

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091619\  
 Data File : BG042853.D  
 Acq On : 16 Sep 2019 17:55  
 Operator : HP/JU  
 Sample : K4859-04  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 IDW-GW807-091119

Quant Time: Sep 17 03:39:37 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 12 14:06:09 2019  
 Response via : Initial Calibration

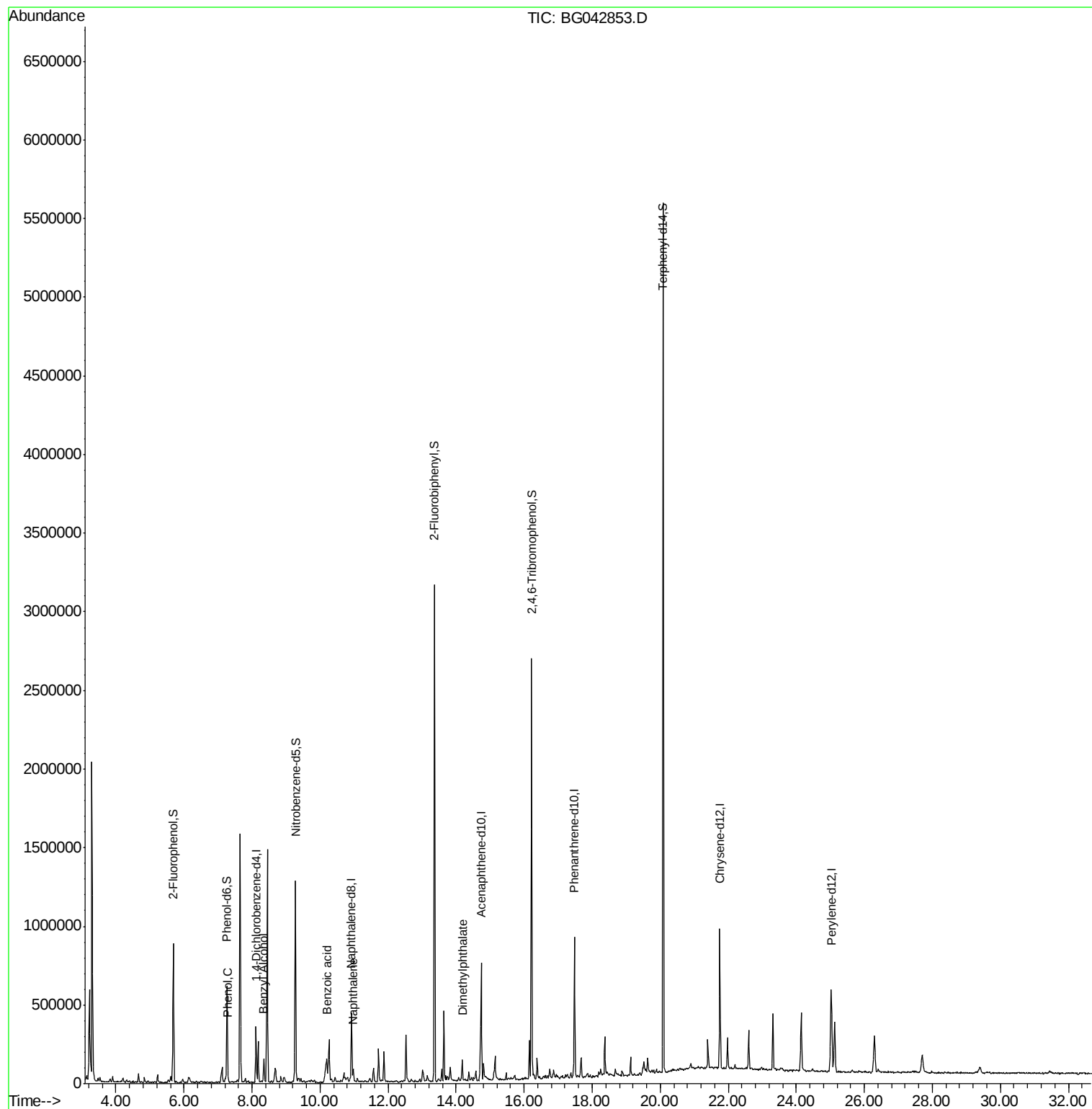
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.12  | 152  | 100693   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.92 | 136  | 367258   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.74 | 164  | 246222   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.48 | 188  | 548537   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.75 | 240  | 545761   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 25.03 | 264  | 601832   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.68  | 112  | 366650   | 63.31  | ng    | 0.00     |
| 7) Phenol-d6                | 7.26  | 99   | 323786   | 38.95  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.27  | 82   | 792923   | 112.40 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.22 | 330  | 508344   | 155.18 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.36 | 172  | 1624059  | 104.41 | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.08 | 244  | 2462093  | 99.98  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.29  | 94   | 23197    | 2.721  | ng    | 90       |
| 15) Benzyl Alcohol          | 8.35  | 79   | 52947    | 7.422  | ng    | 99       |
| 31) Naphthalene             | 10.98 | 128  | 61017    | 3.365  | ng    | 94       |
| 32) Benzoic acid            | 10.20 | 122  | 87364    | 24.330 | ng    | 93       |
| 50) Dimethylphthalate       | 14.18 | 163  | 85163    | 4.617  | ng    | 100      |

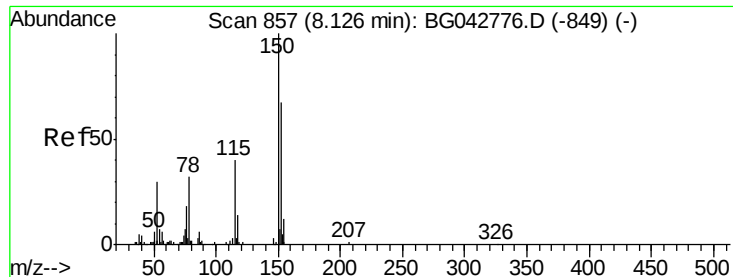
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091619\  
Data File : BG042853.D  
Acq On : 16 Sep 2019 17:55  
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Sample : K4859-04  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
IDW-GW807-091119

Quant Time: Sep 17 03:39:37 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Response via : Initial Calibration



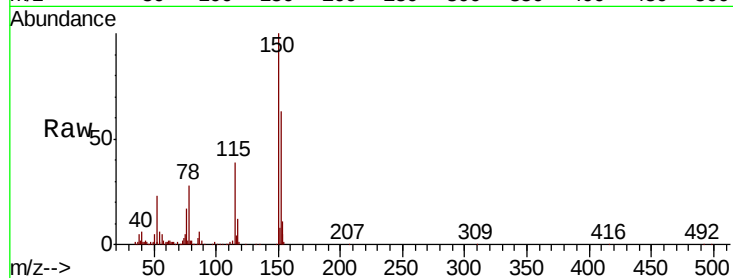


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.12 min Scan# 856  
 Delta R.T. -0.01 min  
 Lab File: BG042853.D  
 Acq: 16 Sep 2019 17:55

