

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020720\  
 Data File : BG044352.D  
 Acq On : 8 Feb 2020 2:08  
 Operator : CG/JU  
 Sample : PB126664TB  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB126664TB

Quant Time: Feb 08 03:25:51 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 30 16:05:09 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.91  | 152  | 85450    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.71 | 136  | 336700   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.54 | 164  | 210552   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.29 | 188  | 467394   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.53 | 240  | 444759   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 24.62 | 264  | 458364   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.49  | 112  | 814739   | 168.27 | ng    | 0.00     |
| 7) Phenol-d6                | 7.08  | 99   | 1027573  | 158.04 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.07  | 82   | 634417   | 106.38 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.04 | 330  | 390894   | 158.14 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.17 | 172  | 1391705  | 110.68 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.91 | 244  | 2107246  | 97.45  | ng    | 0.00     |

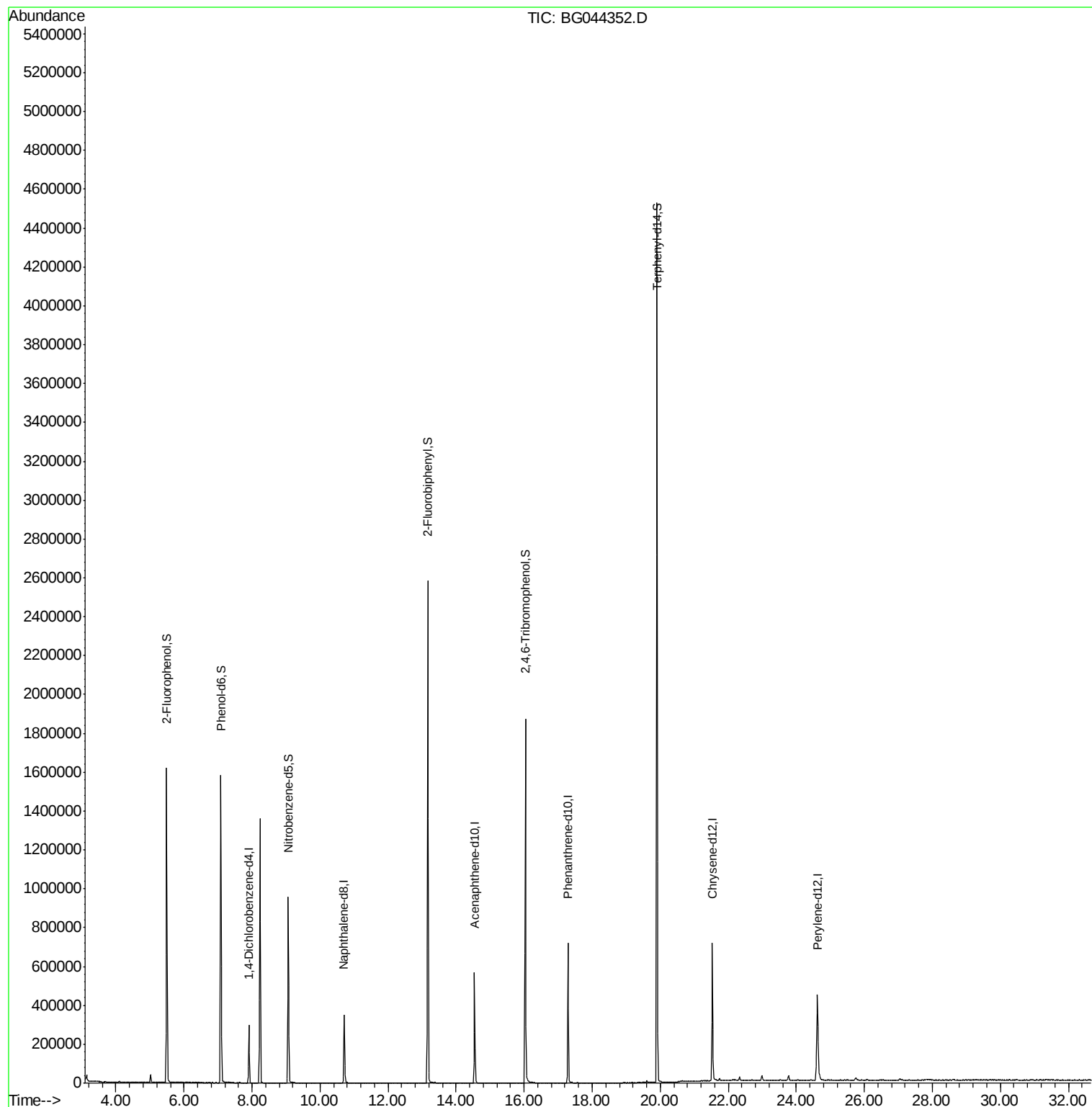
Target Compounds Qvalue

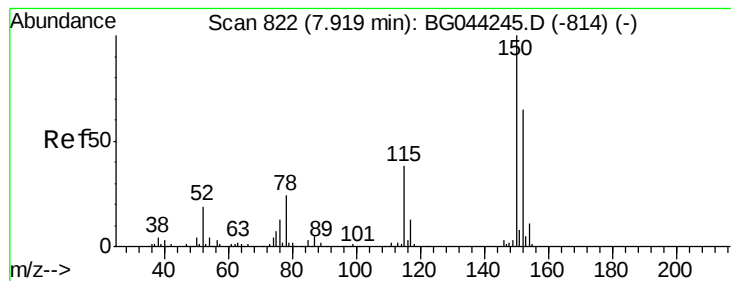
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jan 30 16:05:09 2020  
Response via : Initial Calibration



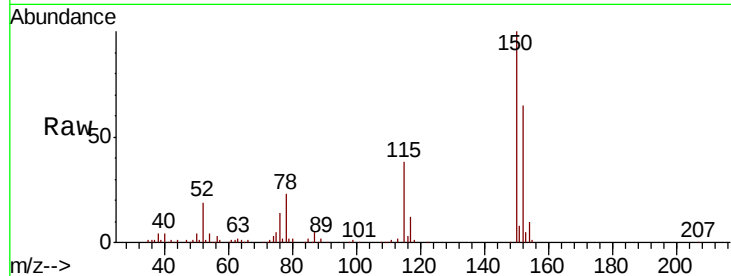


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.91 min Scan# 821  
Delta R.T. -0.01 min  
Lab File: BG044352.D  
Acq: 8 Feb 2020 2:08

Instrument :  
BNA\_G  
ClientSampled :  
PB126664TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 153.8 | 122.6 | 183.8 |
| 115     | 58.7  | 46.0  | 69.0  |

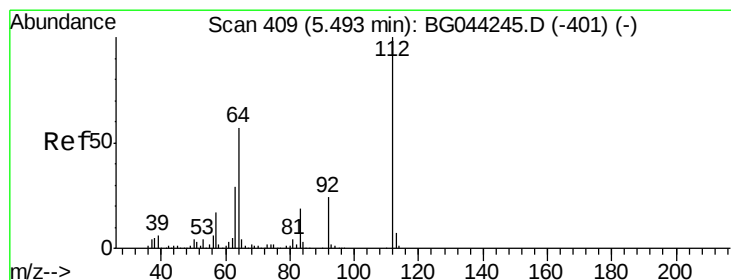
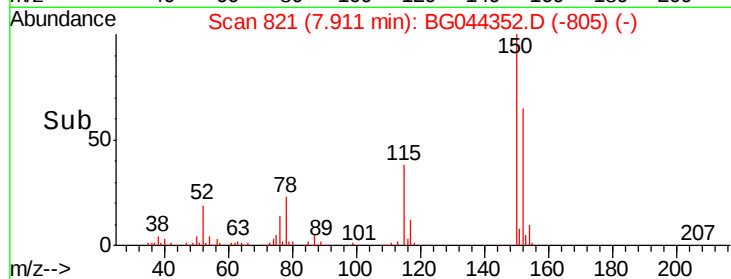
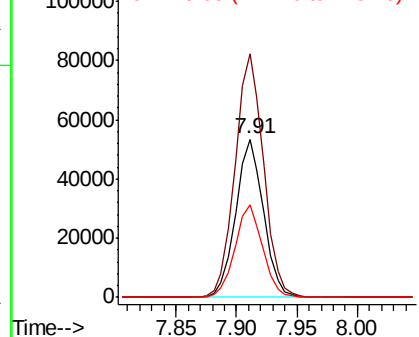


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

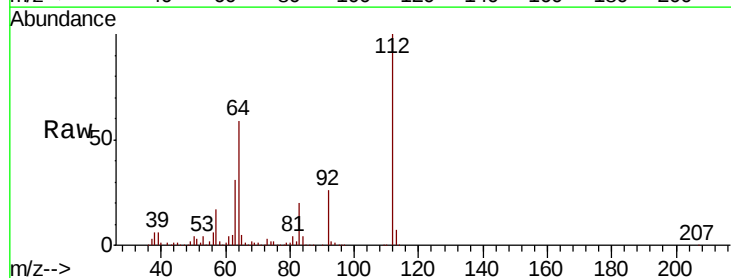
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 168.272 ng  
RT: 5.49 min Scan# 409  
Delta R.T. -0.00 min  
Lab File: BG044352.D  
Acq: 8 Feb 2020 2:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.5  | 45.4  | 68.2  |
| 63      | 30.5  | 22.9  | 34.3  |

