

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011320\  
 Data File : BG044022.D  
 Acq On : 13 Jan 2020 21:38  
 Operator : JU  
 Sample : PB126048BL  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB126048BL

Quant Time: Jan 14 10:31:48 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 31 13:32:23 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.95  | 152  | 109053   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.75 | 136  | 438973   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.57 | 164  | 282176   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.32 | 188  | 634591   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 21.57 | 240  | 581981   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 24.70 | 264  | 642933   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.53  | 112  | 823808   | 138.70 | ng    | -0.01    |
| 7) Phenol-d6                | 7.11  | 99   | 1119865  | 134.89 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.10  | 82   | 641681   | 78.20  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 16.07 | 330  | 433610   | 146.84 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 13.21 | 172  | 1417869  | 91.04  | ng    | -0.02    |
| 79) Terphenyl-d14           | 19.94 | 244  | 2319735  | 100.75 | ng    | -0.02    |

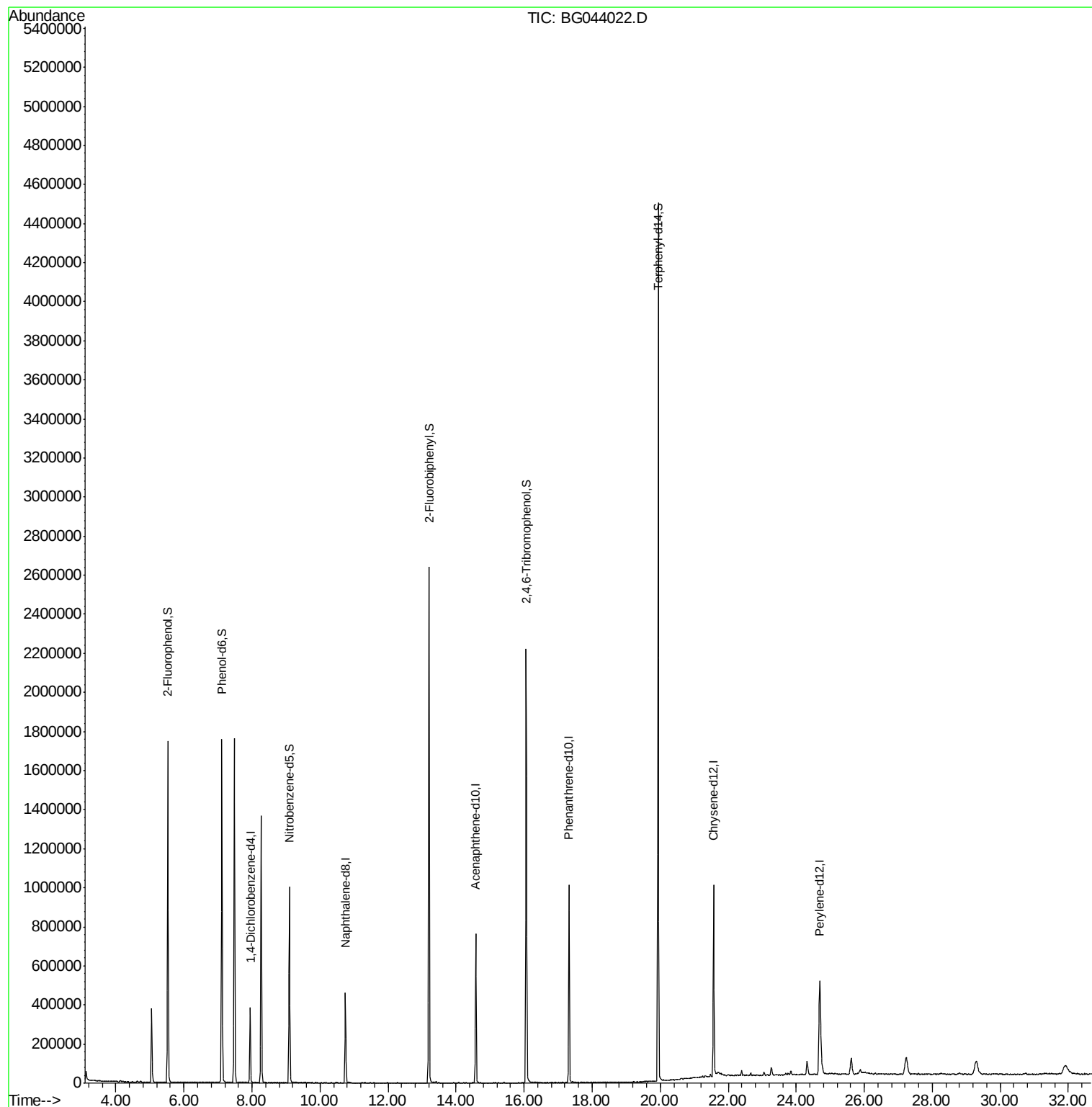
Target Compounds Qvalue

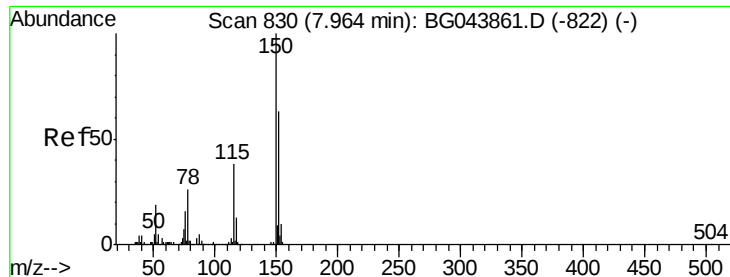
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011320\  
Data File : BG044022.D  
Acq On : 13 Jan 2020 21:38  
Operator : JU  
Sample : PB126048BL  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PB126048BL

Quant Time: Jan 14 10:31:48 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Dec 31 13:32:23 2019  
Response via : Initial Calibration



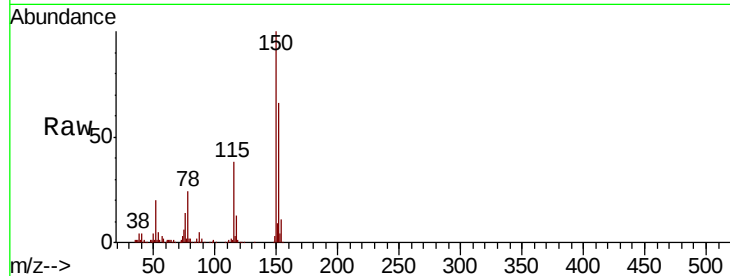


#1

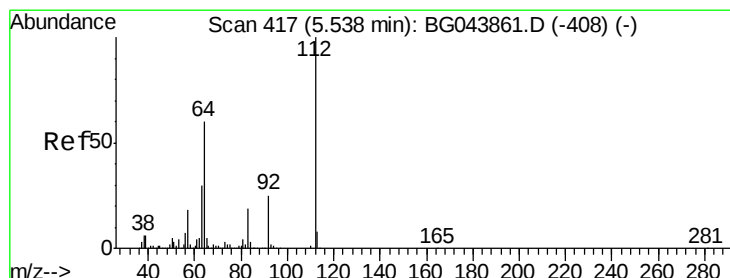
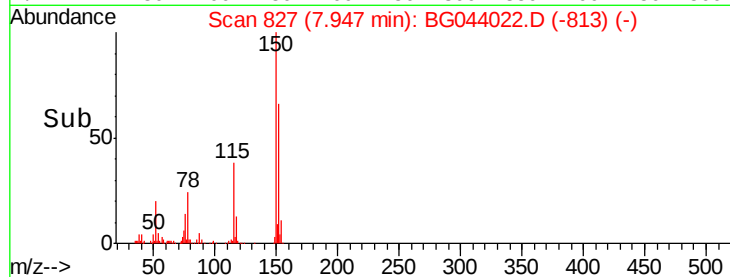
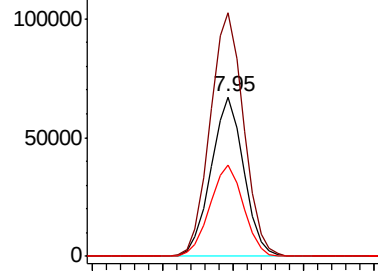
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.95 min Scan# 827  
Delta R.T. -0.02 min  
Lab File: BG044022.D  
Acq: 13 Jan 2020 21:38

Instrument :  
BNA\_G  
ClientSampleId :  
PB126048BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.5 | 127.0 | 190.4 |
| 115     | 57.6  | 47.8  | 71.8  |



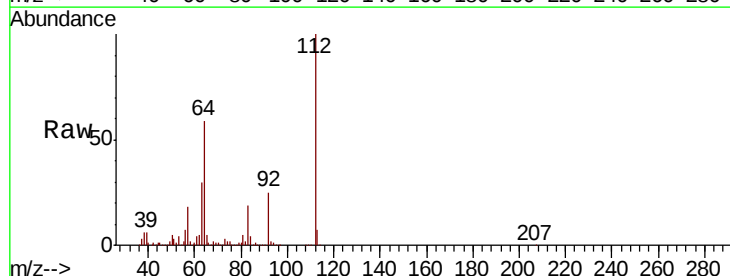
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



