

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101819\  
 Data File : BG043286.D  
 Acq On : 18 Oct 2019 21:56  
 Operator : JU  
 Sample : PB124106BL  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB124106BL

Quant Time: Oct 19 01:20:39 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 09 01:11:45 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.04  | 152  | 43581    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.84 | 136  | 152195   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.66 | 164  | 113135   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.41 | 188  | 282845   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.68 | 240  | 321938   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 24.89 | 264  | 355063   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.62  | 112  | 138572   | 56.74  | ng    | -0.02    |
| 7) Phenol-d6                | 7.21  | 99   | 122346   | 34.79  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 9.20  | 82   | 258358   | 82.51  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 16.15 | 330  | 197471   | 101.51 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 13.29 | 172  | 708306   | 90.76  | ng    | -0.02    |
| 79) Terphenyl-d14           | 20.02 | 244  | 1580433  | 104.61 | ng    | -0.01    |

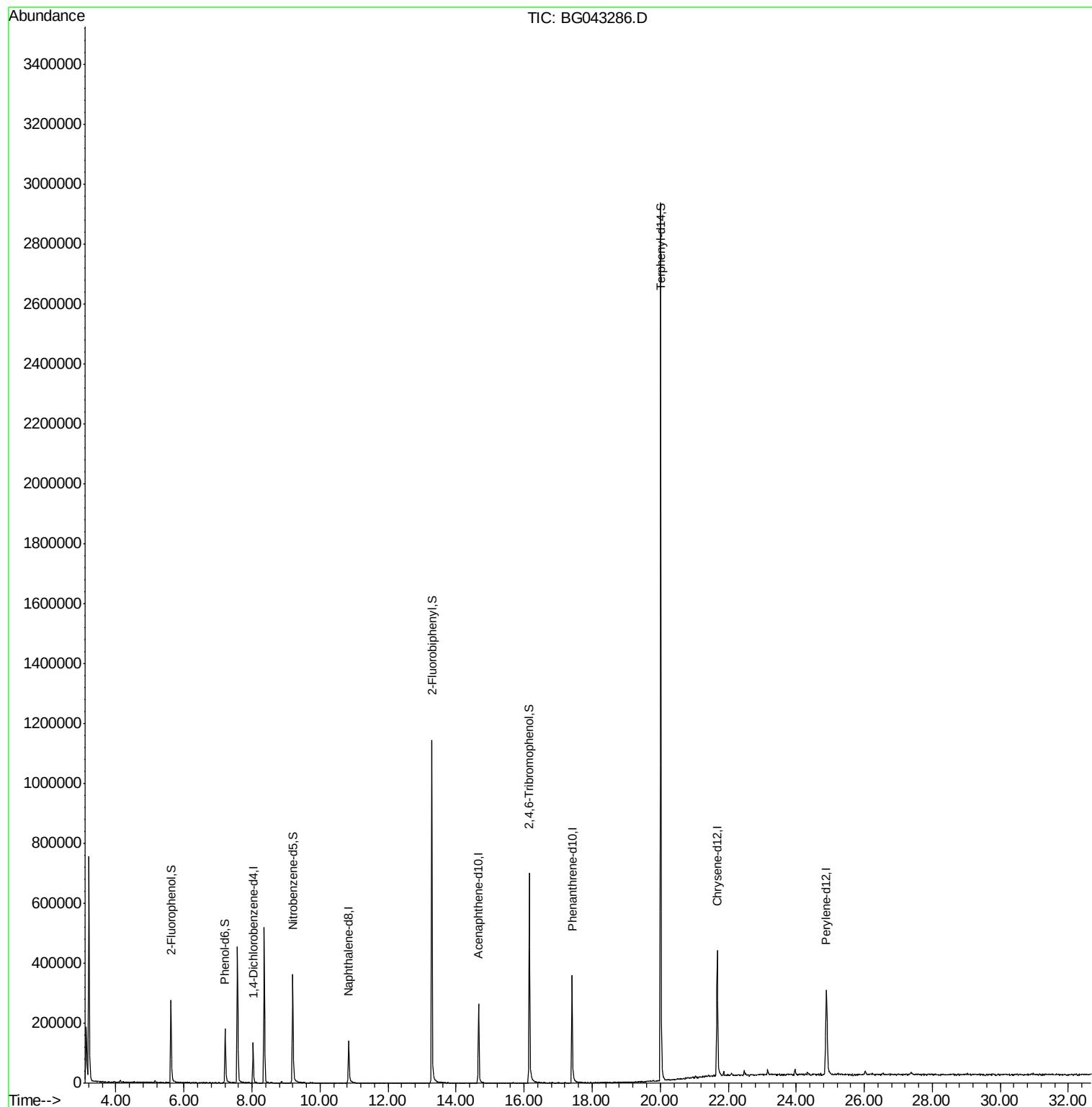
Target Compounds Qvalue

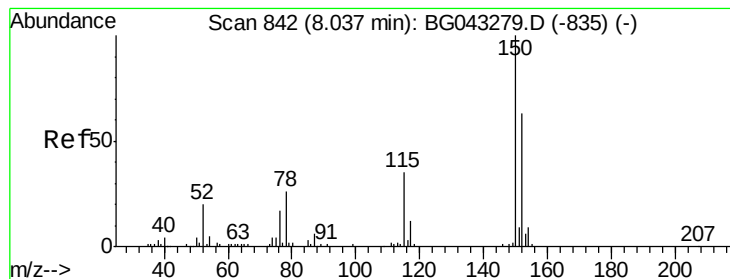