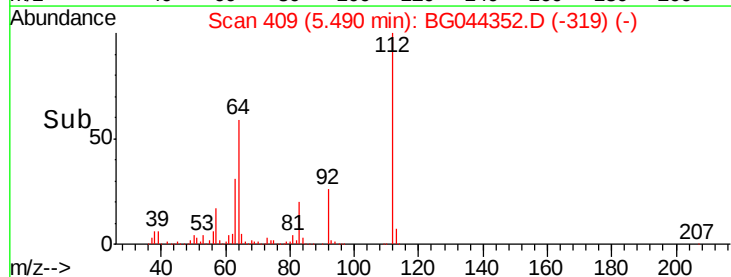
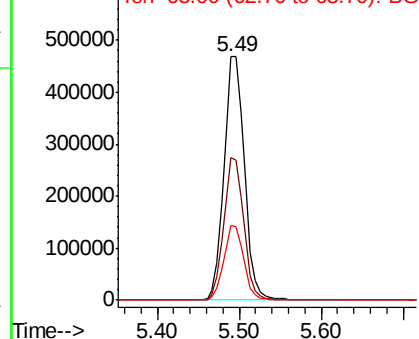


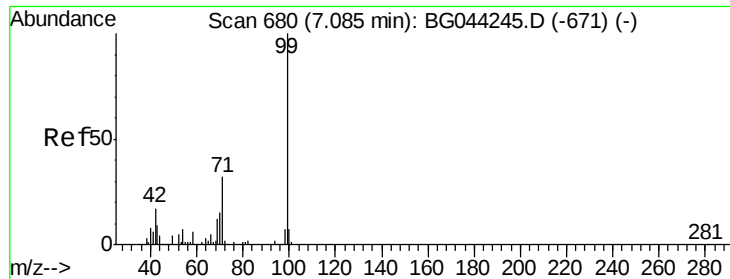
Abundance

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: 158.044 ng

RT: 7.08 min Scan# 680

Delta R.T. -0.00 min

Lab File: BG044352.D

Acq: 8 Feb 2020 2:08

Instrument :

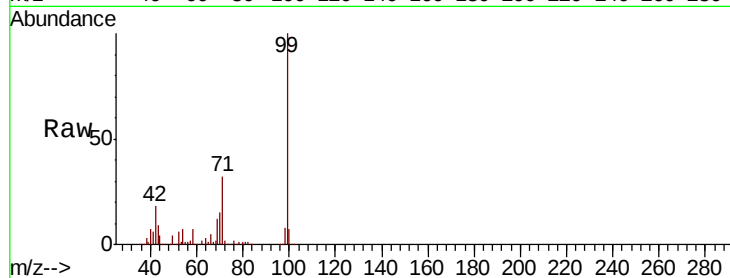
BNA\_G

ClientSampleId :

PB126664TB

Tot Ion: 99 Resp: 1027573

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.6  | 13.8  | 20.6  |
| 71  | 32.1  | 25.5  | 38.3  |

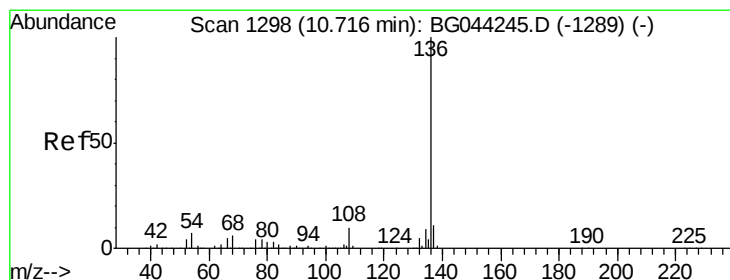
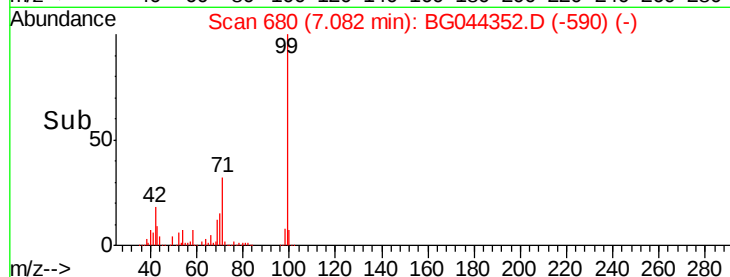
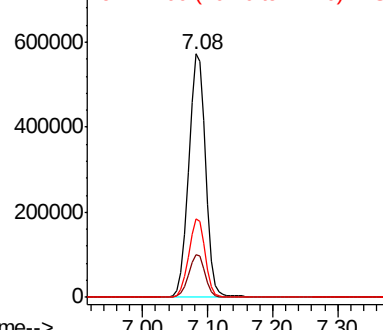