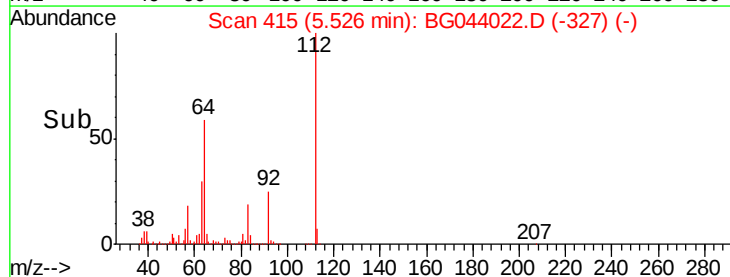
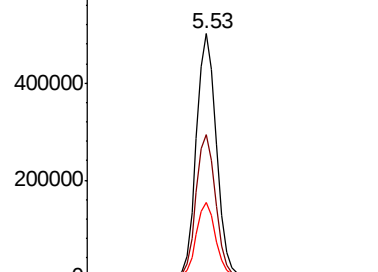
#5

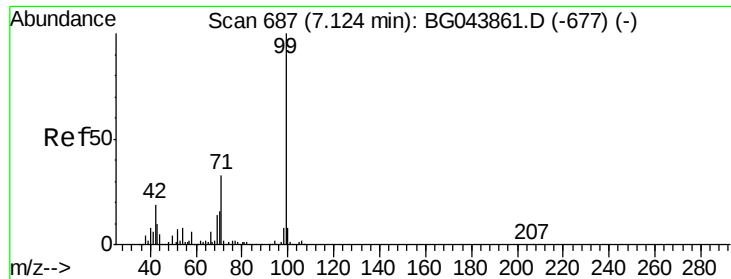
2-Fluorophenol  
Concen: 138.704 ng  
RT: 5.53 min Scan# 415  
Delta R.T. -0.01 min  
Lab File: BG044022.D  
Acq: 13 Jan 2020 21:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.7  | 47.8  | 71.6  |
| 63      | 30.5  | 24.3  | 36.5  |



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG0  
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 134.890 ng

RT: 7.11 min Scan# 685

Delta R.T. -0.01 min

Lab File: BG044022.D

Acq: 13 Jan 2020 21:38

Instrument :

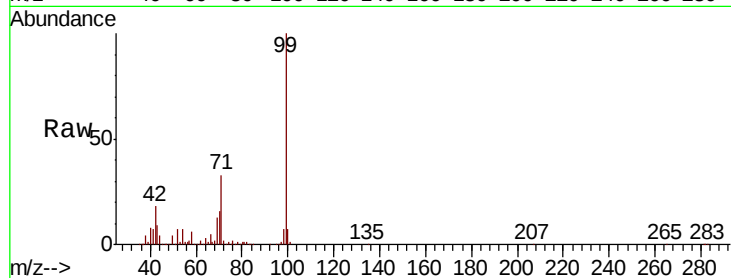
BNA\_G

ClientSampleId :

PB126048BL

Tot Ion: 99 Resp: 1119865

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.2  | 14.9  | 22.3  |
| 71  | 33.0  | 26.4  | 39.6  |

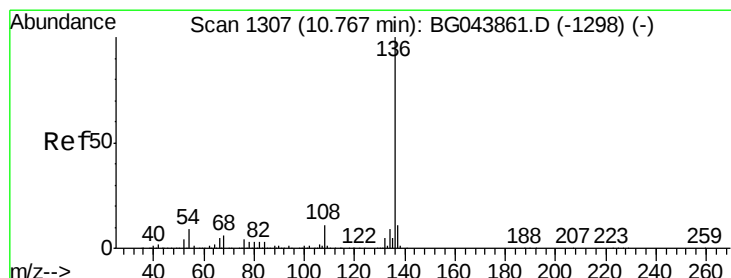
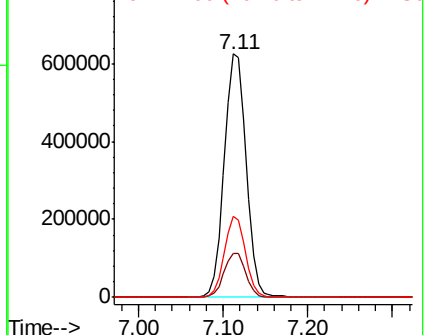
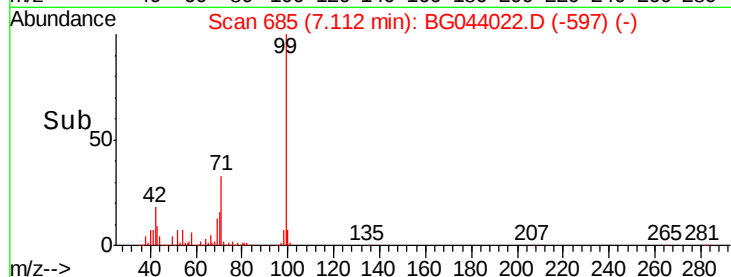