Instrument :  
 BNA\_G  
 ClientSampleId :  
 IDW-GW807-091119

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.8 | 118.9 | 178.3 |
| 115     | 62.4  | 47.4  | 71.2  |

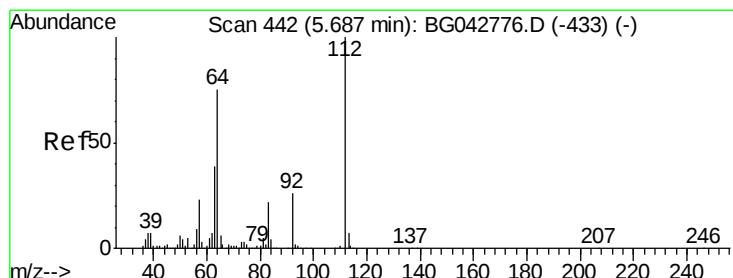
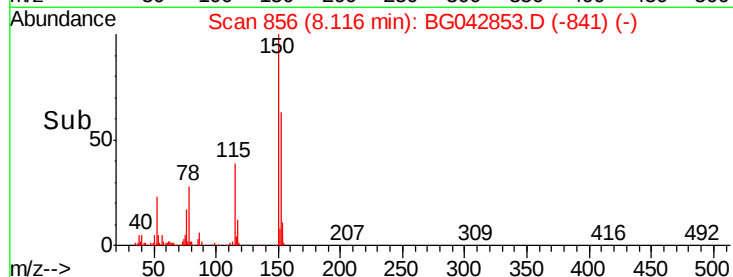
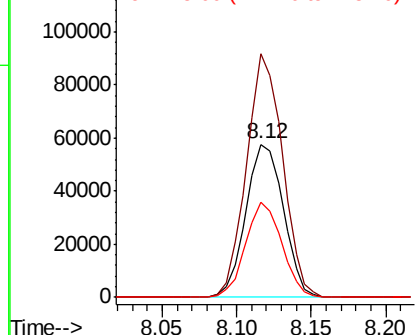


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

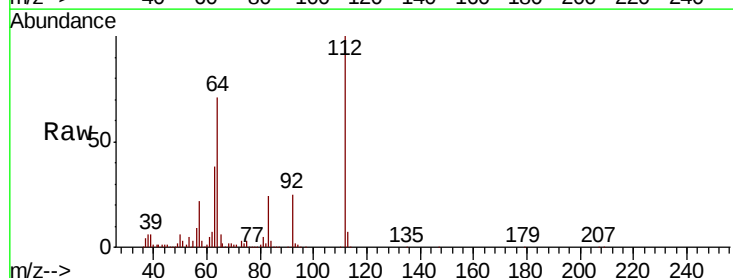
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
 Concen: 63.305 ng  
 RT: 5.68 min Scan# 442  
 Delta R.T. -0.00 min  
 Lab File: BG042853.D  
 Acq: 16 Sep 2019 17:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 71.3  | 60.2  | 90.2  |
| 63      | 38.0  | 31.2  | 46.8  |

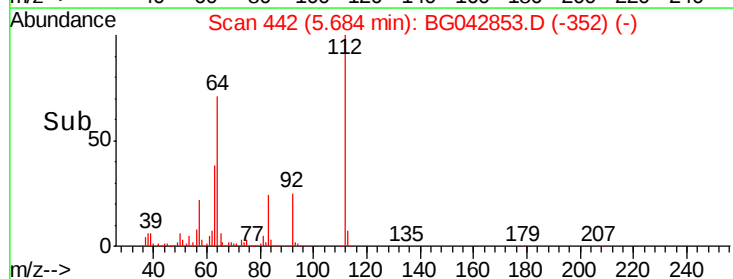
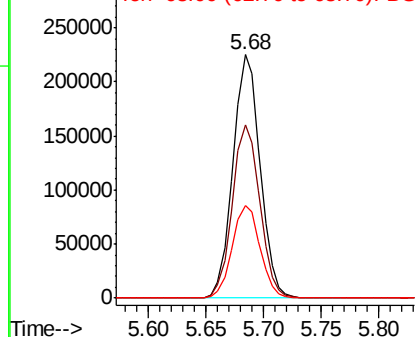


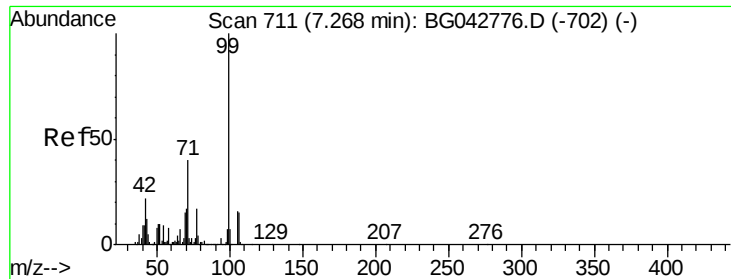
Abundance

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: 38.949 ng

RT: 7.26 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG042853.D

Acq: 16 Sep 2019 17:55

Instrument :

BNA\_G

ClientSampleId :