Abundance

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: 10.71 min Scan# 1297

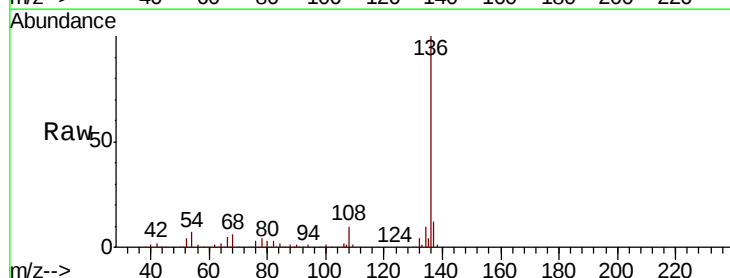
Delta R.T. -0.01 min

Lab File: BG044352.D

Acq: 8 Feb 2020 2:08

Tgt Ion: 136 Resp: 336700

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.6  | 8.8   | 13.2  |
| 54  | 7.3   | 5.8   | 8.8   |
| 68  | 6.0   | 4.6   | 6.8   |



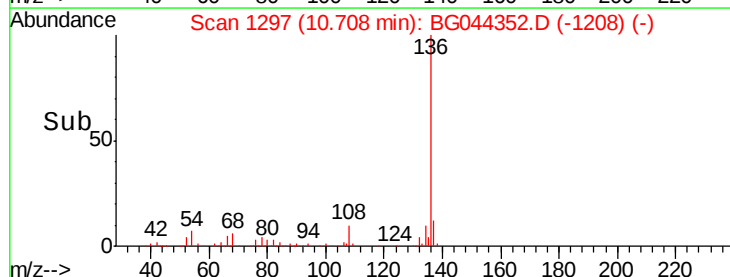
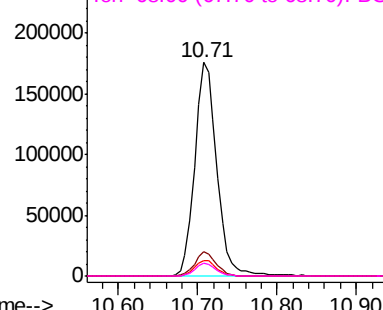
Abundance

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

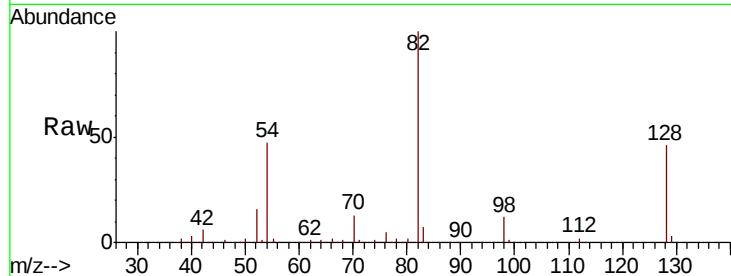




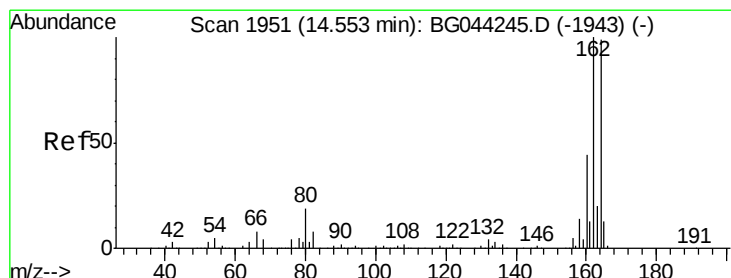
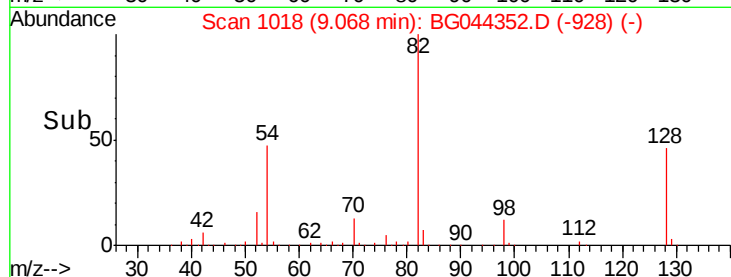
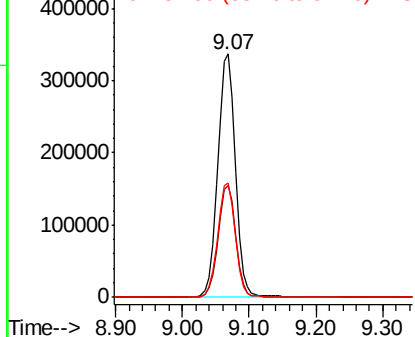
#23  
 Nitrobenzene-d5  
 Concen: 106.376 ng  
 RT: 9.07 min Scan# 1018  
 Delta R.T. -0.00 min  
 Lab File: BG044352.D  
 Acq: 8 Feb 2020 2:08

