

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091720\  
 Data File : BG046659.D  
 Acq On : 17 Sep 2020 11:51  
 Operator : CG/JU  
 Sample : PB131657TB  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB131657TB

Quant Time: Sep 17 14:30:28 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 17 14:27:03 2020  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.92  | 152  | 46427    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.72 | 136  | 193707   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.55 | 164  | 136836   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.30 | 188  | 370277   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.54 | 240  | 453343   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 24.64 | 264  | 431748   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.51  | 112  | 425556   | 162.35 | ng    | 0.00     |
| 7) Phenol-d6                | 7.10  | 99   | 559815   | 150.65 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.08  | 82   | 355686   | 104.95 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.04 | 330  | 273106   | 147.30 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.18 | 172  | 990636   | 110.52 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.92 | 244  | 1935293  | 90.85  | ng    | 0.00     |

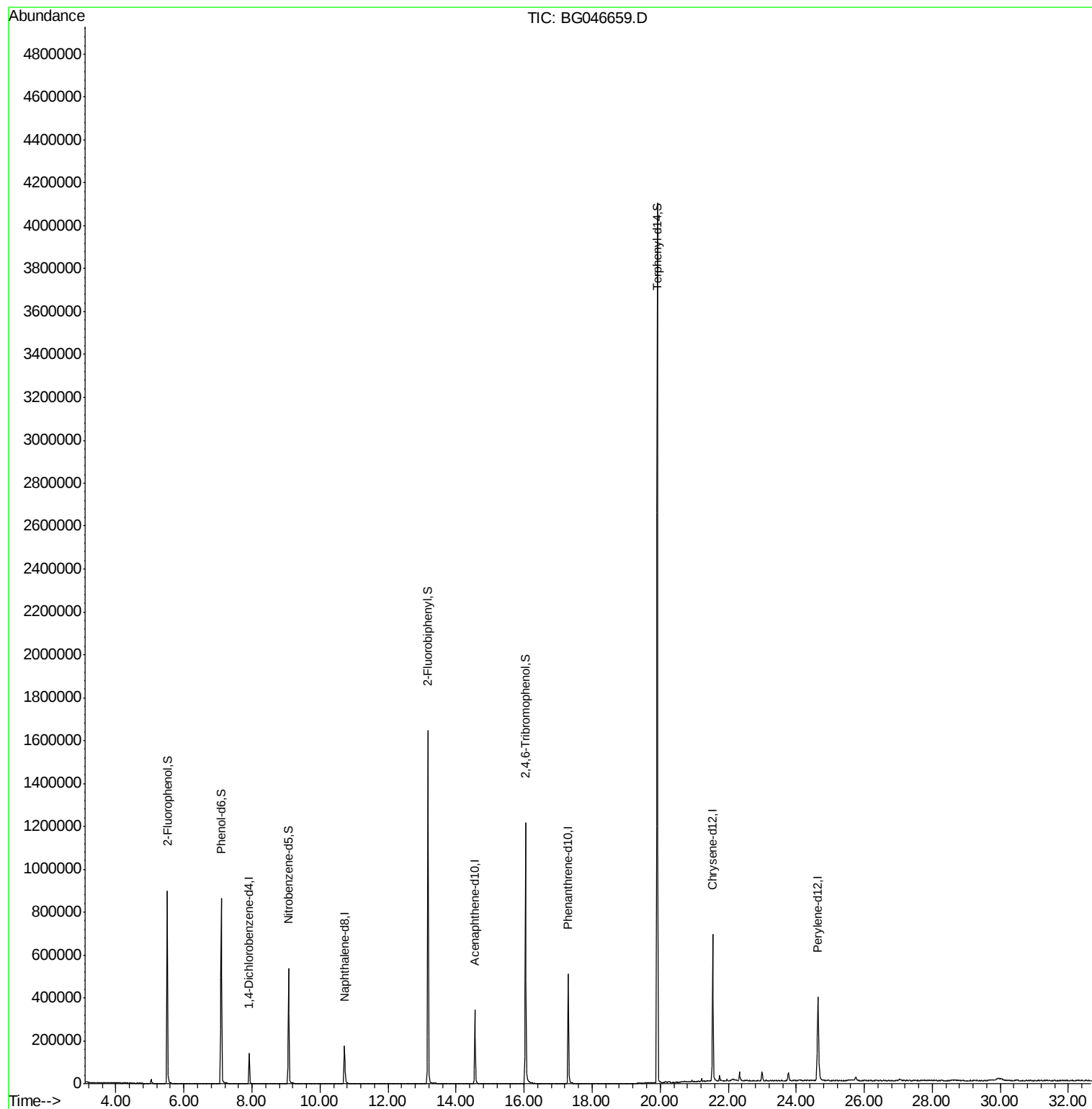
Target Compounds Qvalue

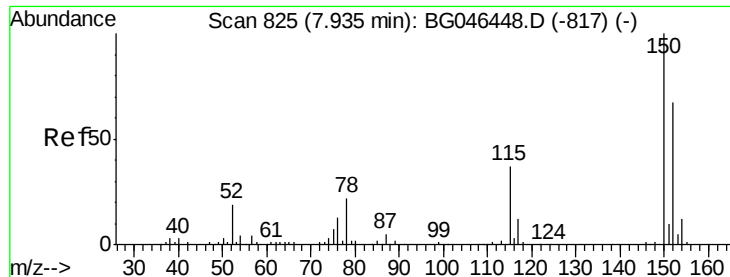
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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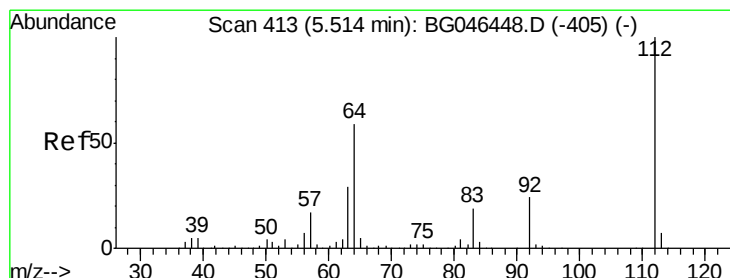
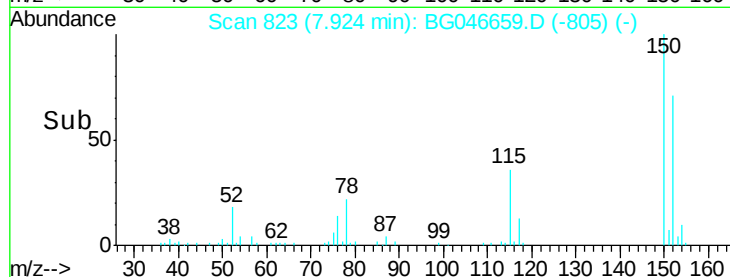
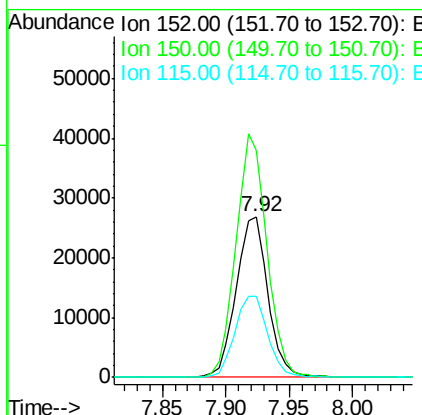
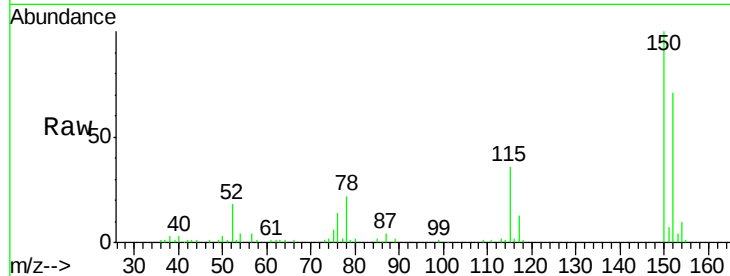


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.92 min Scan# 823  
Delta R.T. 0.00 min  
Lab File: BG046659.D  
Acq: 17 Sep 2020 11:51

Instrument :  
BNA\_G  
ClientSampleId :  
PB131657TB

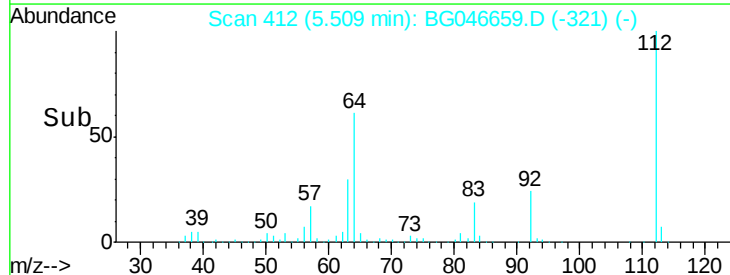
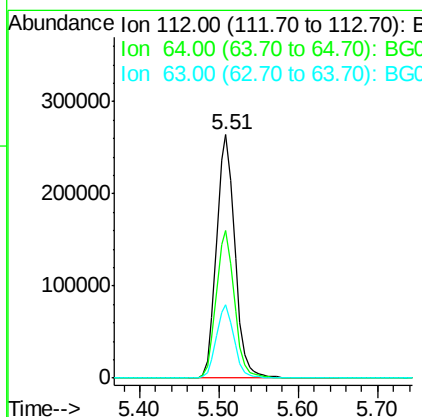
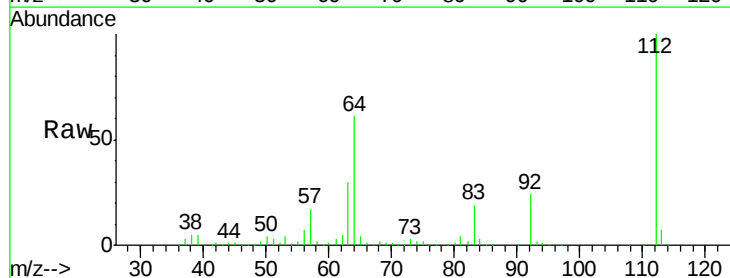
Tot Ion:152 Resp: 46427  
Ion Ratio Lower Upper  
152 100  
150 140.8 125.0 187.6  
115 50.3 41.8 62.6