IDW-GW807-091119

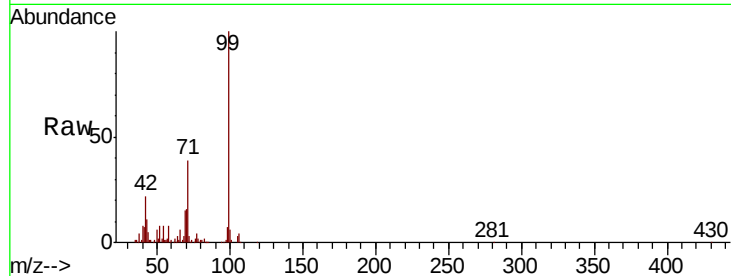
Tot Ion: 99 Resp: 323786

Ion Ratio Lower Upper

99 100

42 21.7 17.5 26.3

71 39.2 32.0 48.0

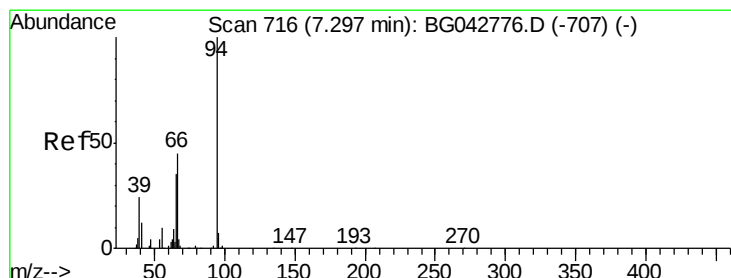
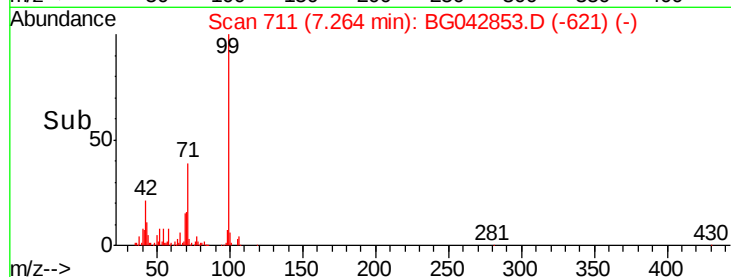
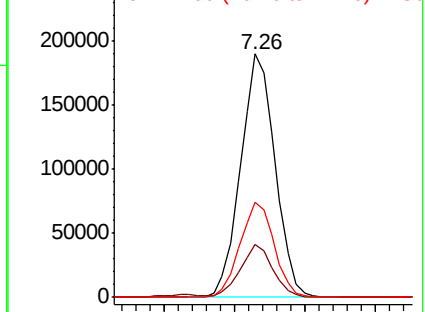


Abundance

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



#10

Phenol

Concen: 2.721 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.00 min

Lab File: BG042853.D

Acq: 16 Sep 2019 17:55

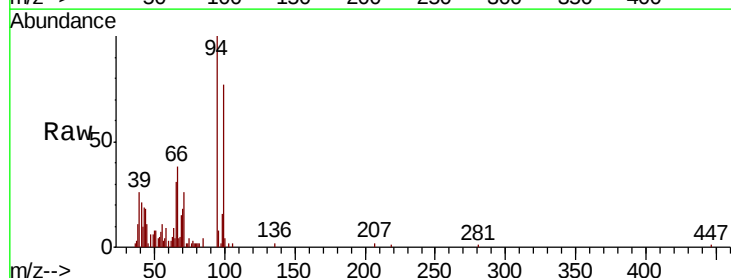
Tgt Ion: 94 Resp: 23197

Ion Ratio Lower Upper

94 100

65 30.6 15.0 55.0

66 38.4 26.1 66.1

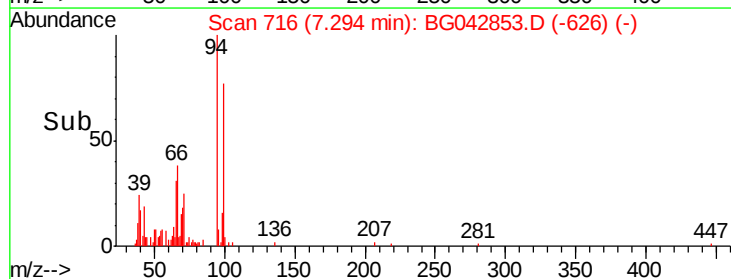
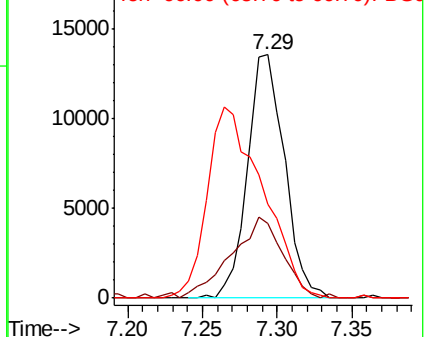


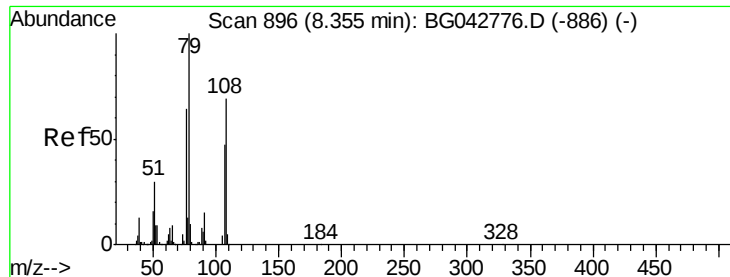
Abundance

Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 7.422 ng

RT: 8.35 min Scan# 895

Delta R.T. -0.01 min

Lab File: BG042853.D

Acq: 16 Sep 2019 17:55

Instrument :

BNA\_G

ClientSampleId :

IDW-GW807-091119

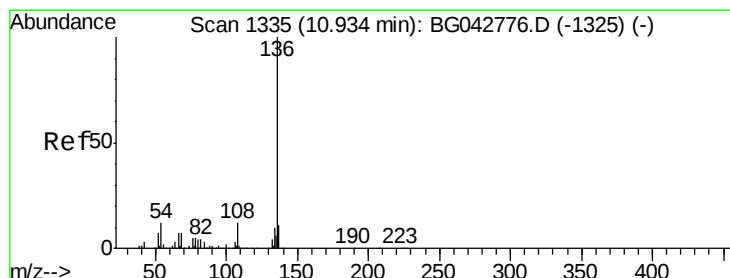
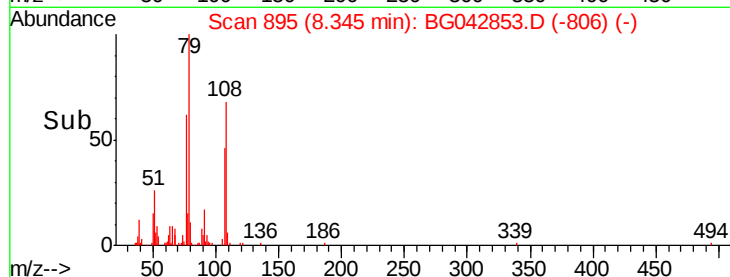
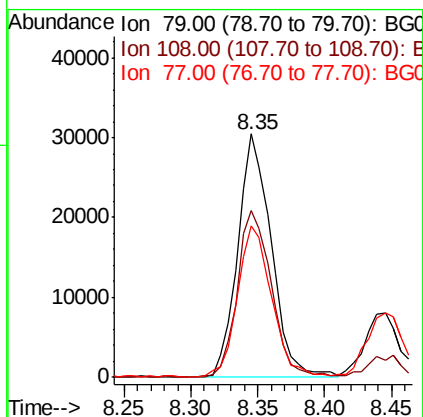
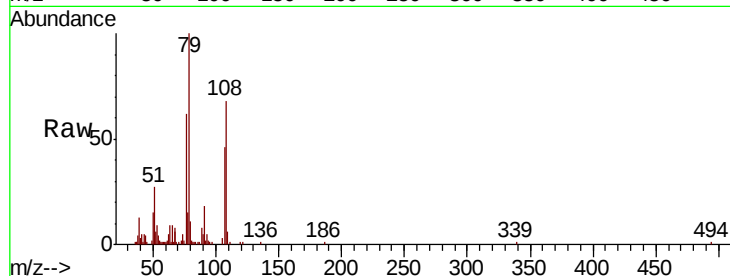
Tot Ion: 79 Resp: 52947