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101819\  
Data File : BG043286.D  
Acq On : 18 Oct 2019 21:56  
Operator : JU  
Sample : PB124106BL  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
PB124106BL

Quant Time: Oct 19 01:20:39 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 09 01:11:45 2019  
Response via : Initial Calibration



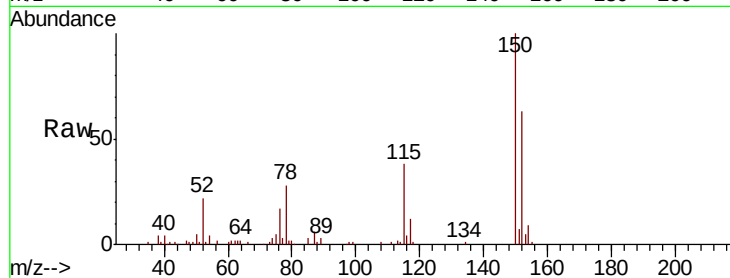


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.04 min Scan# 842  
 Delta R.T. -0.02 min  
 Lab File: BG043286.D  
 Acq: 18 Oct 2019 21:56

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB124106BL

| Tot Ion | 152   | Resp  | 43581 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 152     | 100   |       |       |
| 150     | 158.8 | 115.0 | 172.4 |
| 115     | 60.1  | 47.0  | 70.6  |

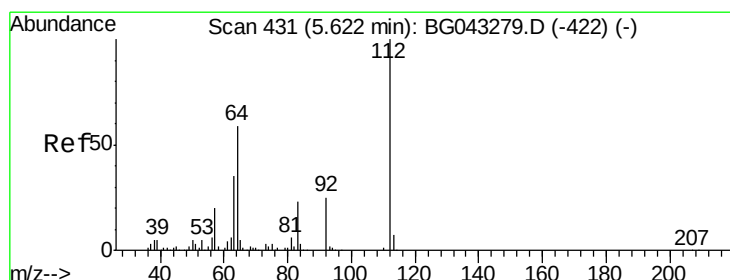
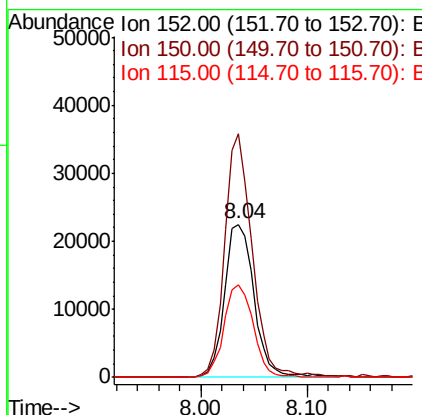
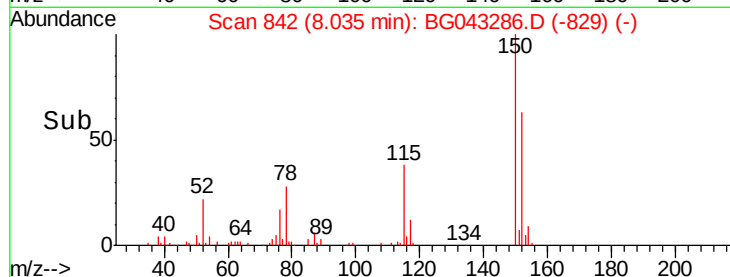


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

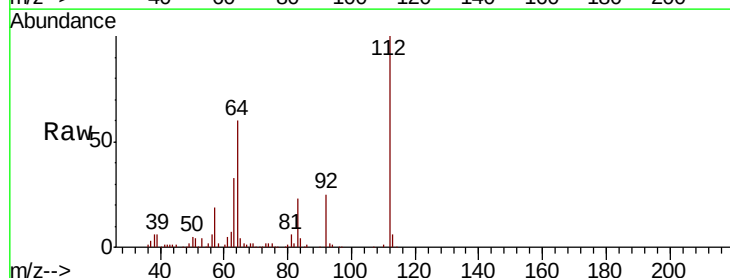
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
 Concen: 56.745 ng  
 RT: 5.62 min Scan# 431  
 Delta R.T. -0.02 min  
 Lab File: BG043286.D  
 Acq: 18 Oct 2019 21:56

| Tgt Ion | 112   | Resp  | 138572 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 112     | 100   |       |        |
| 64      | 59.5  | 56.6  | 84.8   |
| 63      | 33.1  | 35.1  | 52.7#  |