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB126664TB

| Tot Ion   | 82   | Resp  | 634417 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 45.9 | 36.5  | 54.7   |
| 54        | 46.9 | 38.6  | 58.0   |

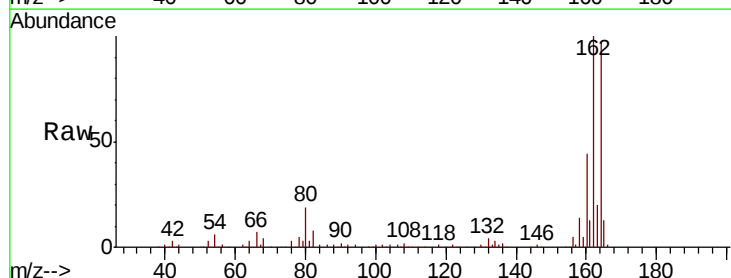


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

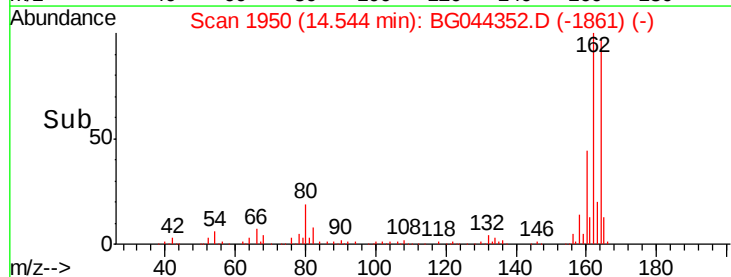
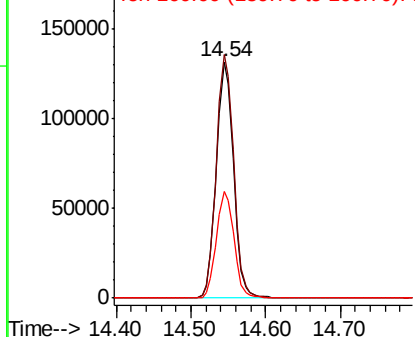


#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.54 min Scan# 1950  
 Delta R.T. -0.01 min  
 Lab File: BG044352.D  
 Acq: 8 Feb 2020 2:08

| Tgt Ion   | 164   | Resp  | 210552 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 103.2 | 80.7  | 121.1  |
| 160       | 45.4  | 35.3  | 52.9   |