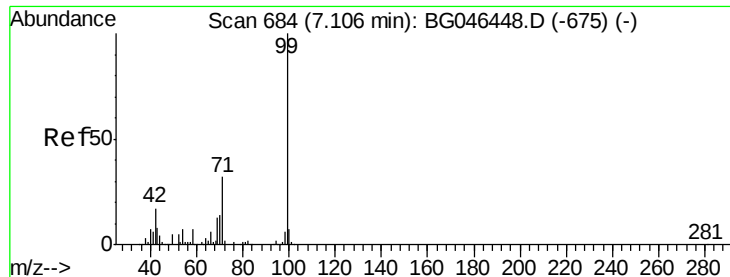


#5

2-Fluorophenol  
Concen: 162.349 ng  
RT: 5.51 min Scan# 412  
Delta R.T. 0.00 min  
Lab File: BG046659.D  
Acq: 17 Sep 2020 11:51

Tgt Ion:112 Resp: 425556  
Ion Ratio Lower Upper  
112 100  
64 60.8 46.7 70.1  
63 29.9 22.8 34.2





#7

Phenol-d6

Concen: 150.655 ng

RT: 7.10 min Scan# 682

Delta R.T. -0.00 min

Lab File: BG046659.D

Acq: 17 Sep 2020 11:51

Instrument :

BNA\_G

ClientSampleId :

PB131657TB

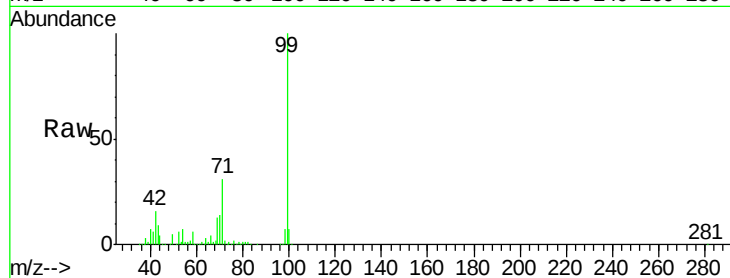
Tot Ion: 99 Resp: 559815

Ion Ratio Lower Upper

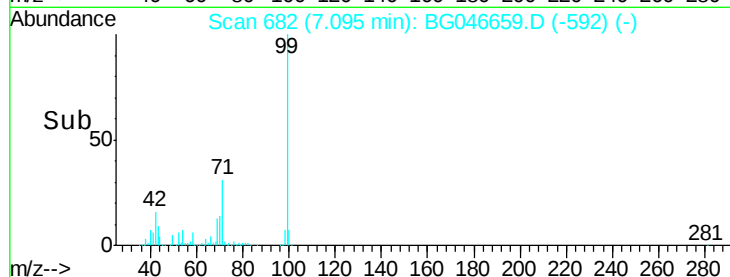
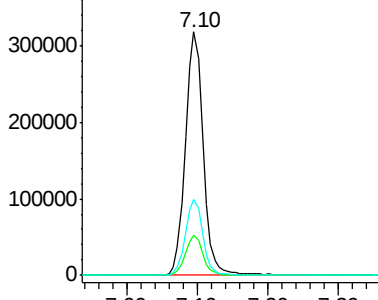
99 100

42 16.2 12.8 19.2

71 31.3 24.6 36.8



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: 10.72 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BG046659.D

