

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031318\  
 Data File : BG033133.D  
 Acq On : 14 Mar 2018 2:51  
 Operator : SJ/JU  
 Sample : J1885-01  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 153-20

Quant Time: Mar 14 04:24:49 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 09 15:10:14 2018  
 Response via : Initial Calibration

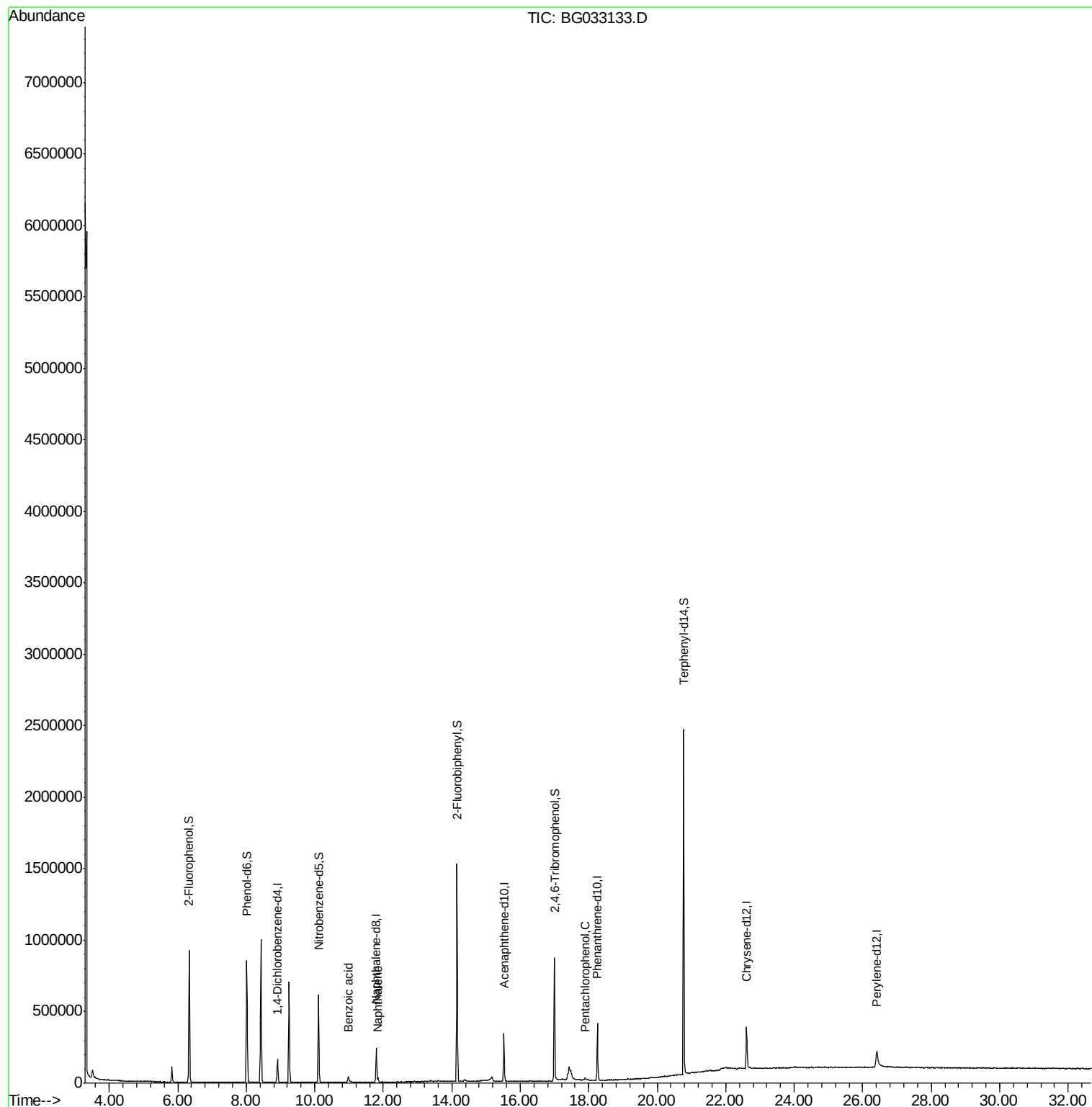
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.91  | 152  | 48402    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.80 | 136  | 209577   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.52 | 164  | 113410   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 18.25 | 188  | 245690   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.61 | 240  | 224199   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 26.41 | 264  | 200663   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.34  | 112  | 416357   | 137.62 | ng    | 0.01     |
| 7) Phenol-d6                | 8.02  | 99   | 499367   | 118.42 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 10.11 | 82   | 384364   | 122.34 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 17.00 | 330  | 177233   | 148.63 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 14.15 | 172  | 776673   | 98.77  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.77 | 244  | 1131202  | 113.36 | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 31) Naphthalene             | 11.85 | 128  | 28150    | 2.570  | ng    | 97       |
| 32) Benzoic acid            | 10.98 | 122  | 18479    | 16.190 | ng    | 91       |
| 69) Pentachlorophenol       | 17.90 | 266  | 3925     | 2.220  | ng    | 96       |