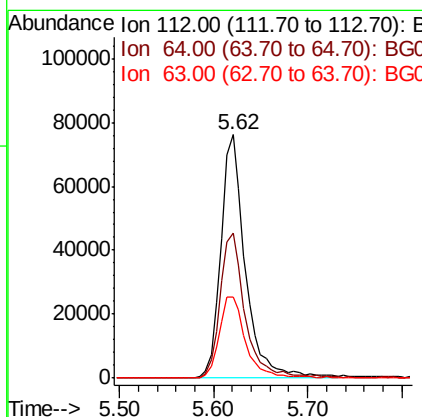
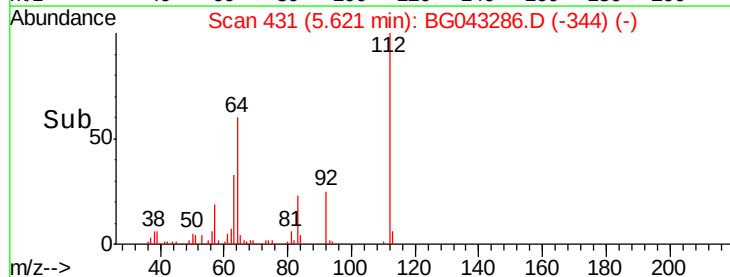


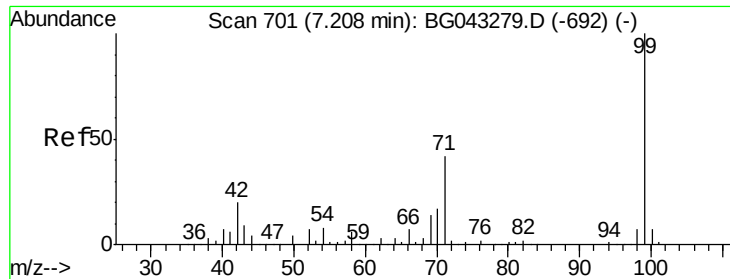
Abundance

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: 34.790 ng

RT: 7.21 min Scan# 702

Delta R.T. -0.02 min

Lab File: BG043286.D

Acq: 18 Oct 2019 21:56

Instrument :

BNA\_G

ClientSampleId :

PB124106BL

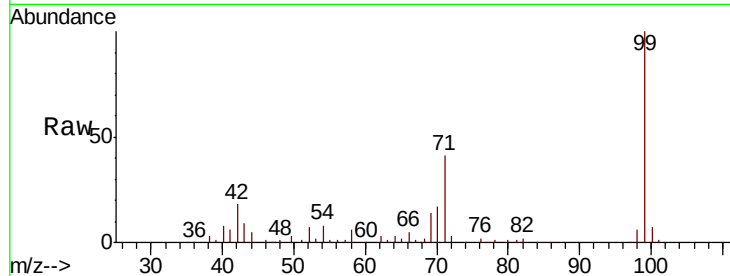
Tot Ion: 99 Resp: 122346

Ion Ratio Lower Upper

99 100

42 17.6 17.2 25.8

71 40.6 33.1 49.7

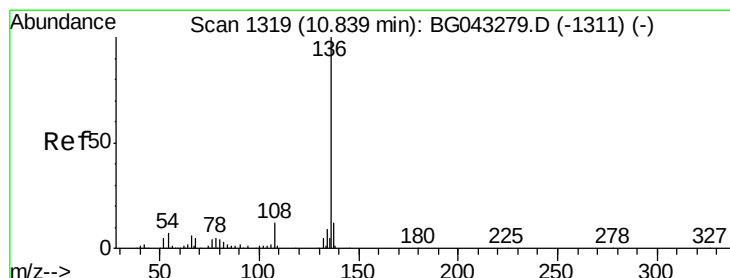
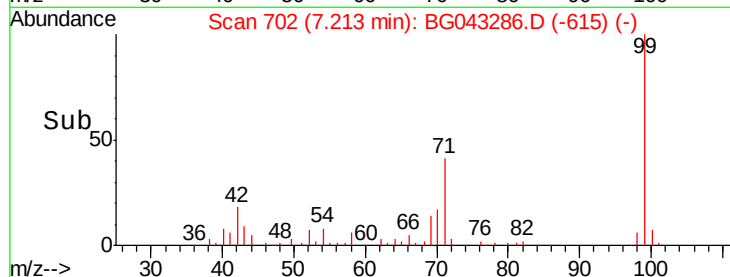
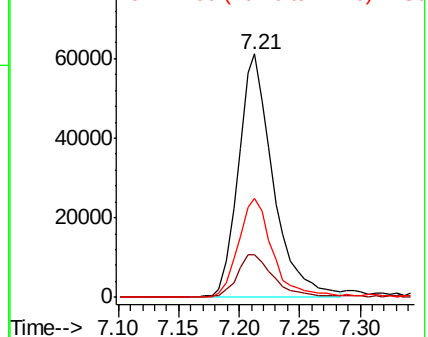