Acq: 17 Sep 2020 11:51

Tgt Ion: 136 Resp: 193707

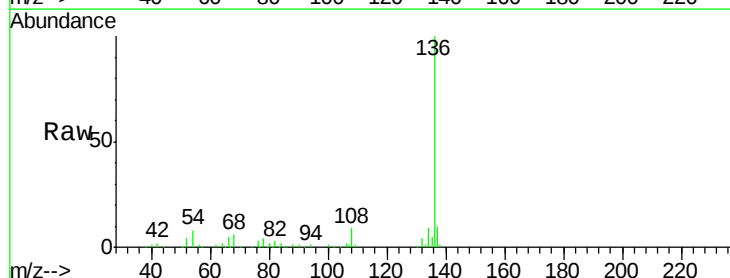
Ion Ratio Lower Upper

136 100

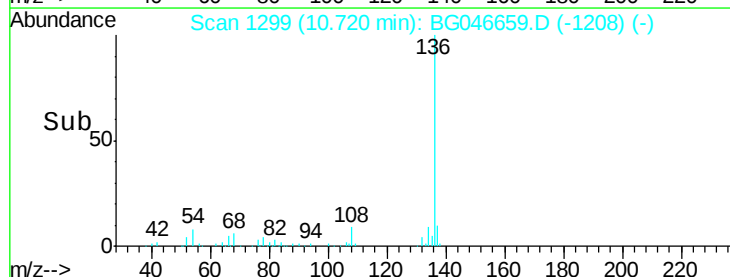
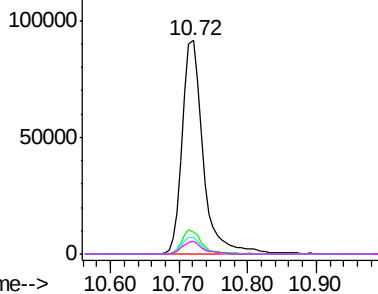
137 10.3 9.1 13.7

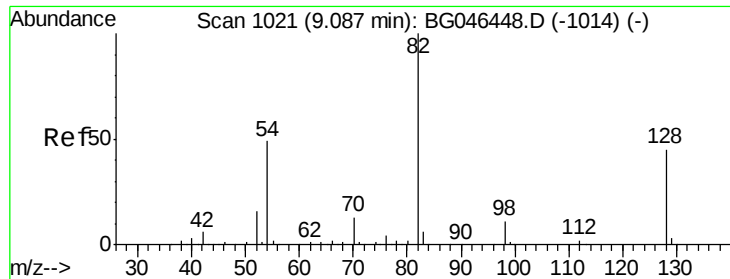
54 7.6 6.2 9.4

68 5.8 5.0 7.4



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

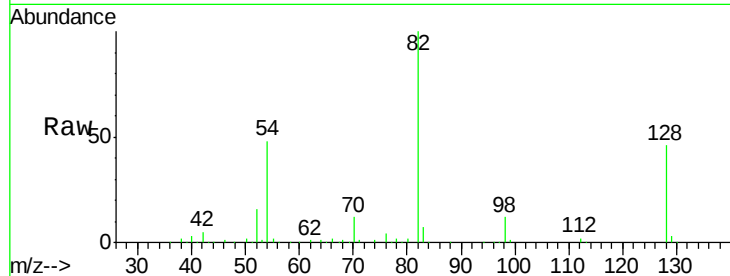




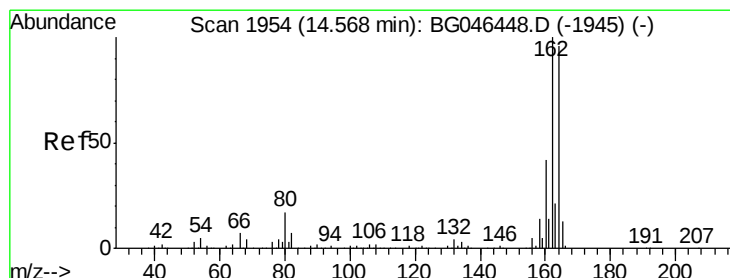
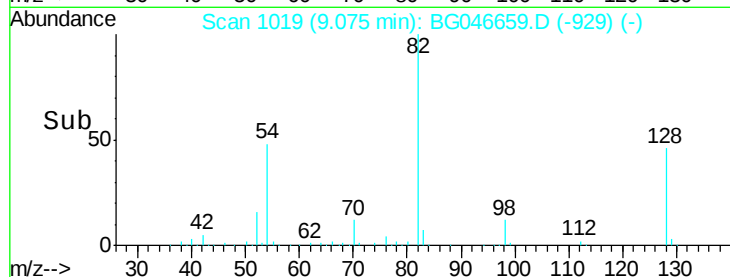
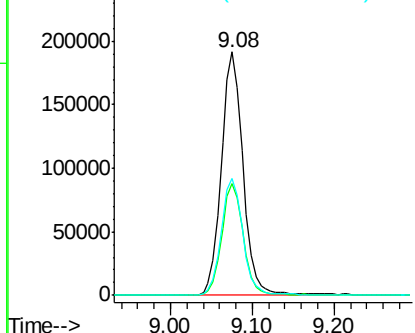
#23  
Nitrobenzene-d5  
Concen: 104.949 ng  
RT: 9.08 min Scan# 1019  
Delta R.T. -0.00 min  
Lab File: BG046659.D  
Acq: 17 Sep 2020 11:51