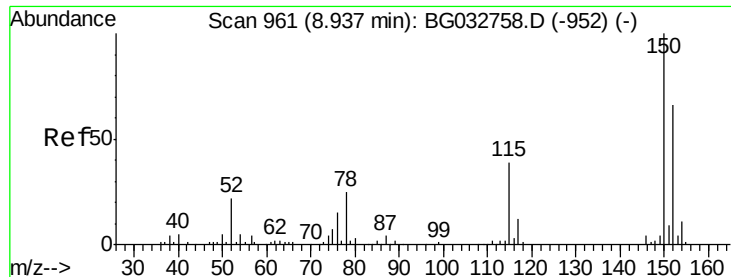
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
ClientSampleId :  
153-20

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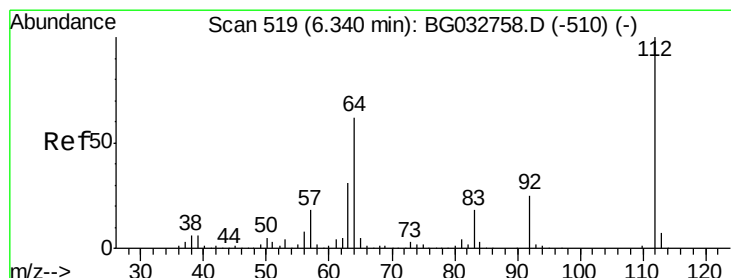
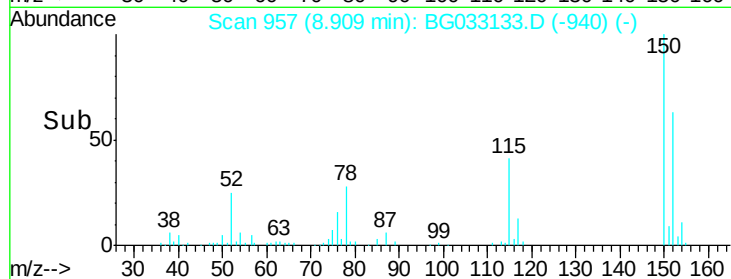
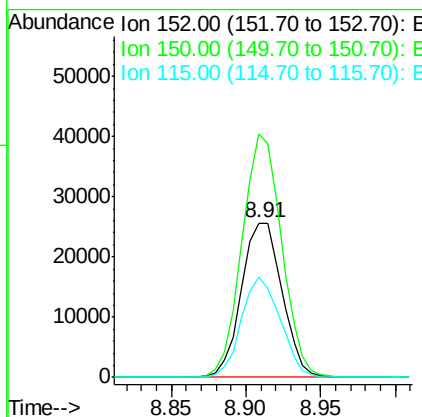
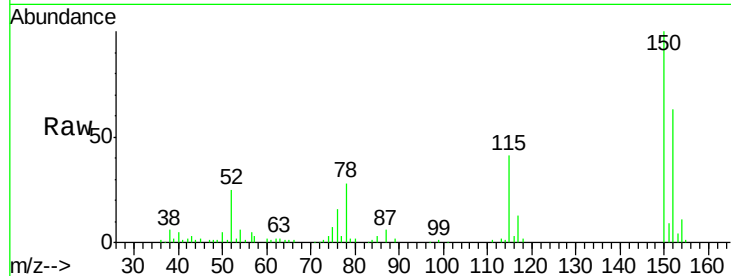


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.91 min Scan# 957  
 Delta R.T. -0.00 min  
 Lab File: BG033133.D  
 Acq: 14 Mar 2018 2:51