Abundance

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: 10.84 min Scan# 1320

Delta R.T. -0.02 min

Lab File: BG043286.D

Acq: 18 Oct 2019 21:56

Tgt Ion: 136 Resp: 152195

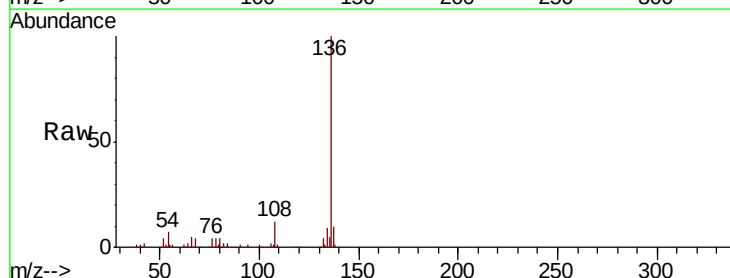
Ion Ratio Lower Upper

136 100

137 9.9 8.5 12.7

54 6.9 7.4 11.2#

68 3.7 3.6 5.4



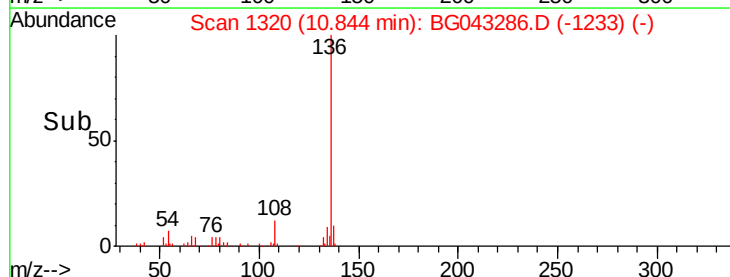
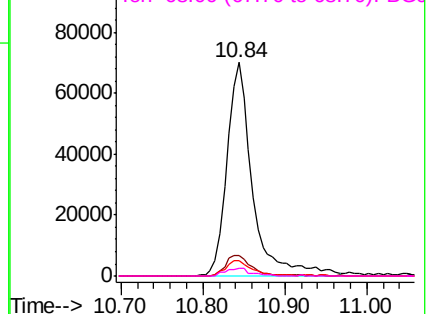
Abundance

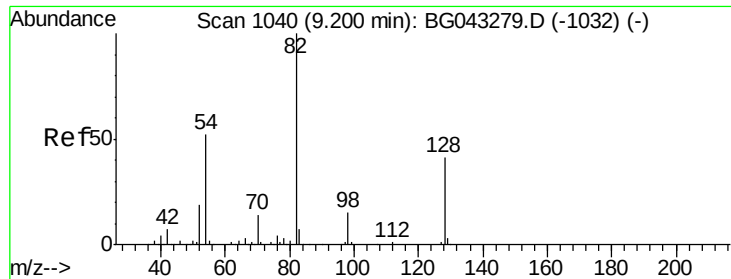
Ion 136.00 (135.70 to 136.70): BGC

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

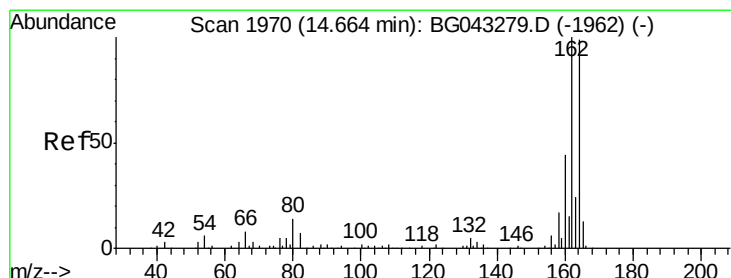
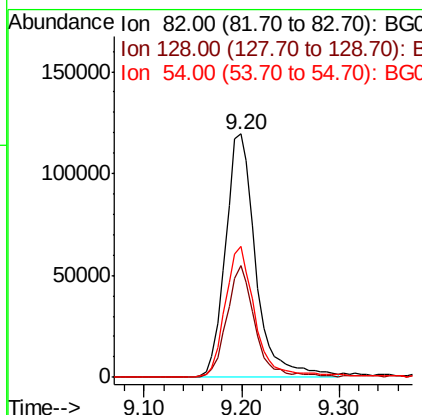
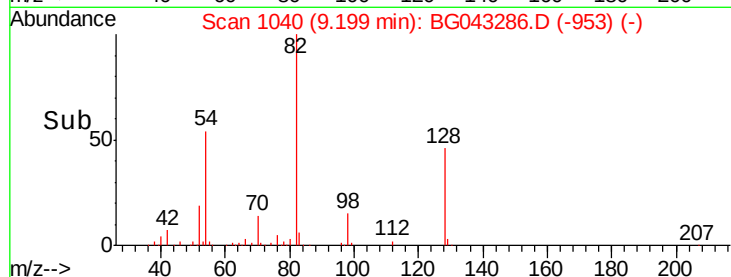
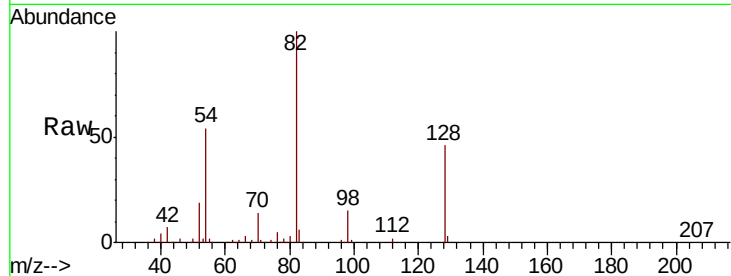