Instrument :  
BNA\_G  
ClientSampleId :  
PB131657TB

Tot Ion: 82 Resp: 355686  
Ion Ratio Lower Upper  
82 100  
128 45.8 37.0 55.6  
54 48.0 39.0 58.4

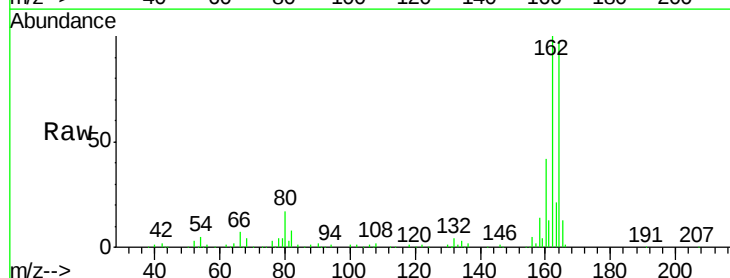


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

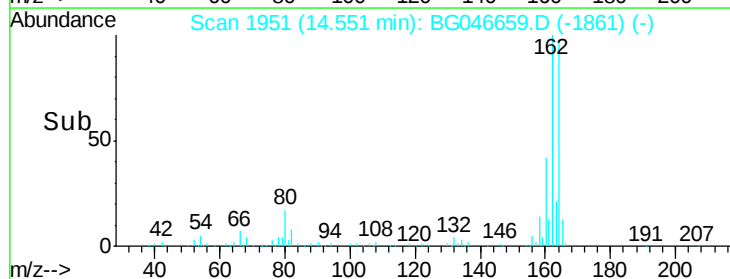
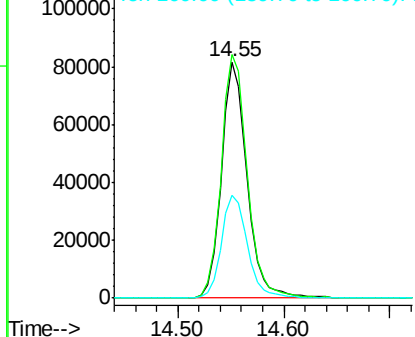


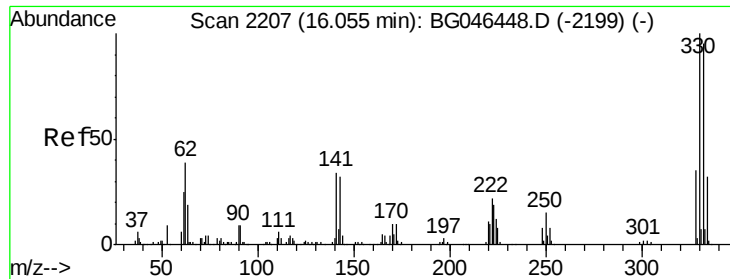
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.55 min Scan# 1951  
Delta R.T. -0.00 min  
Lab File: BG046659.D  
Acq: 17 Sep 2020 11:51

Tgt Ion: 164 Resp: 136836  
Ion Ratio Lower Upper  
164 100  
162 103.2 82.3 123.5  
160 43.3 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