Ion Ratio Lower Upper

79 100

108 68.3 54.9 82.3

77 62.2 51.0 76.6



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.92 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BG042853.D

Acq: 16 Sep 2019 17:55

Tgt Ion: 136 Resp: 367258

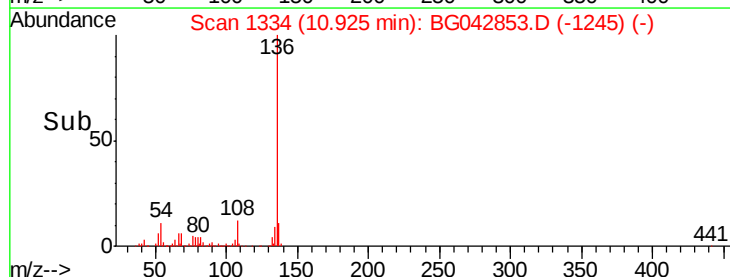
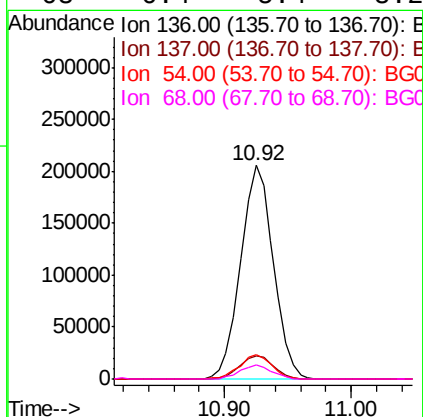
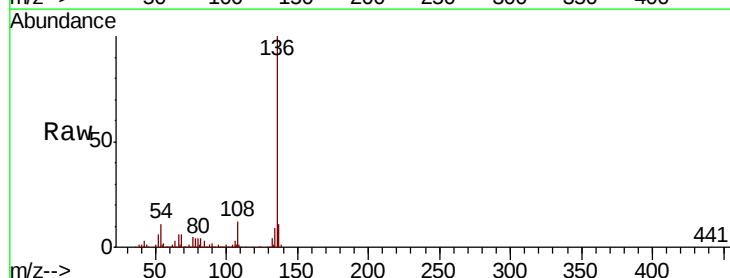
Ion Ratio Lower Upper

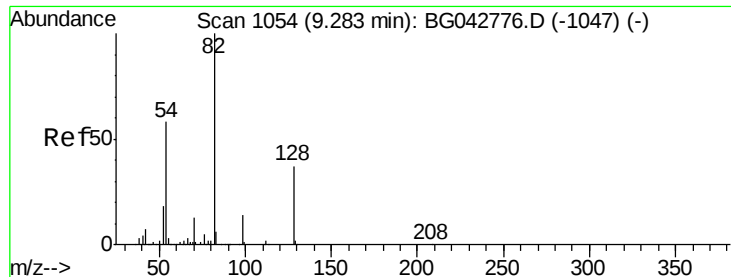
136 100

137 10.9 9.0 13.6

54 11.5 9.4 14.0

68 6.4 5.4 8.2





#23

Nitrobenzene-d5

Concen: 112.405 ng

RT: 9.27 min Scan# 1053

Delta R.T. -0.01 min

Lab File: BG042853.D

Acq: 16 Sep 2019 17:55

Instrument :

BNA\_G

ClientSampleId :

IDW-GW807-091119

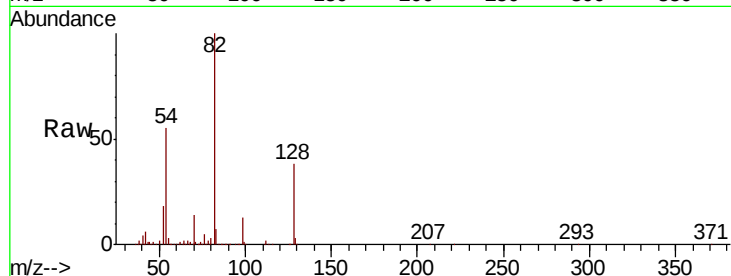
Tot Ion: 82 Resp: 792923

Ion Ratio Lower Upper

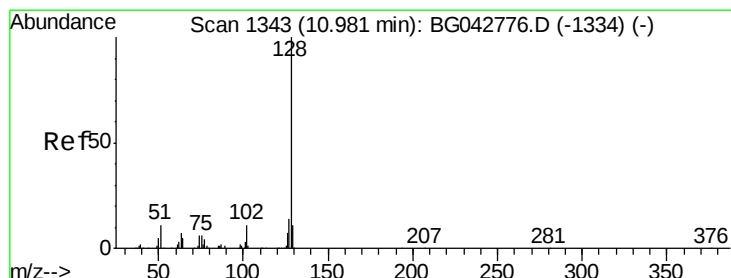
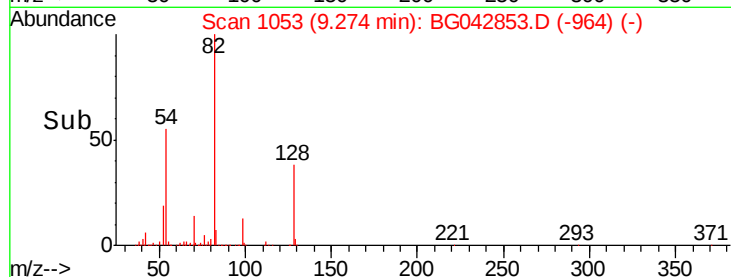
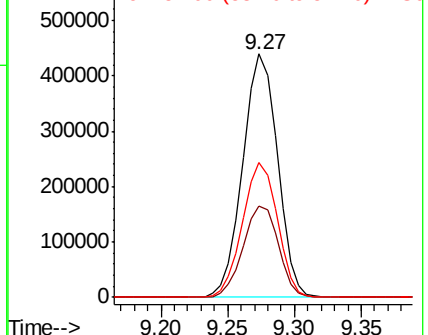
82 100