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

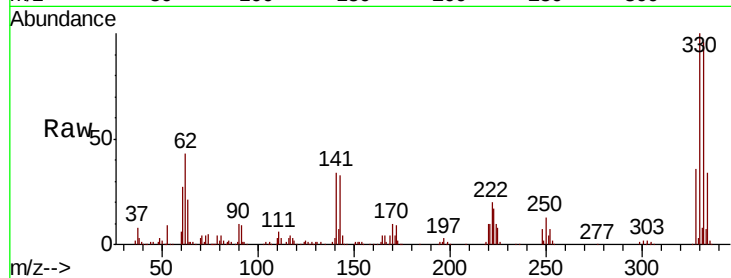




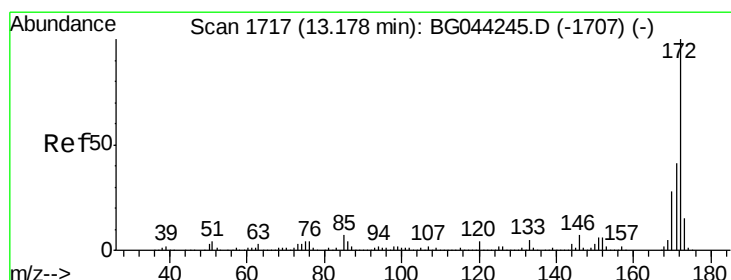
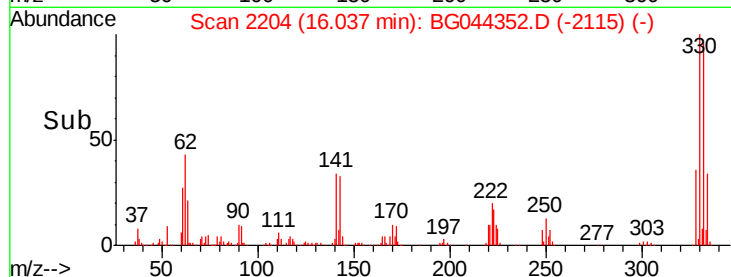
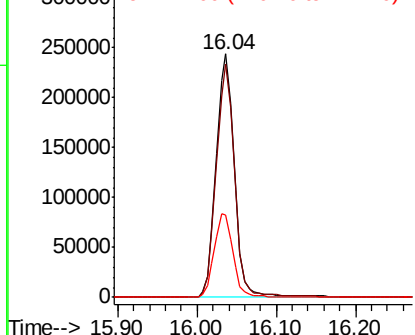
#42  
 2,4,6-Tribromophenol  
 Concen: 158.144 ng  
 RT: 16.04 min Scan# 2204  
 Delta R.T. -0.01 min  
 Lab File: BG044352.D  
 Acq: 8 Feb 2020 2:08

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB126664TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 77.2  | 115.8 |
| 141     | 35.1  | 28.3  | 42.5  |

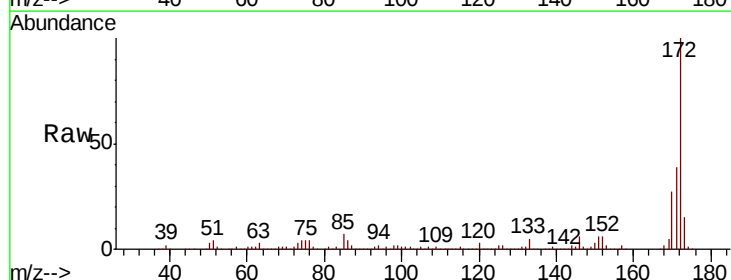


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

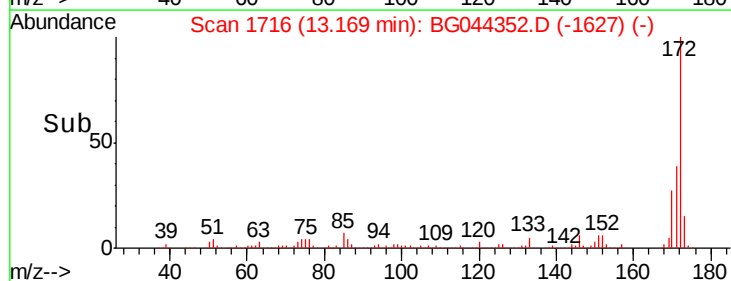
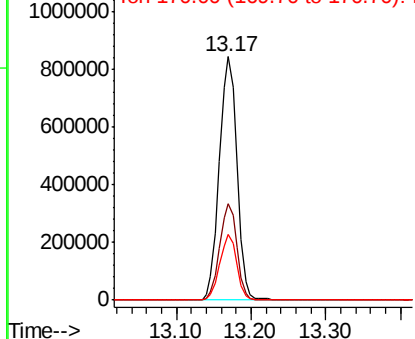


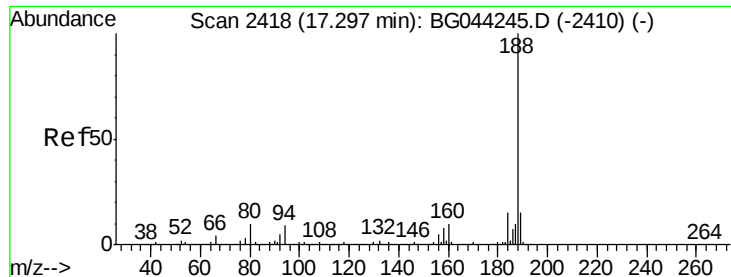
#45  
 2-Fluorobiphenyl  
 Concen: 110.685 ng  
 RT: 13.17 min Scan# 1716  
 Delta R.T. -0.01 min  
 Lab File: BG044352.D  
 Acq: 8 Feb 2020 2:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 39.5  | 32.9  | 49.3  |
| 170     | 26.8  | 22.0  | 33.0  |