#23  
 Nitrobenzene-d5  
 Concen: 82.509 ng  
 RT: 9.20 min Scan# 1040  
 Delta R.T. -0.02 min  
 Lab File: BG043286.D  
 Acq: 18 Oct 2019 21:56

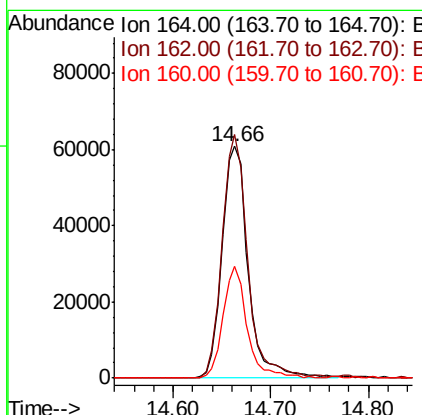
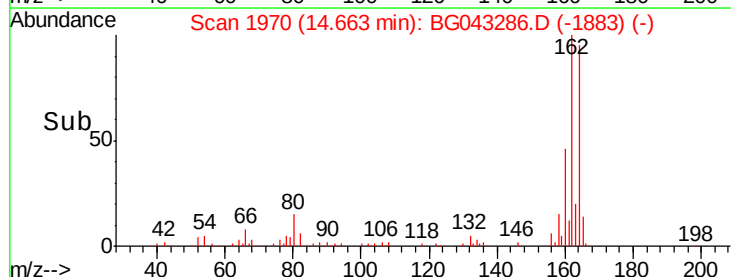
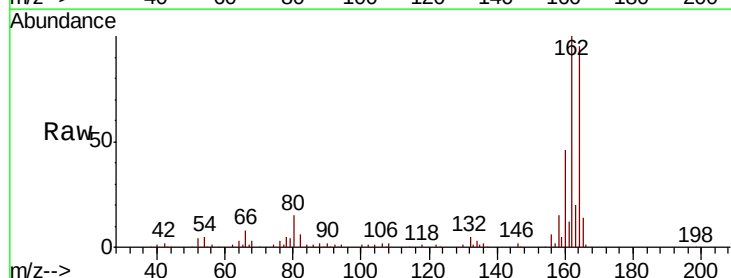
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB124106BL

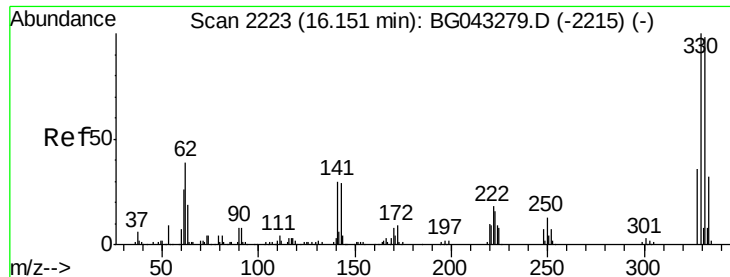
| Tot Ion   | 82   | Resp  | 258358 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 45.8 | 29.5  | 44.3#  |
| 54        | 54.0 | 44.6  | 67.0   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.66 min Scan# 1970  
 Delta R.T. -0.02 min  
 Lab File: BG043286.D  
 Acq: 18 Oct 2019 21:56

| Tgt Ion   | 164   | Resp  | 113135 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 104.9 | 78.5  | 117.7  |
| 160       | 47.9  | 35.9  | 53.9   |





#42

2,4,6-Tribromophenol

Concen: 101.505 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.02 min

Lab File: BG043286.D

Acq: 18 Oct 2019 21:56

Instrument :

BNA\_G

ClientSampleId :