128 37.7 29.8 44.8

54 55.2 46.1 69.1



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



#31

Naphthalene

Concen: 3.365 ng

RT: 10.98 min Scan# 1343

Delta R.T. -0.00 min

Lab File: BG042853.D

Acq: 16 Sep 2019 17:55

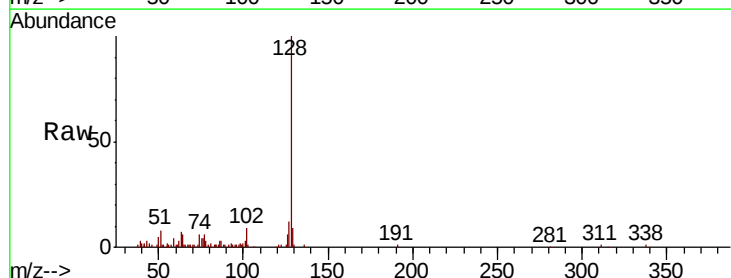
Tgt Ion: 128 Resp: 61017

Ion Ratio Lower Upper

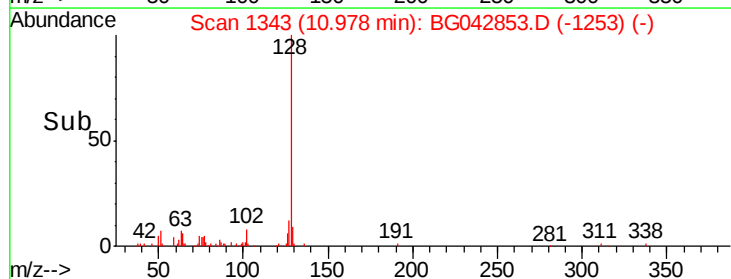
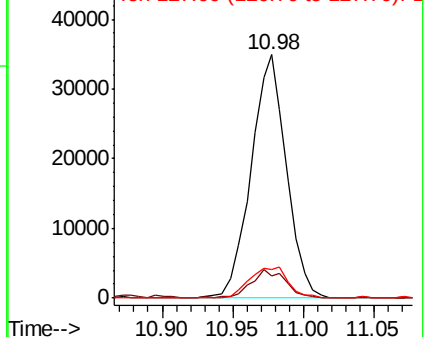
128 100

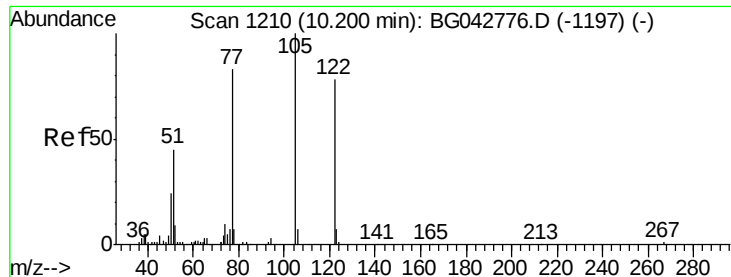
129 9.3 9.0 13.6

127 11.7 11.4 17.2



Abundance Ion 128.00 (127.70 to 128.70): BGC  
Ion 129.00 (128.70 to 129.70): BGC  
Ion 127.00 (126.70 to 127.70): BGC





#32

Benzoic acid

Concen: 24.330 ng

RT: 10.20 min Scan# 1211

Delta R.T. 0.00 min

Lab File: BG042853.D

Acq: 16 Sep 2019 17:55

Instrument :

BNA\_G

ClientSampleId :

IDW-GW807-091119

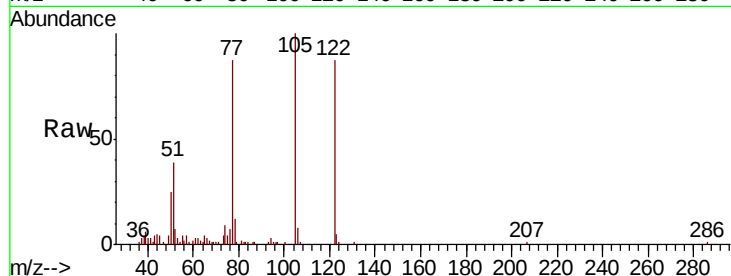
Tot Ion:122 Resp: 87364

Ion Ratio Lower Upper

122 100

105 114.5 104.0 144.0

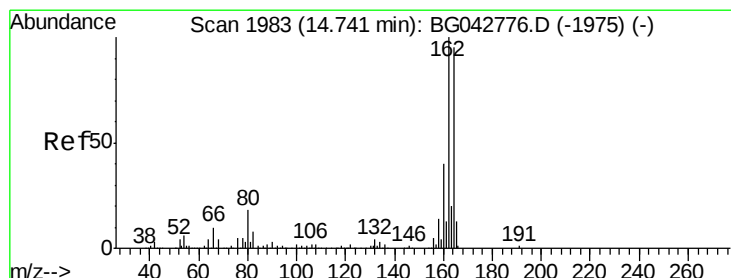
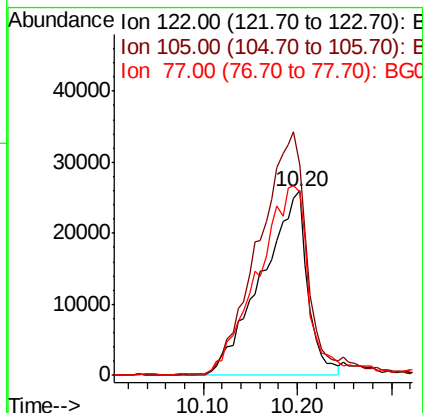
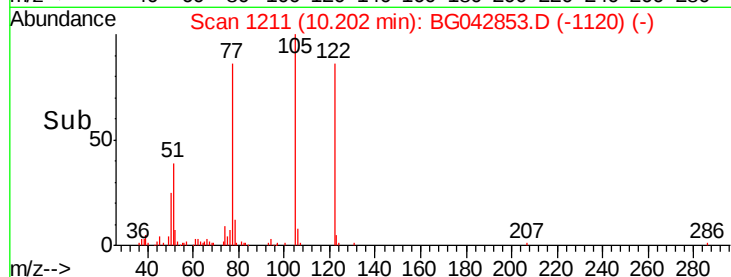
77 99.6 84.2 124.2