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: 17.29 min Scan# 2417

Delta R.T. -0.01 min

Lab File: BG044352.D

Acq: 8 Feb 2020 2:08

Instrument :

BNA\_G

ClientSampleId :

PB126664TB

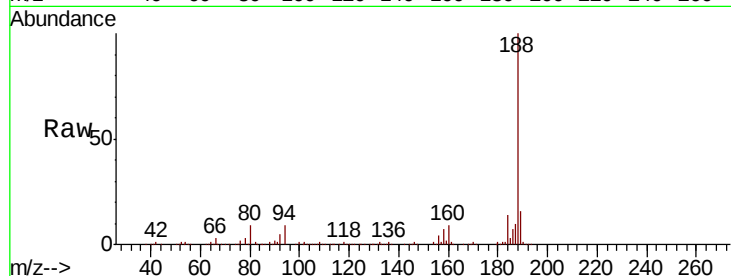
Tot Ion:188 Resp: 467394

Ion Ratio Lower Upper

188 100

94 8.7 7.4 11.2

80 9.3 7.7 11.5

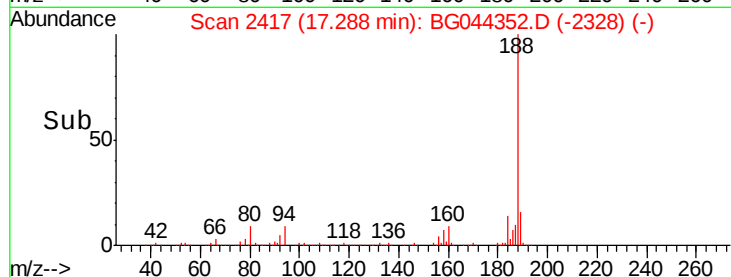


Abundance Ion 188.00 (187.70 to 188.70): E

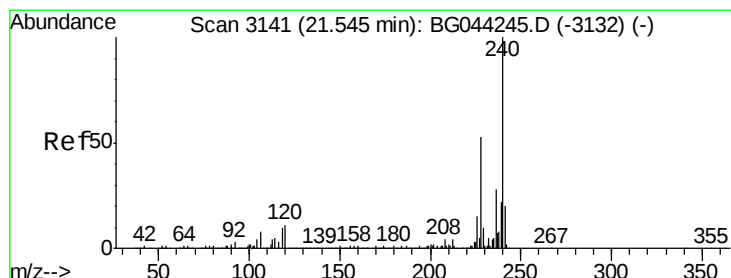
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time-->



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.53 min Scan# 3139

Delta R.T. -0.01 min

Lab File: BG044352.D

Acq: 8 Feb 2020 2:08

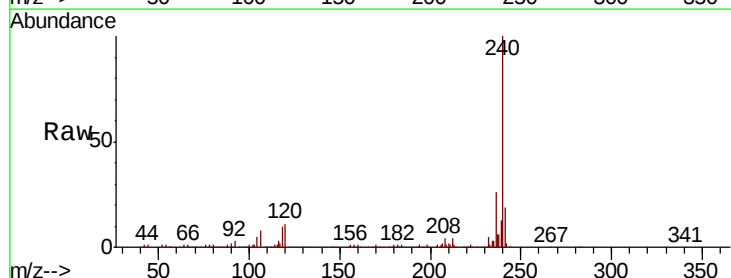
Tgt Ion:240 Resp: 444759

Ion Ratio Lower Upper

240 100

120 11.0 8.4 12.6

236 25.9 22.1 33.1

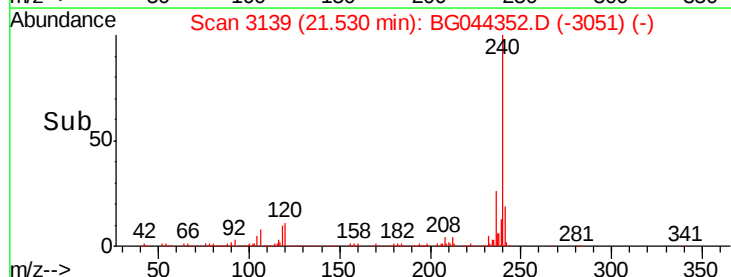


Abundance Ion 240.00 (239.70 to 240.70): E

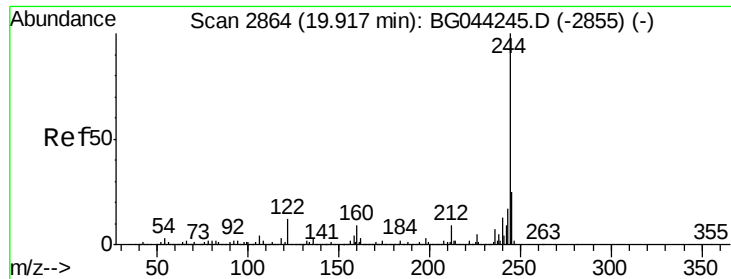
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

