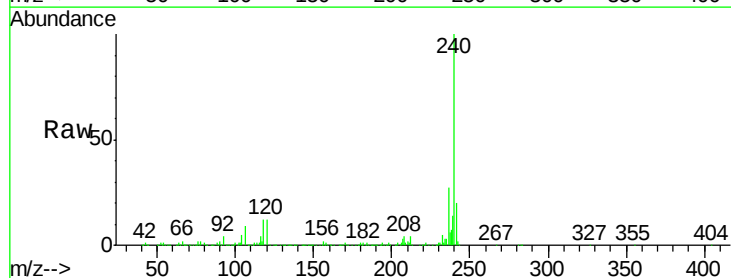
Tgt Ion:240 Resp: 659680

Ion Ratio Lower Upper

240 100

120 12.5 10.6 16.0

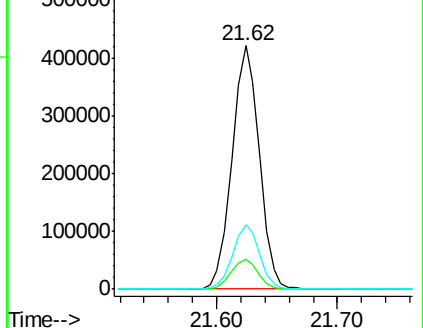
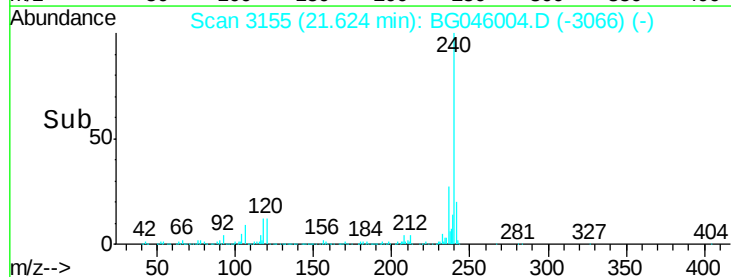
236 26.6 20.4 30.6

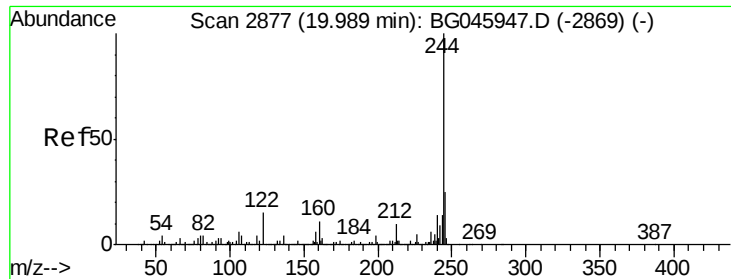


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 86.956 ng

RT: 19.98 min Scan# 2876

Delta R.T. -0.00 min

Lab File: BG046004.D

Acq: 10 Jul 2020 13:00

Instrument :

BNA\_G

ClientSampleId :

PB130070TB

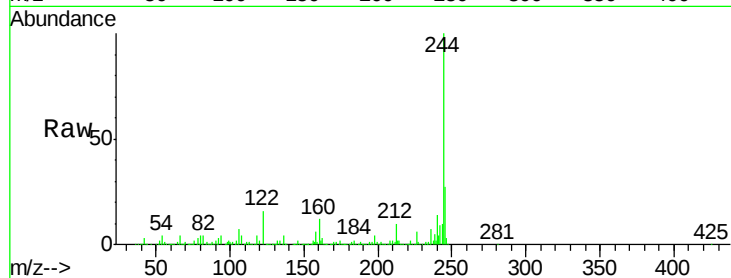
Tot Ion:244 Resp: 2577526

Ion Ratio Lower Upper

244 100

212 10.2 8.3 12.5

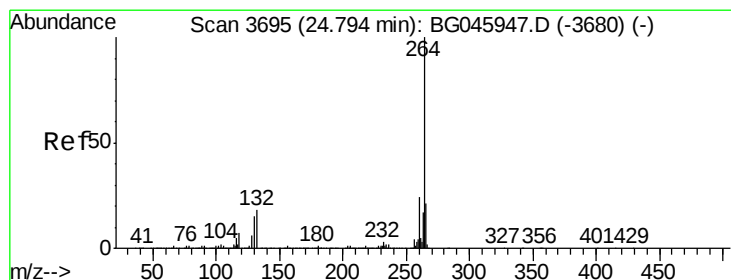
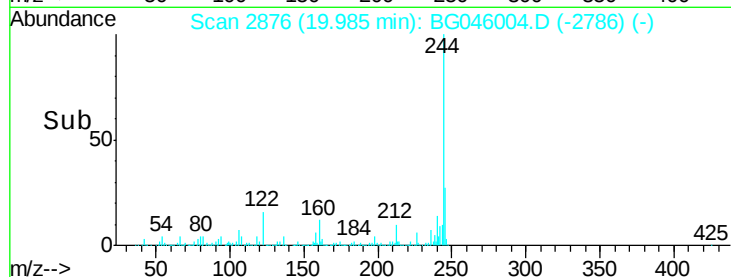
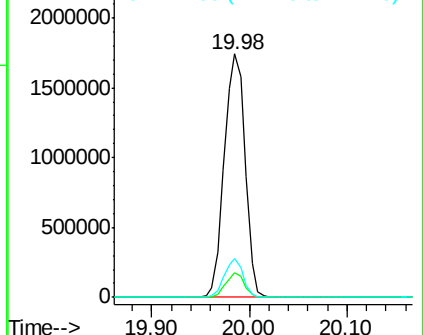
122 16.1 12.1 18.1



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: 24.78 min Scan# 3692

Delta R.T. -0.02 min

Lab File: BG046004.D

Acq: 10 Jul 2020 13:00

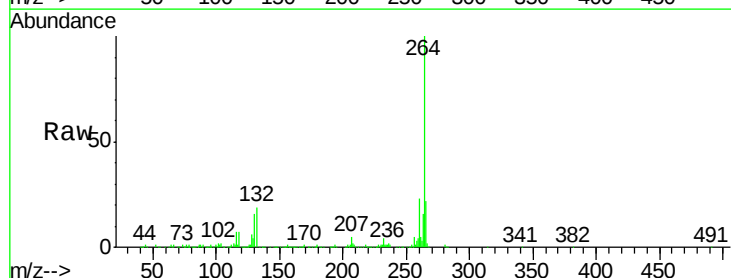
Tgt Ion:264 Resp: 639677

Ion Ratio Lower Upper

264 100

260 22.9 19.0 28.6

265 22.0 16.9 25.3



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