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.74 min Scan# 1983

Delta R.T. -0.00 min

Lab File: BG042853.D

Acq: 16 Sep 2019 17:55

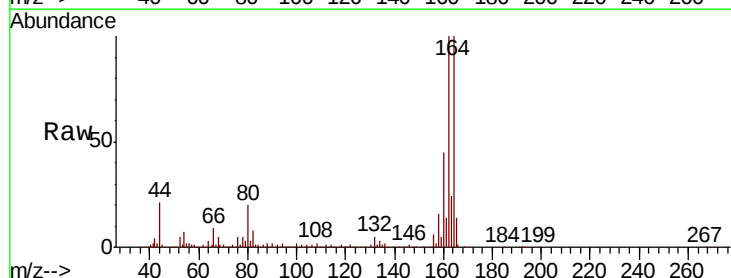
Tgt Ion:164 Resp: 246222

Ion Ratio Lower Upper

164 100

162 99.8 84.6 126.8

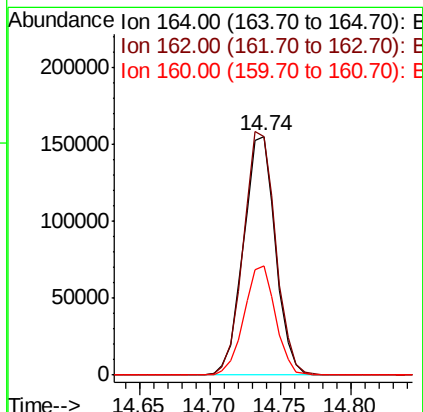
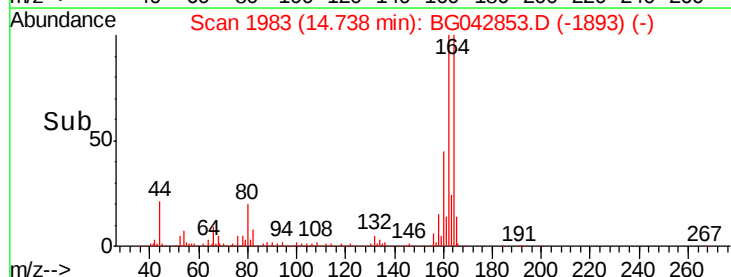
160 45.4 34.2 51.2

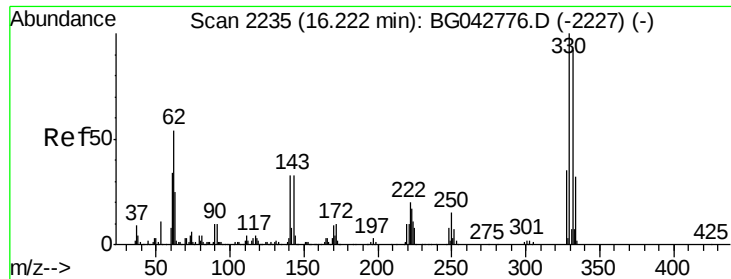


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

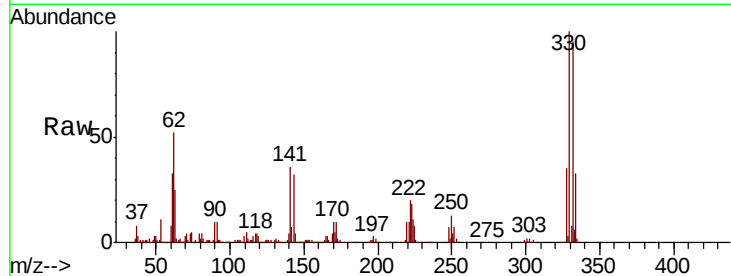




#42  
 2,4,6-Tribromophenol  
 Concen: 155.182 ng  
 RT: 16.22 min Scan# 2235  
 Delta R.T. -0.00 min  
 Lab File: BG042853.D  
 Acq: 16 Sep 2019 17:55

Instrument :  
 BNA\_G  
 ClientSampleId :  
 IDW-GW807-091119

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.4  | 76.7  | 115.1 |
| 141     | 35.2  | 27.0  | 40.6  |

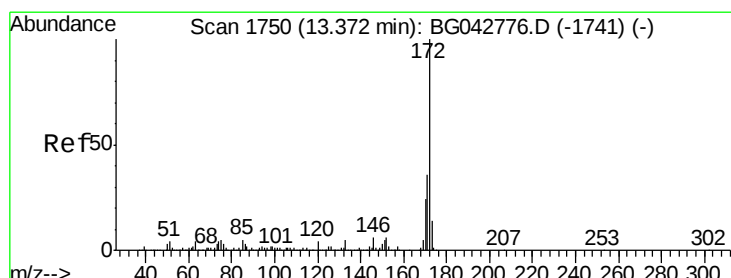
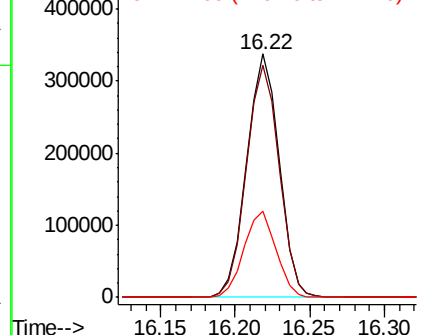
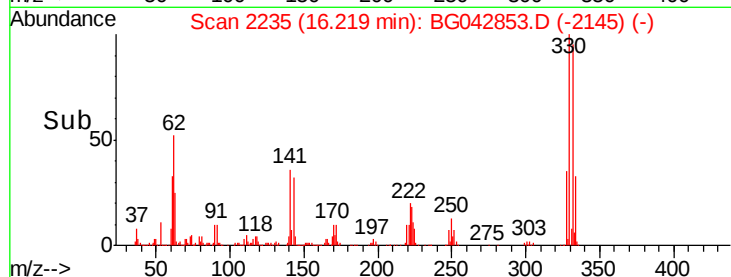


Abundance

Ion 329.80 (329.50 to 330.50): E

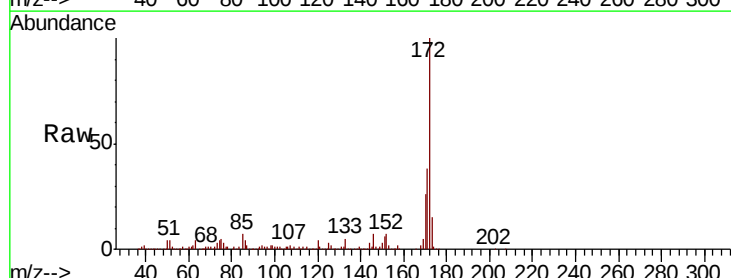
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 104.409 ng  
 RT: 13.36 min Scan# 1749  
 Delta R.T. -0.01 min  
 Lab File: BG042853.D  
 Acq: 16 Sep 2019 17:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.0  | 28.9  | 43.3  |
| 170     | 26.0  | 19.1  | 28.7  |