Instrument :  
 BNA\_G  
 ClientSampled :  
 153-20

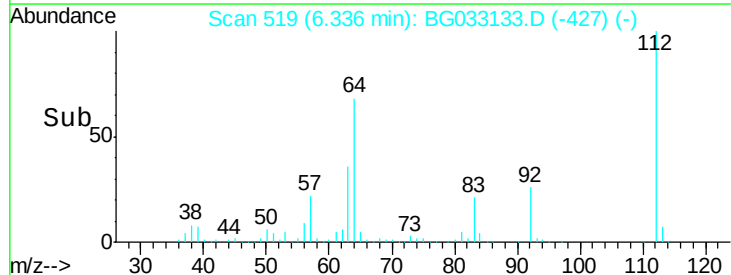
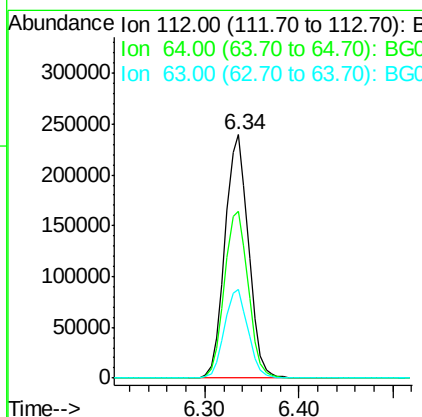
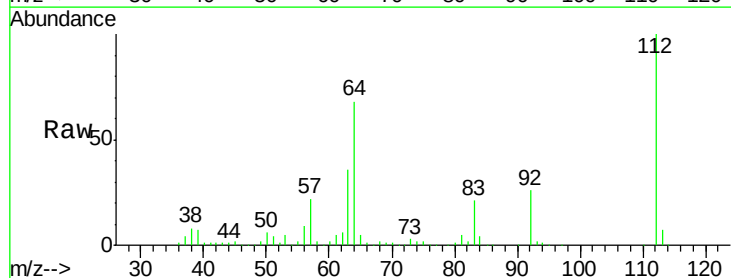
Tot Ion:152 Resp: 48402  
 Ion Ratio Lower Upper  
 152 100  
 150 157.9 126.6 189.8  
 115 65.1 53.0 79.4

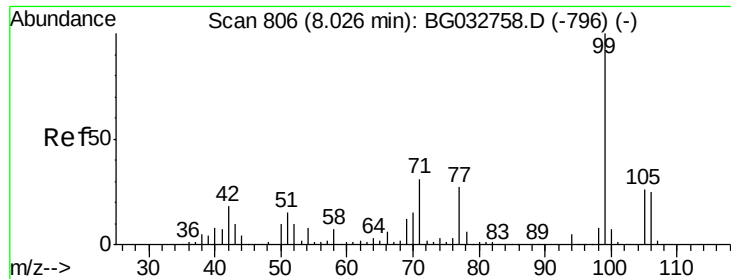


#5

2-Fluorophenol  
 Concen: 137.620 ng  
 RT: 6.34 min Scan# 519  
 Delta R.T. 0.01 min  
 Lab File: BG033133.D  
 Acq: 14 Mar 2018 2:51

Tgt Ion:112 Resp: 416357  
 Ion Ratio Lower Upper  
 112 100  
 64 68.4 56.3 84.5  
 63 36.4 30.1 45.1





#7

Phenol-d6

Concen: 118.418 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.01 min

Lab File: BG033133.D

Acq: 14 Mar 2018 2:51

Instrument :

BNA\_G

ClientSampleId :