Abundance

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: 10.75 min Scan# 1304

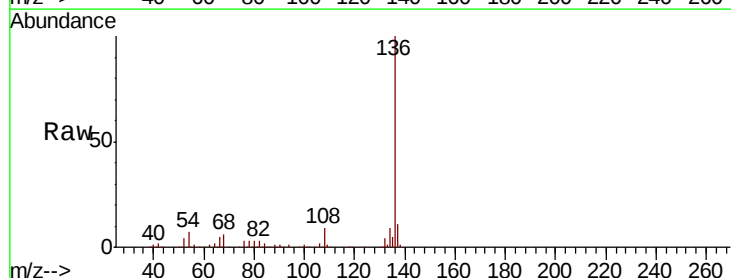
Delta R.T. -0.02 min

Lab File: BG044022.D

Acq: 13 Jan 2020 21:38

Tgt Ion: 136 Resp: 438973

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 8.8   | 13.2  |
| 54  | 7.3   | 7.0   | 10.4  |
| 68  | 5.6   | 4.9   | 7.3   |



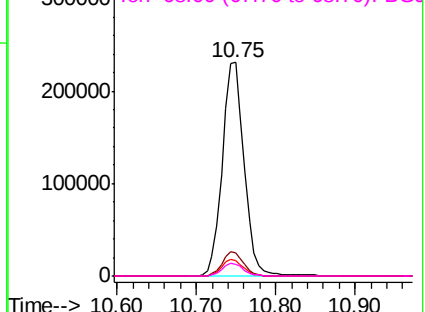
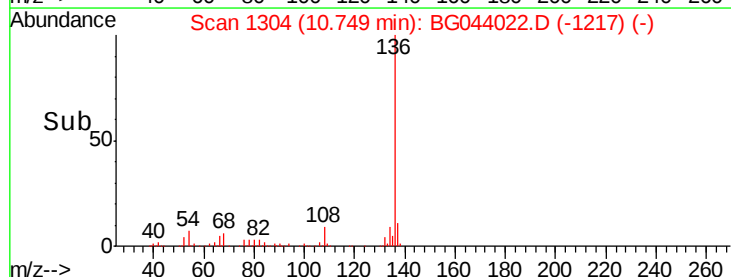
Abundance

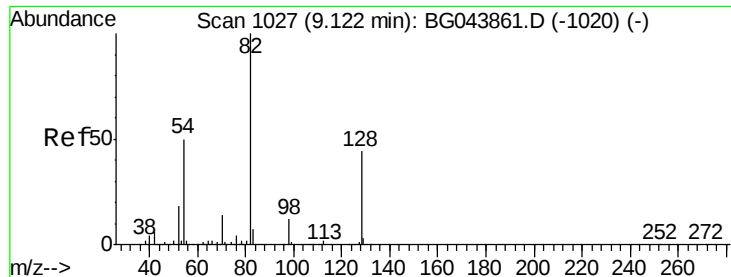
Ion 136.00 (135.70 to 136.70): BGC

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

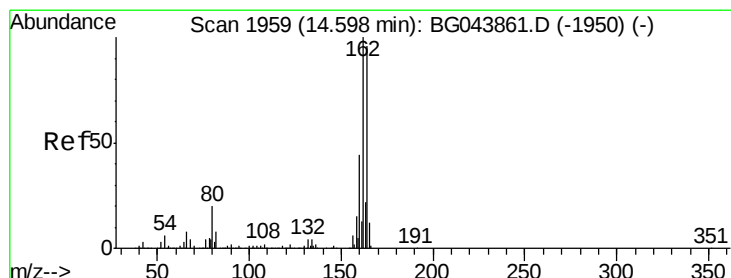
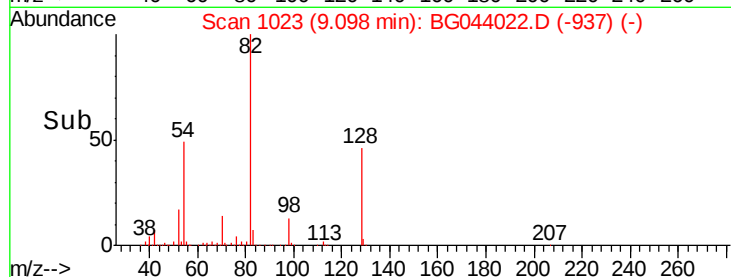
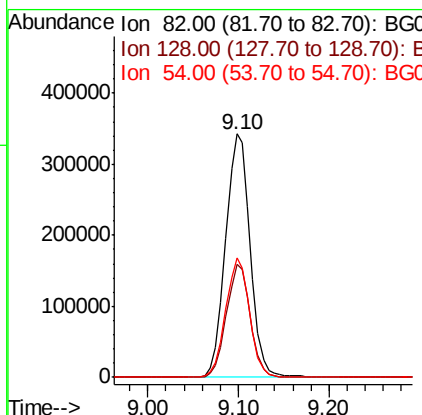
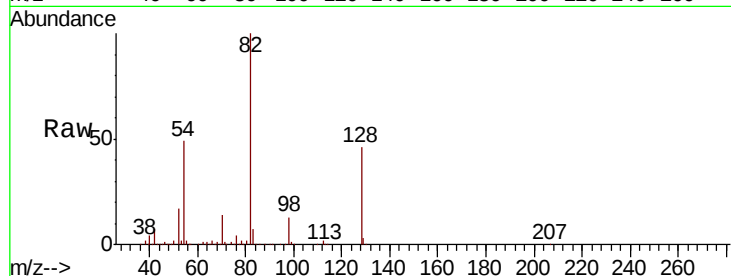