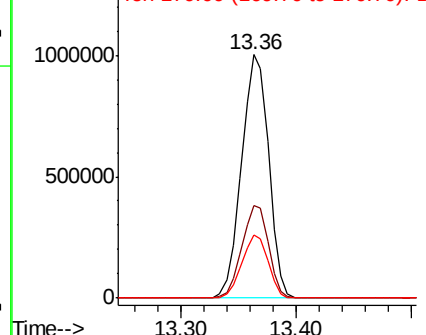
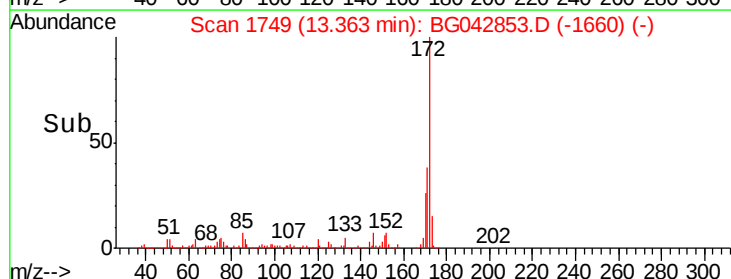


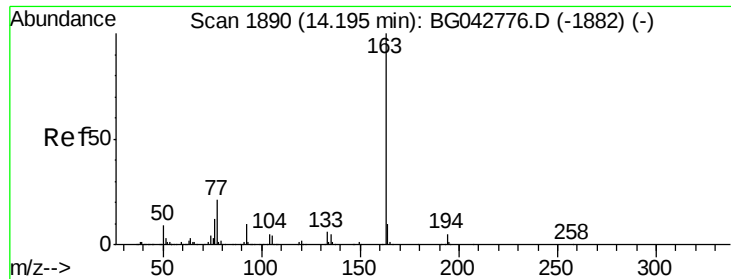
Abundance

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

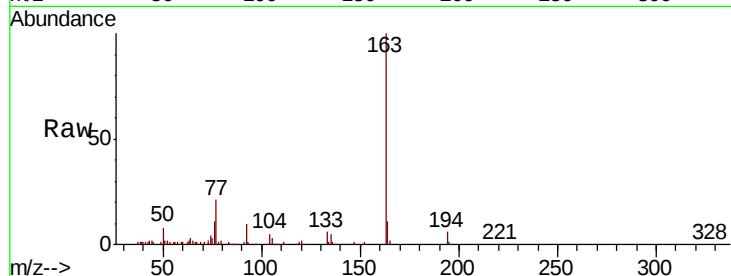




#50  
Dimethylphthalate  
Concen: 4.617 ng  
RT: 14.18 min Scan# 1888  
Delta R.T. -0.02 min  
Lab File: BG042853.D  
Acq: 16 Sep 2019 17:55

Instrument :  
BNA\_G  
ClientSampleId :  
IDW-GW807-091119

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 5.7   | 4.2   | 6.4   |
| 164     | 10.5  | 8.4   | 12.6  |

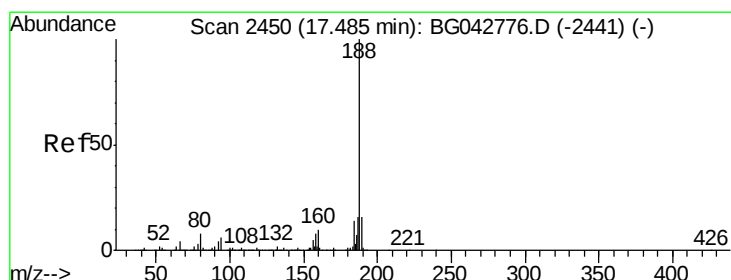
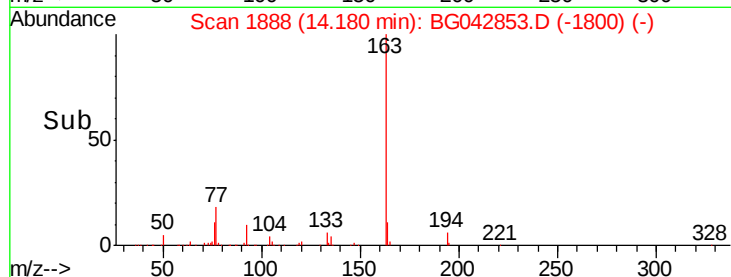
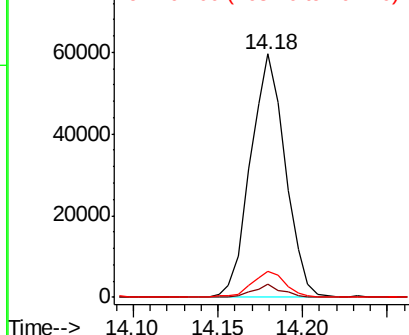


Abundance

Ion 163.00 (162.70 to 163.70): E

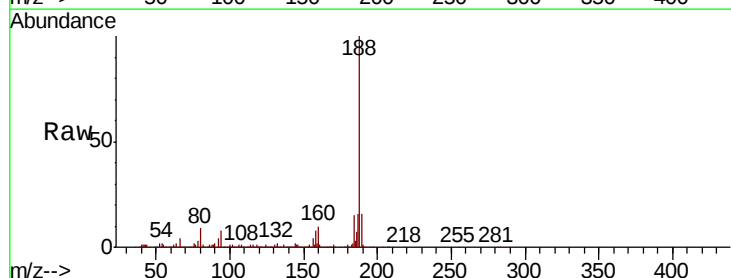
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.48 min Scan# 2449  
Delta R.T. -0.01 min  
Lab File: BG042853.D  
Acq: 16 Sep 2019 17:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.7   | 4.8   | 7.2#  |
| 80      | 9.0   | 6.6   | 9.8   |

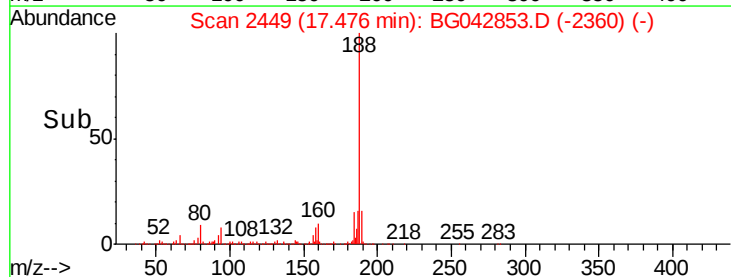
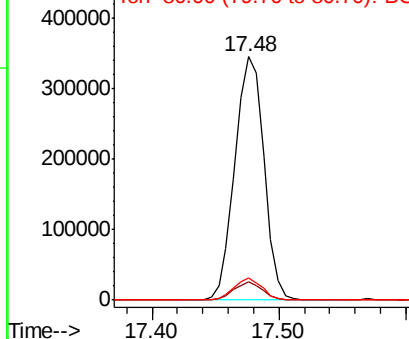