Time-->



Time-->



#79

Terphenyl-d14

Concen: 97.454 ng

RT: 19.91 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BG044352.D

Acq: 8 Feb 2020 2:08

Instrument :

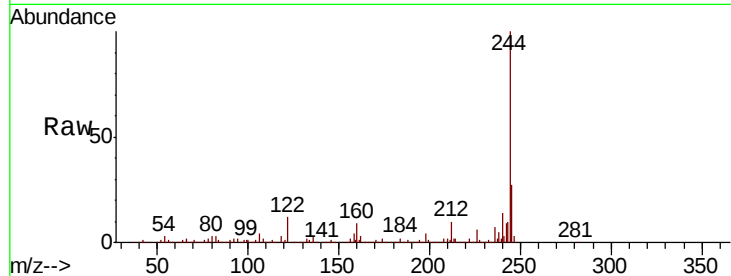
BNA\_G

ClientSampleId :

PB126664TB

Tot Ion:244 Resp: 2107246

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 9.9   | 7.4   | 11.2  |
| 122 | 12.4  | 9.8   | 14.6  |

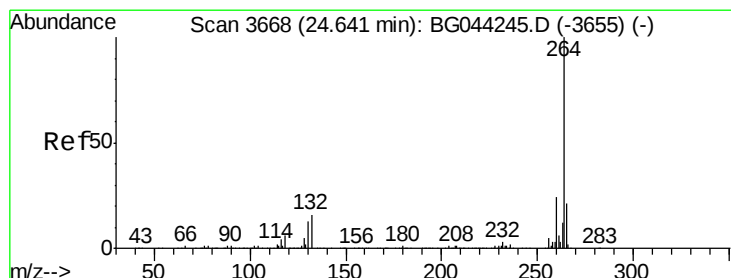
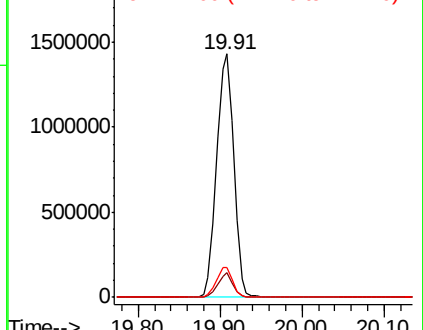
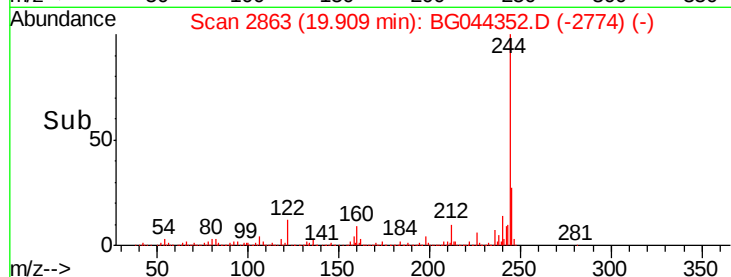


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.62 min Scan# 3665

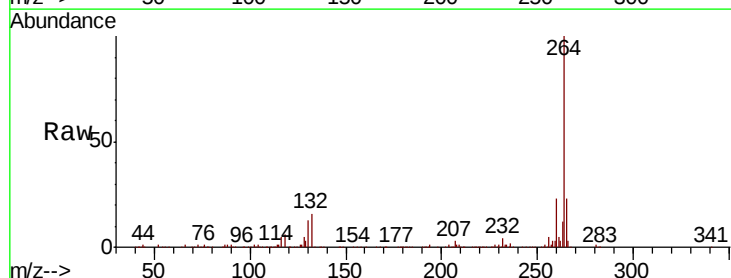
Delta R.T. -0.02 min

Lab File: BG044352.D

Acq: 8 Feb 2020 2:08

Tgt Ion:264 Resp: 458364

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.4  | 19.4  | 29.2  |
| 265 | 22.8  | 16.7  | 25.1  |



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