PB124106BL

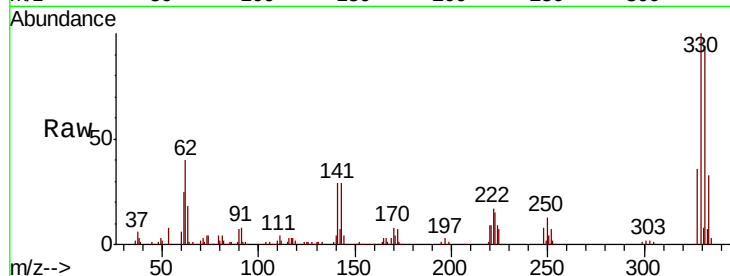
Tot Ion:330 Resp: 197471

Ion Ratio Lower Upper

330 100

332 95.7 78.2 117.2

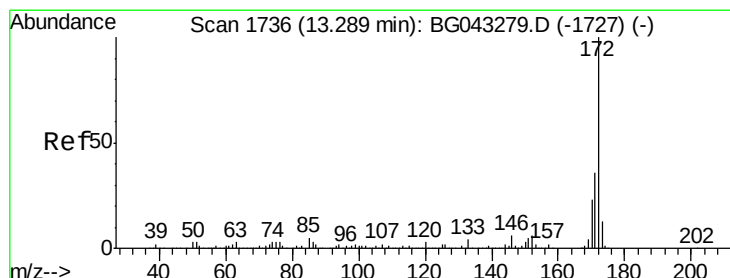
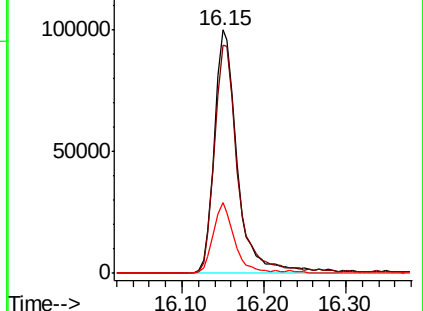
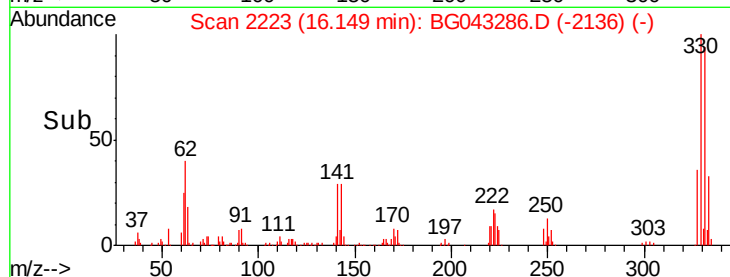
141 26.8 26.0 39.0



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: 90.761 ng

RT: 13.29 min Scan# 1736

Delta R.T. -0.02 min

Lab File: BG043286.D

Acq: 18 Oct 2019 21:56

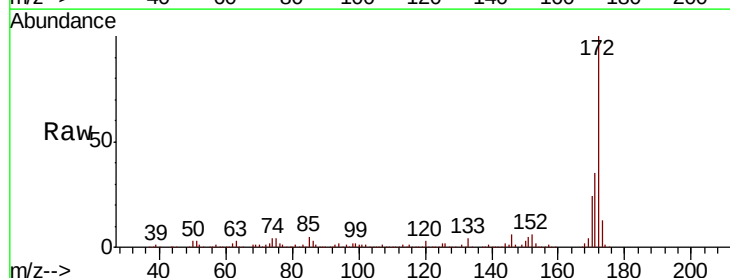
Tgt Ion:172 Resp: 708306

Ion Ratio Lower Upper

172 100

171 35.2 29.6 44.4

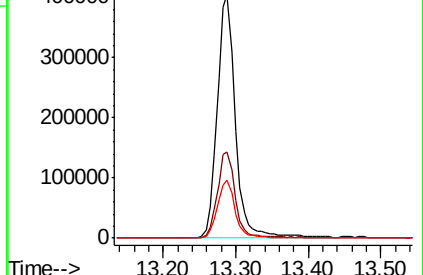
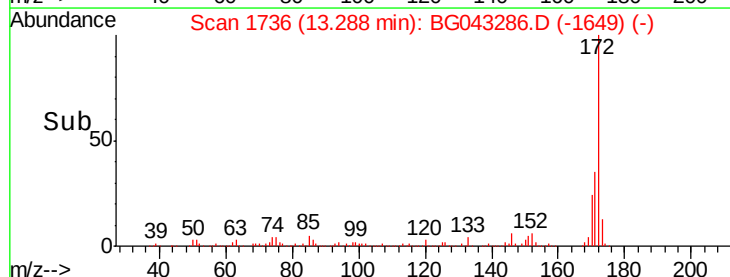
170 24.0 19.6 29.4

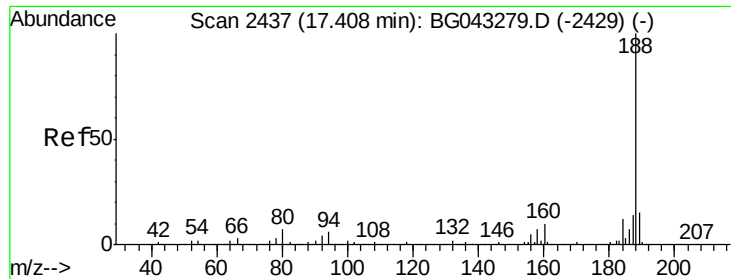


Abundance Ion 172.00 (171.70 to 172.70): E

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: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG043286.D