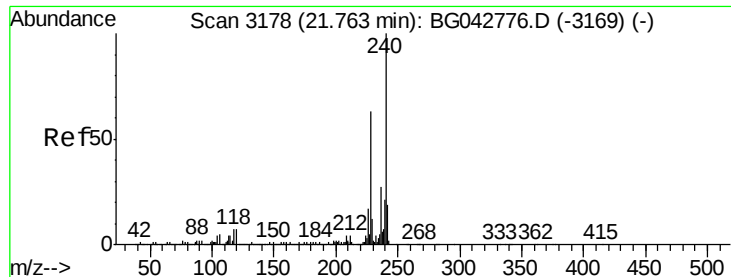
Abundance

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: 21.75 min Scan# 3177

Delta R.T. -0.01 min

Lab File: BG042853.D

Acq: 16 Sep 2019 17:55

Instrument :

BNA\_G

ClientSampleId :

IDW-GW807-091119

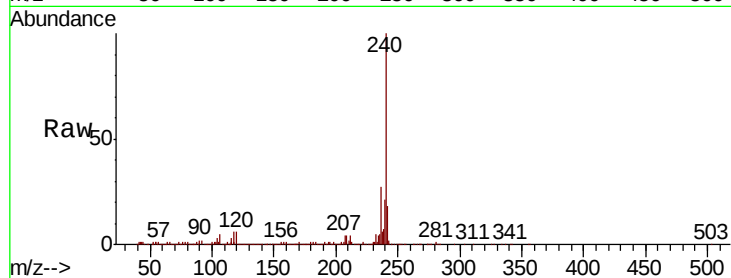
Tot Ion:240 Resp: 545761

Ion Ratio Lower Upper

240 100

120 6.3 5.4 8.2

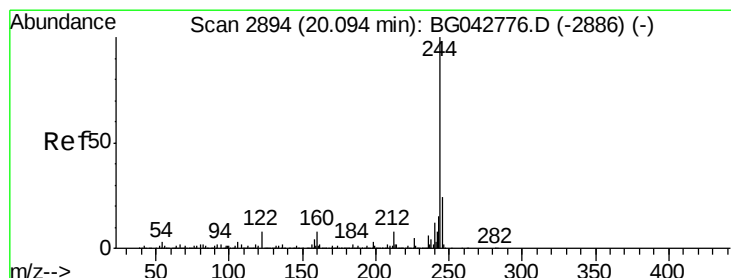
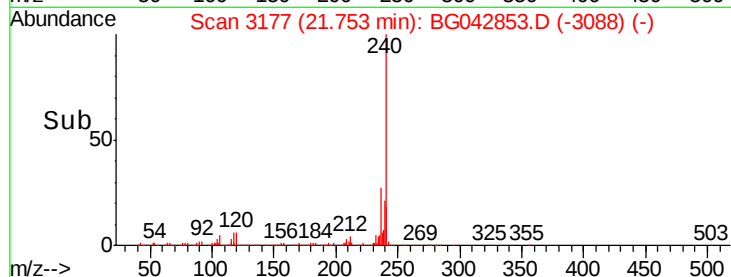
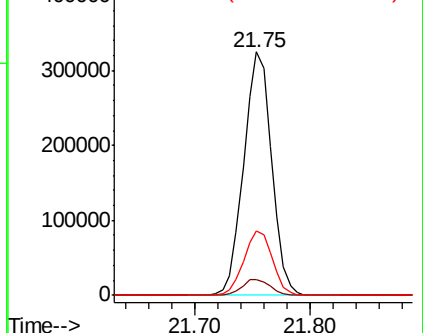
236 26.6 21.7 32.5



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: 99.983 ng

RT: 20.08 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG042853.D

Acq: 16 Sep 2019 17:55

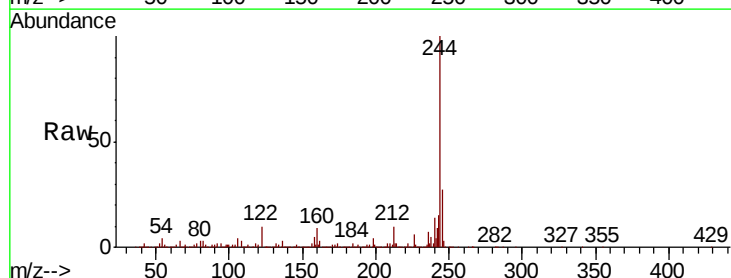
Tgt Ion:244 Resp: 2462093

Ion Ratio Lower Upper

244 100

212 9.9 6.6 10.0

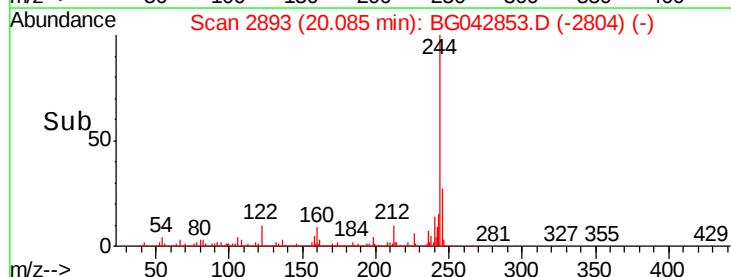
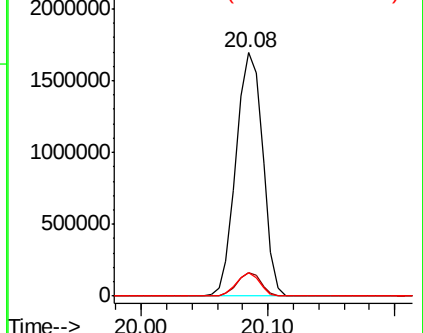
122 9.8 6.2 9.4#

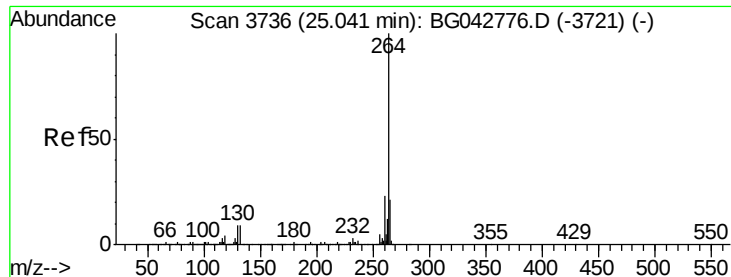


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 25.03 min Scan# 3734  
Delta R.T. -0.02 min  
Lab File: BG042853.D  
Acq: 16 Sep 2019 17:55

Instrument :  
BNA\_G  
ClientSampleId :  
IDW-GW807-091119

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 18.2  | 27.2  |
| 265     | 21.4  | 16.9  | 25.3  |