#23  
Nitrobenzene-d5  
Concen: 78.199 ng  
RT: 9.10 min Scan# 1023  
Delta R.T. -0.02 min  
Lab File: BG044022.D  
Acq: 13 Jan 2020 21:38

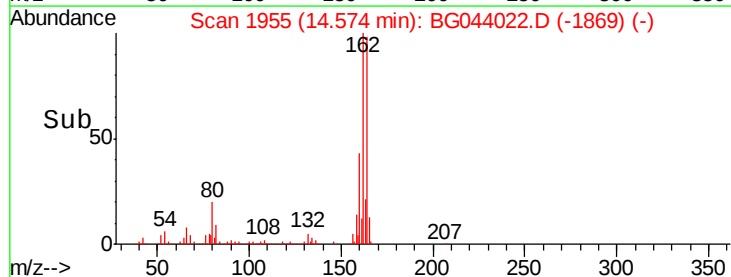
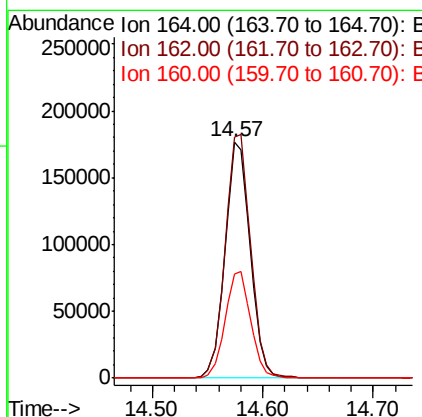
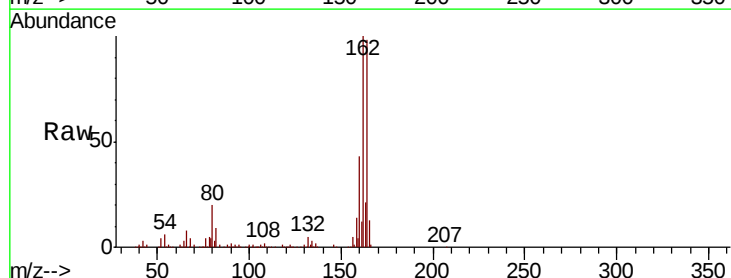
Instrument :  
BNA\_G  
ClientSampleId :  
PB126048BL

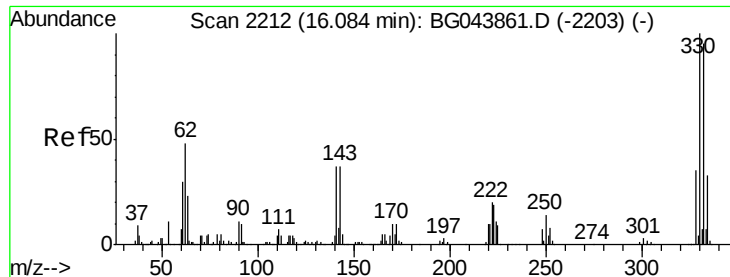
| Tot Ion   | 82    | Resp  | 641681 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 46.4  | 35.1  | 52.7   |
| 54        | 49.0  | 40.1  | 60.1   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.57 min Scan# 1955  
Delta R.T. -0.02 min  
Lab File: BG044022.D  
Acq: 13 Jan 2020 21:38

| Tgt Ion   | 164   | Resp  | 282176 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 102.0 | 83.0  | 124.4  |
| 160       | 43.8  | 36.1  | 54.1   |