Acq: 18 Oct 2019 21:56

Instrument :

BNA\_G

ClientSampleId :

PB124106BL

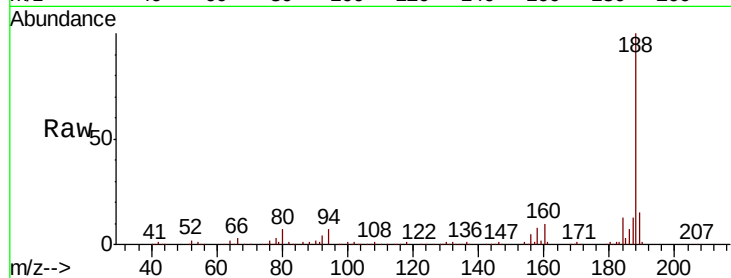
Tot Ion:188 Resp: 282845

Ion Ratio Lower Upper

188 100

94 6.7 5.7 8.5

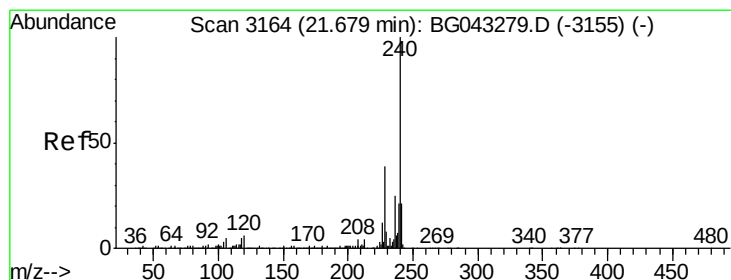
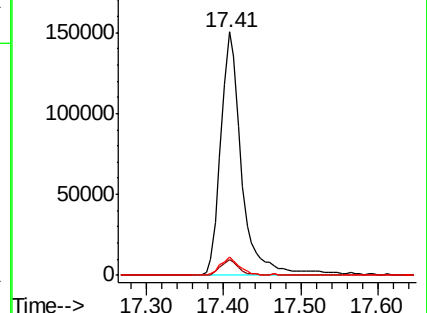
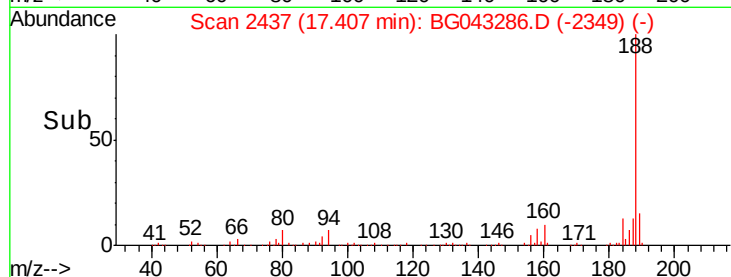
80 7.4 6.5 9.7



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: 21.68 min Scan# 3164

Delta R.T. -0.01 min

Lab File: BG043286.D

Acq: 18 Oct 2019 21:56

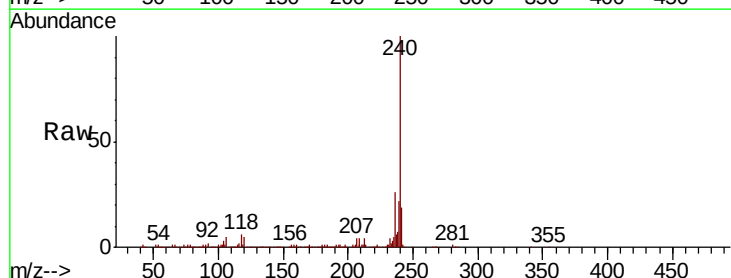
Tgt Ion:240 Resp: 321938

Ion Ratio Lower Upper

240 100

120 5.4 4.8 7.2

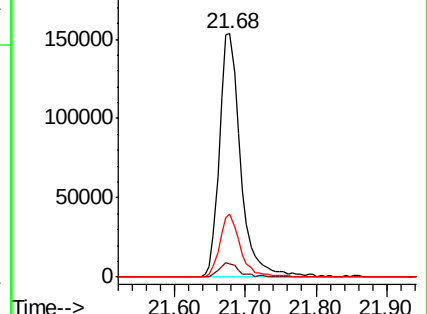
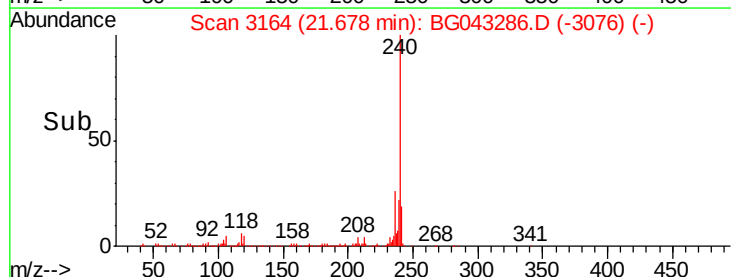
236 26.1 21.4 32.0