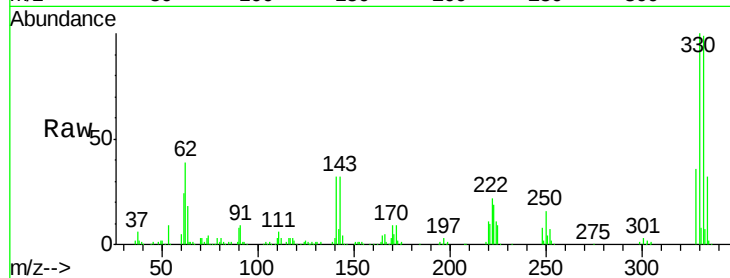




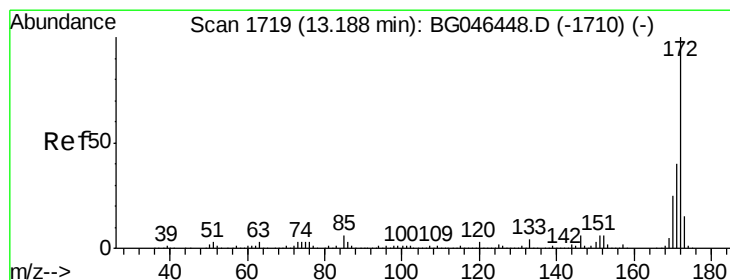
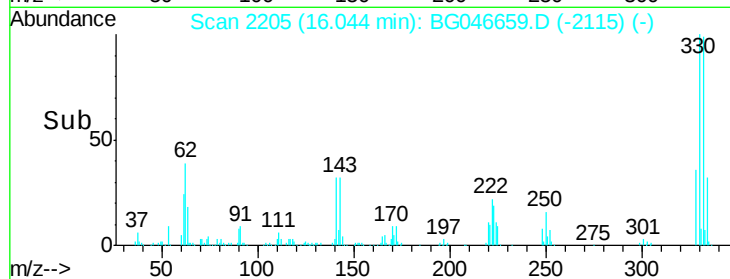
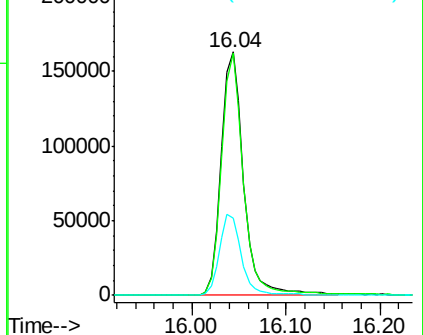
#42  
 2,4,6-Tribromophenol  
 Concen: 147.304 ng  
 RT: 16.04 min Scan# 2205  
 Delta R.T. -0.00 min  
 Lab File: BG046659.D  
 Acq: 17 Sep 2020 11:51

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB131657TB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.0  | 76.5  | 114.7 |
| 141     | 33.0  | 26.0  | 39.0  |

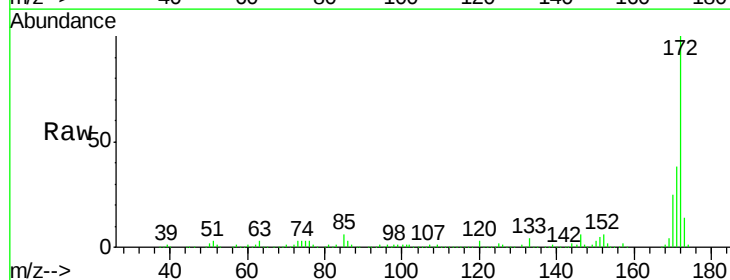


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

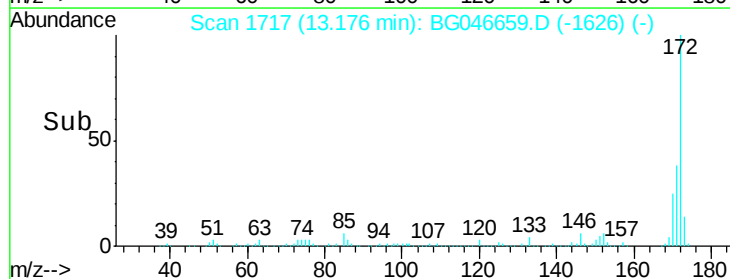
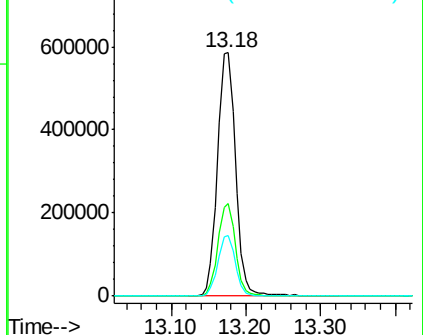


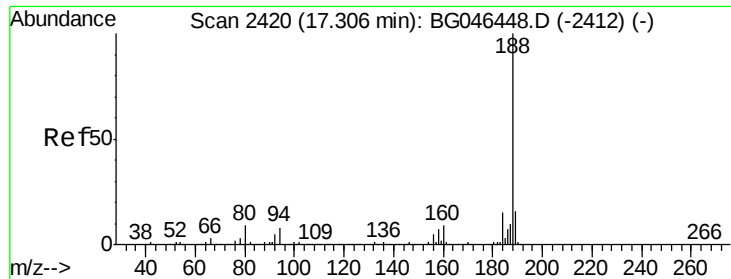
#45  
 2-Fluorobiphenyl  
 Concen: 110.517 ng  
 RT: 13.18 min Scan# 1717  
 Delta R.T. 0.00 min  
 Lab File: BG046659.D  
 Acq: 17 Sep 2020 11:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.1  | 31.3  | 46.9  |
| 170     | 24.8  | 20.8  | 31.2  |



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: 17.30 min Scan# 2418

Delta R.T. -0.00 min

Lab File: BG046659.D

Acq: 17 Sep 2020 11:51

Instrument :

BNA\_G

ClientSampleId :