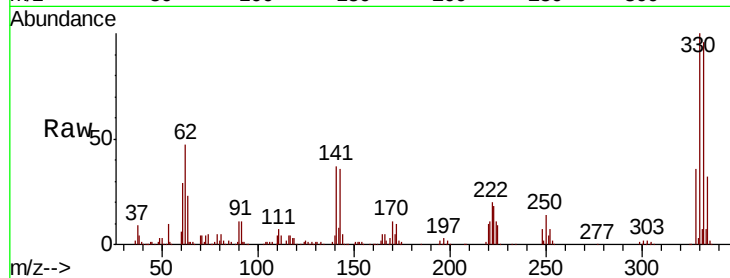




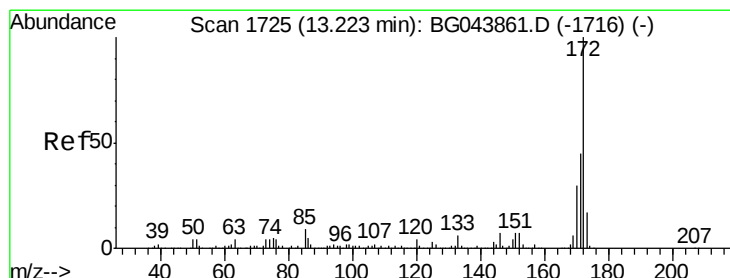
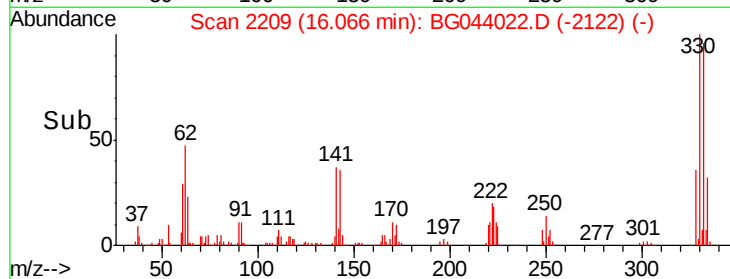
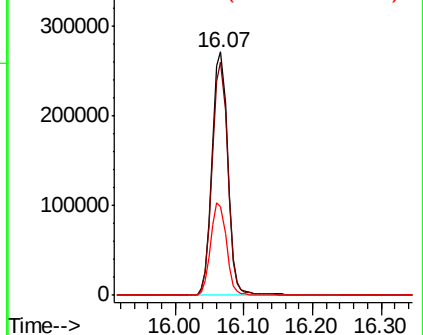
#42  
 2,4,6-Tribromophenol  
 Concen: 146.841 ng  
 RT: 16.07 min Scan# 2209  
 Delta R.T. -0.02 min  
 Lab File: BG044022.D  
 Acq: 13 Jan 2020 21:38

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB126048BL

Tot Ion:330 Resp: 433610  
 Ion Ratio Lower Upper  
 330 100  
 332 94.7 77.2 115.8  
 141 37.9 33.1 49.7

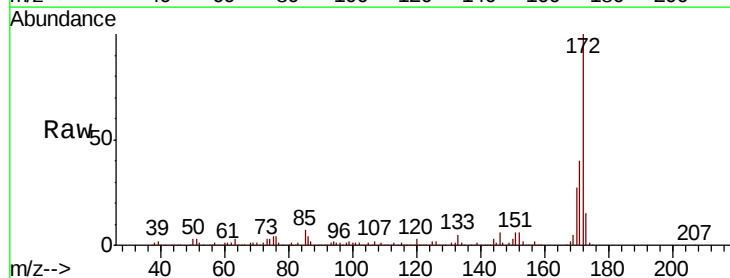


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

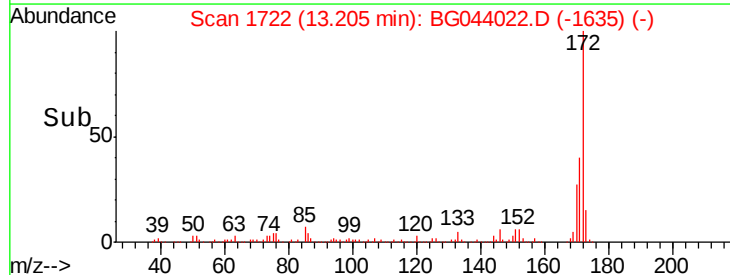
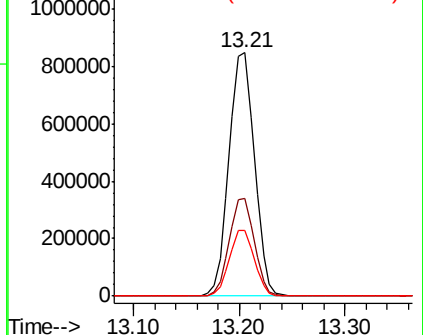


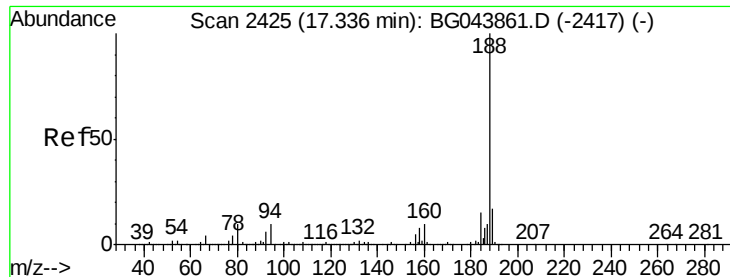
#45  
 2-Fluorobiphenyl  
 Concen: 91.037 ng  
 RT: 13.21 min Scan# 1722  
 Delta R.T. -0.02 min  
 Lab File: BG044022.D  
 Acq: 13 Jan 2020 21:38