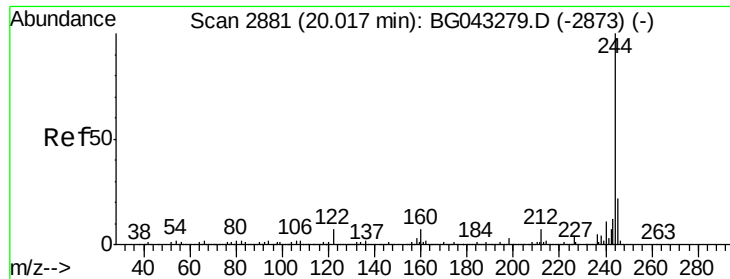


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



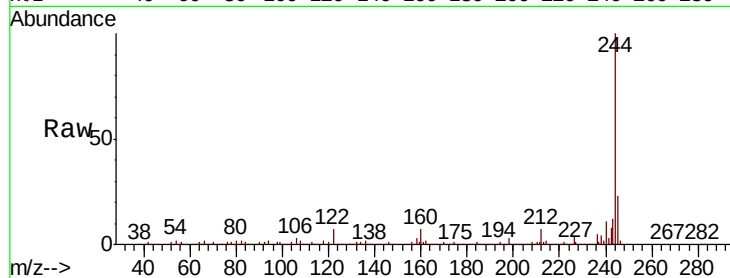


#79  
 Terphenyl-d14  
 Concen: 104.608 ng  
 RT: 20.02 min Scan# 2881  
 Delta R.T. -0.01 min  
 Lab File: BG043286.D  
 Acq: 18 Oct 2019 21:56

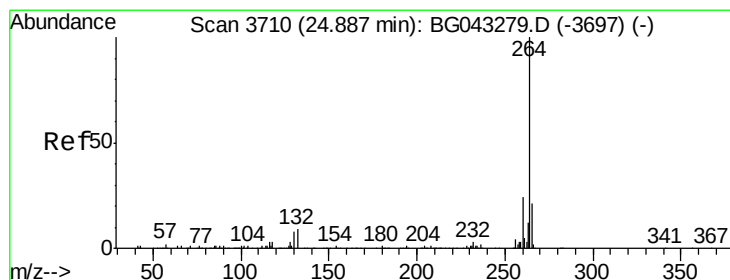
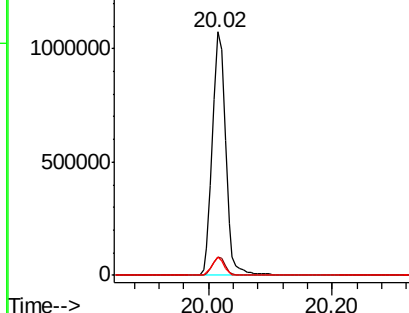
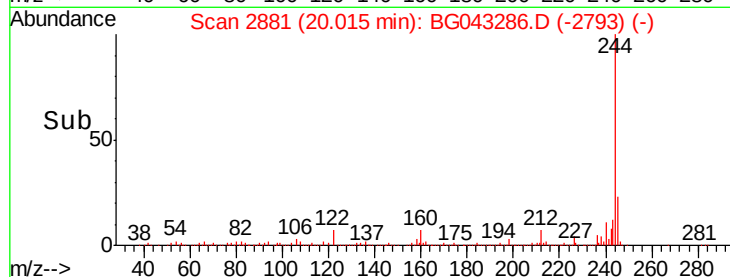
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB124106BL

Tot Ion:244 Resp: 1580433  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.4   | 7.4   | 11.0  |
| 122 | 7.4   | 7.0   | 10.4  |



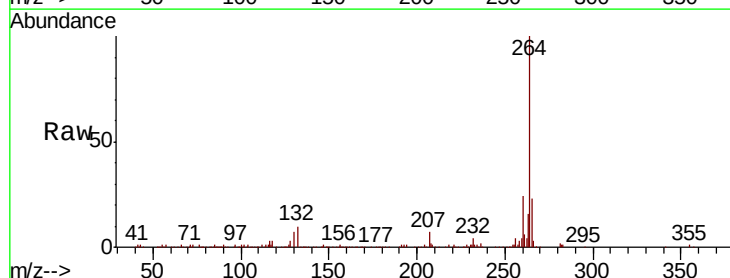
Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 24.89 min Scan# 3710  
 Delta R.T. -0.02 min  
 Lab File: BG043286.D  
 Acq: 18 Oct 2019 21:56

Tgt Ion:264 Resp: 355063  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 18.7  | 28.1  |
| 265 | 22.7  | 17.7  | 26.5  |



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