PB131657TB

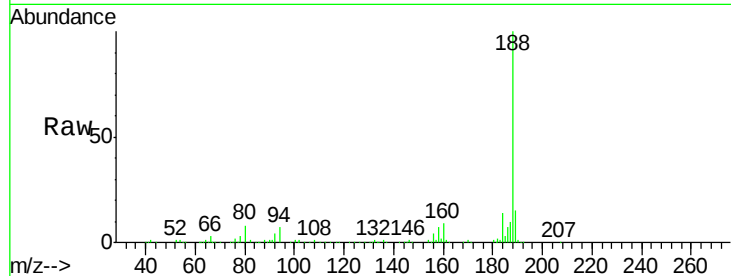
Tot Ion:188 Resp: 370277

Ion Ratio Lower Upper

188 100

94 7.4 6.3 9.5

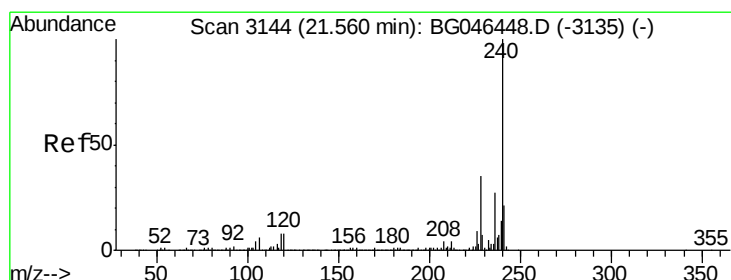
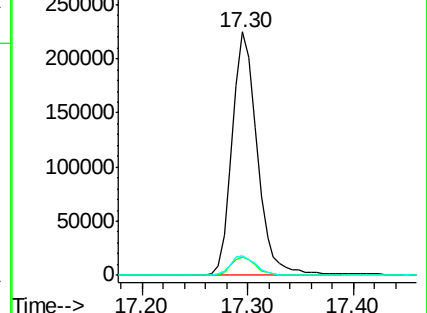
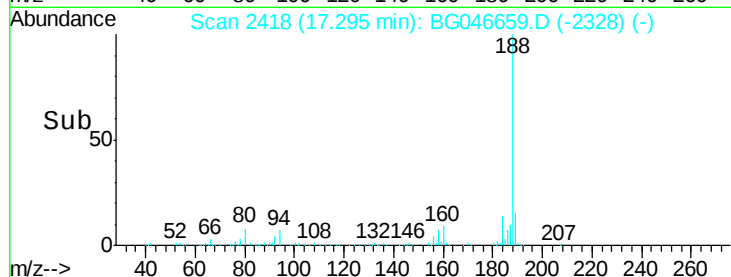
80 8.1 7.0 10.6



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: 21.54 min Scan# 3141

Delta R.T. -0.00 min

Lab File: BG046659.D

Acq: 17 Sep 2020 11:51

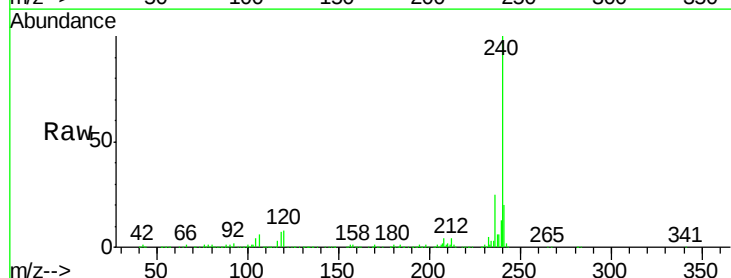
Tgt Ion:240 Resp: 453343

Ion Ratio Lower Upper

240 100

120 8.2 6.2 9.4

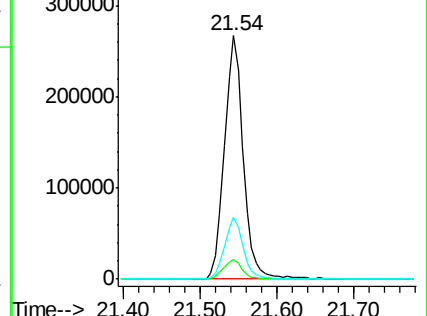
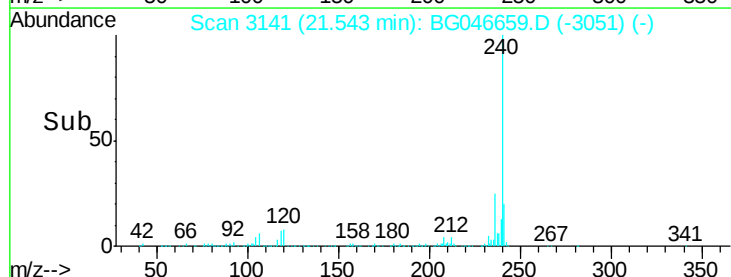
236 25.3 20.5 30.7