Tgt Ion:172 Resp: 1417869  
 Ion Ratio Lower Upper  
 172 100  
 171 40.1 35.8 53.8  
 170 27.2 24.2 36.4



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: 17.32 min Scan# 2422

Delta R.T. -0.02 min

Lab File: BG044022.D

Acq: 13 Jan 2020 21:38

Instrument :

BNA\_G

ClientSampleId :

PB126048BL

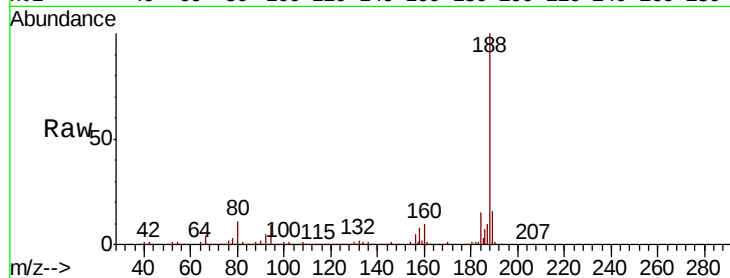
Tot Ion:188 Resp: 634591

Ion Ratio Lower Upper

188 100

94 9.2 7.9 11.9

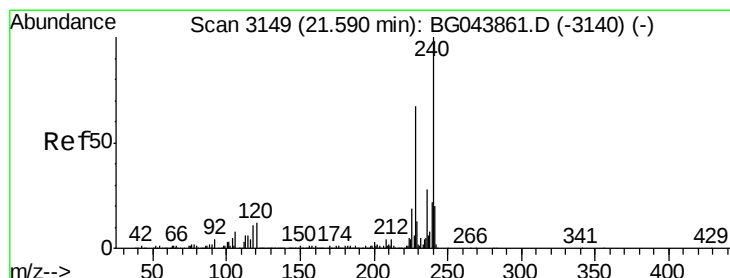
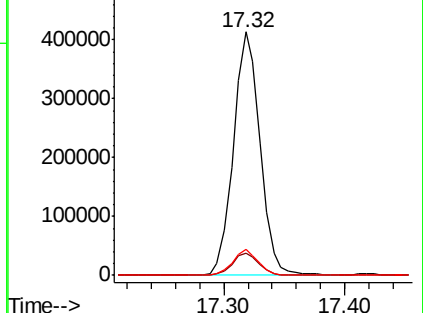
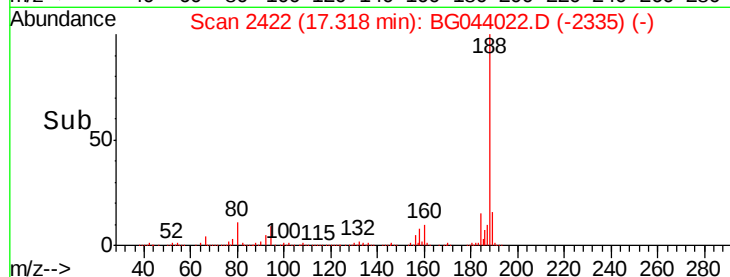
80 10.8 8.2 12.4



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: 21.57 min Scan# 3146

Delta R.T. -0.02 min

Lab File: BG044022.D

Acq: 13 Jan 2020 21:38

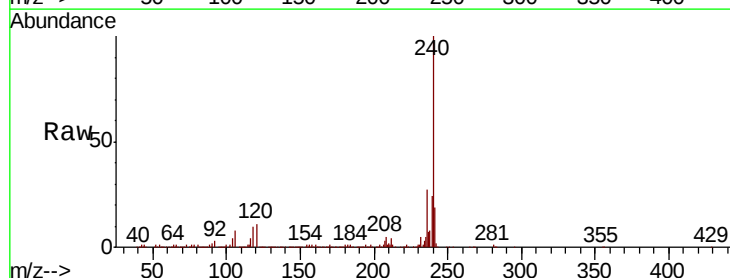
Tgt Ion:240 Resp: 581981

Ion Ratio Lower Upper

240 100

120 11.3 9.6 14.4

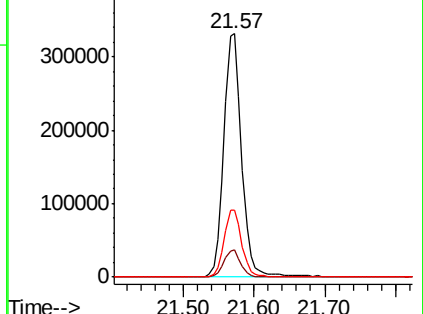
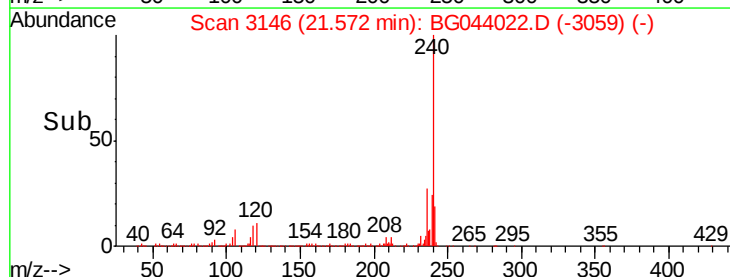
236 27.3 22.2 33.2