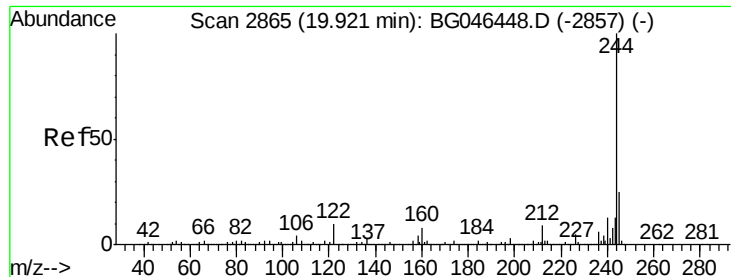


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 90.851 ng

RT: 19.92 min Scan# 2864

Delta R.T. 0.00 min

Lab File: BG046659.D

Acq: 17 Sep 2020 11:51

Instrument :

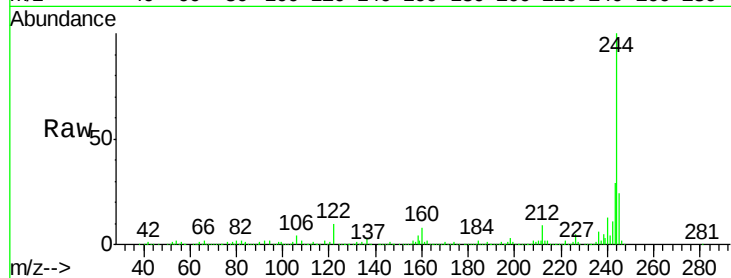
BNA\_G

ClientSampleId :

PB131657TB

Tot Ion:244 Resp: 1935293

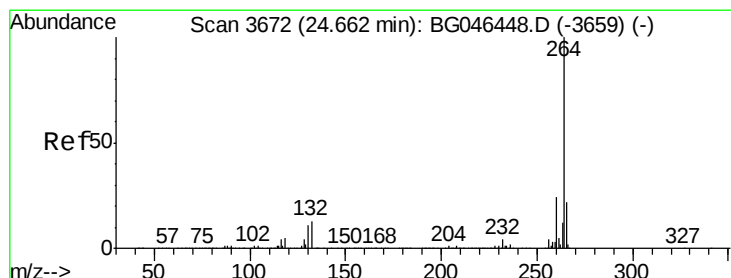
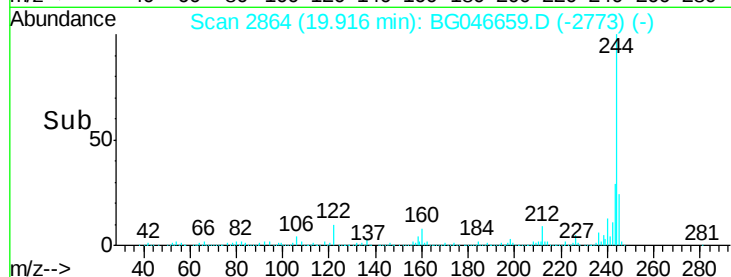
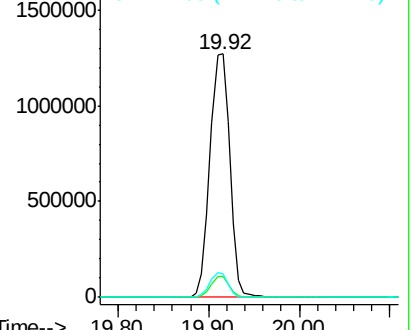
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.6   | 6.7   | 10.1  |
| 122 | 9.7   | 7.8   | 11.6  |



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.64 min Scan# 3668

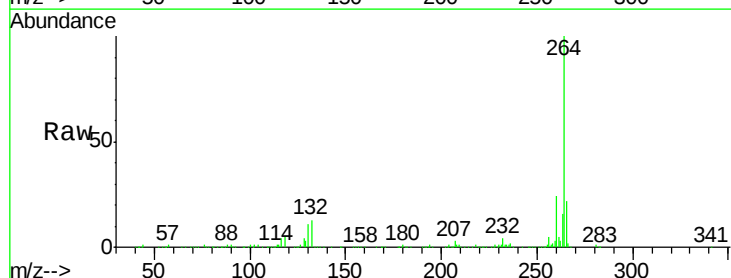
Delta R.T. -0.00 min

Lab File: BG046659.D

Acq: 17 Sep 2020 11:51

Tgt Ion:264 Resp: 431748

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.1  | 18.8  | 28.2  |
| 265 | 22.1  | 17.8  | 26.8  |



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