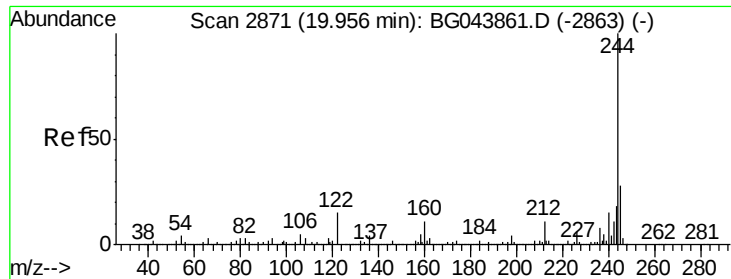


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 100.752 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.02 min

Lab File: BG044022.D

Acq: 13 Jan 2020 21:38

Instrument :

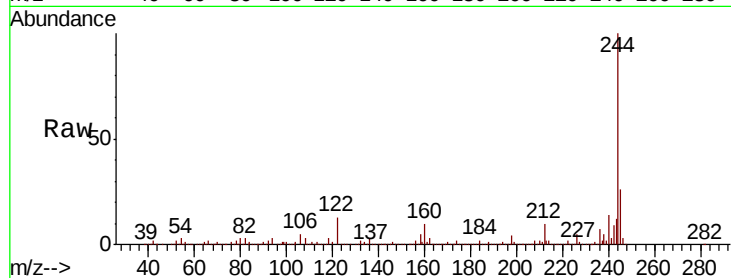
BNA\_G

ClientSampleId :

PB126048BL

Tot Ion:244 Resp: 2319735

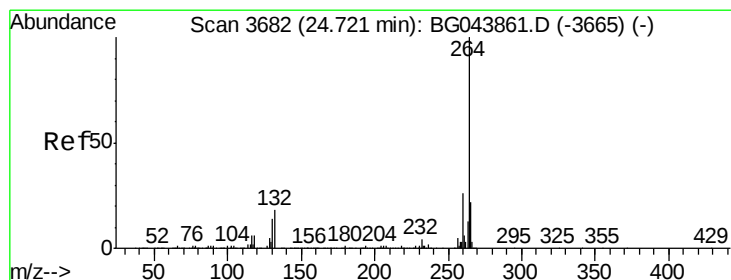
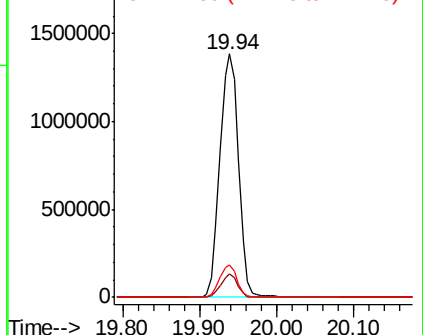
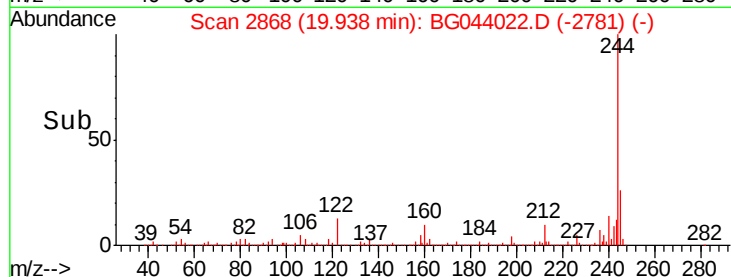
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 9.7   | 8.6   | 13.0  |
| 122 | 13.4  | 11.9  | 17.9  |



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: 24.70 min Scan# 3678

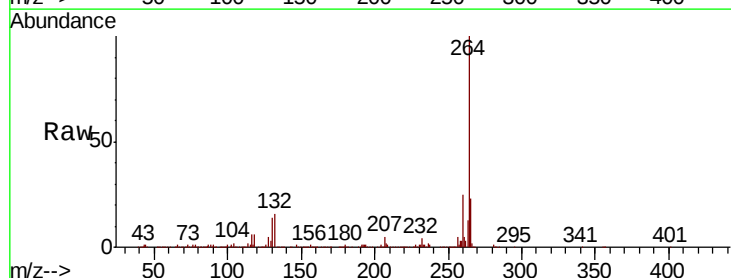
Delta R.T. -0.02 min

Lab File: BG044022.D

Acq: 13 Jan 2020 21:38

Tgt Ion:264 Resp: 642933

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.2  | 20.4  | 30.6  |
| 265 | 22.6  | 17.4  | 26.2  |



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