153-20

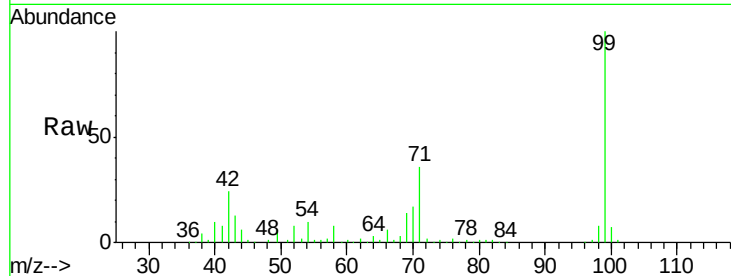
Tot Ion: 99 Resp: 499367

Ion Ratio Lower Upper

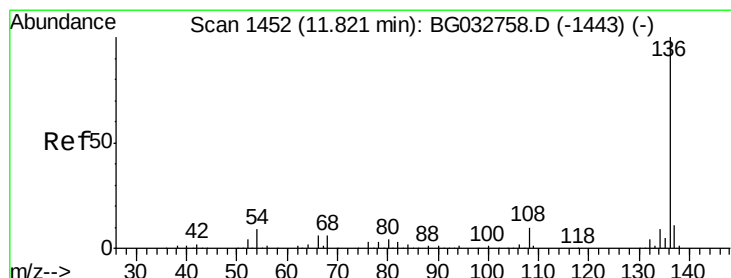
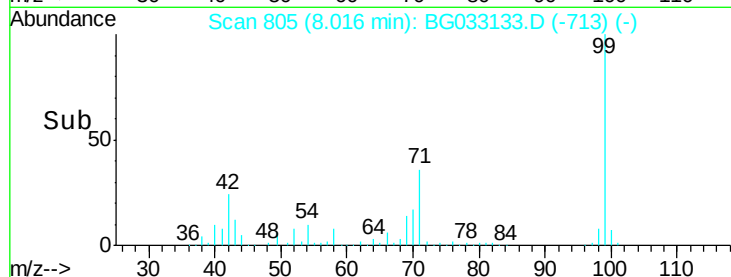
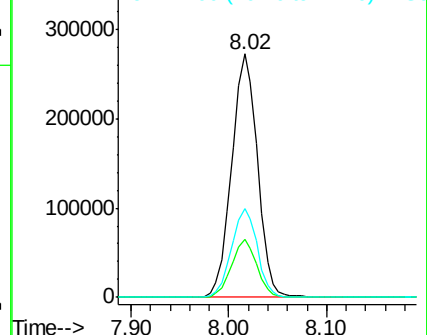
99 100

42 23.8 14.1 21.1#

71 36.3 26.1 39.1



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: 11.80 min Scan# 1449

Delta R.T. -0.00 min

Lab File: BG033133.D

Acq: 14 Mar 2018 2:51

Tgt Ion: 136 Resp: 209577

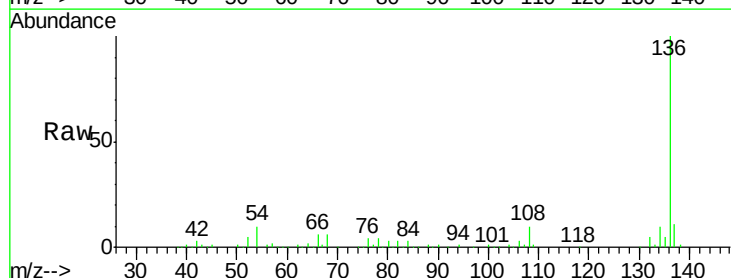
Ion Ratio Lower Upper

136 100

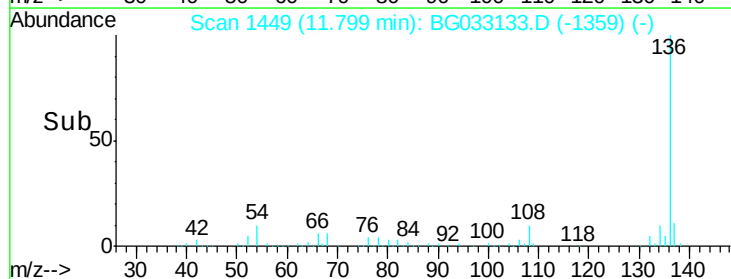
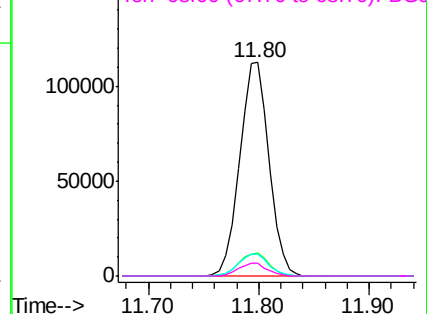
137 11.0 9.2 13.8

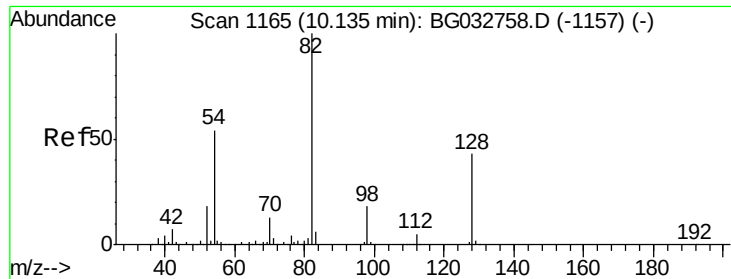
54 10.0 10.3 15.5#

68 6.1 4.5 6.7



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

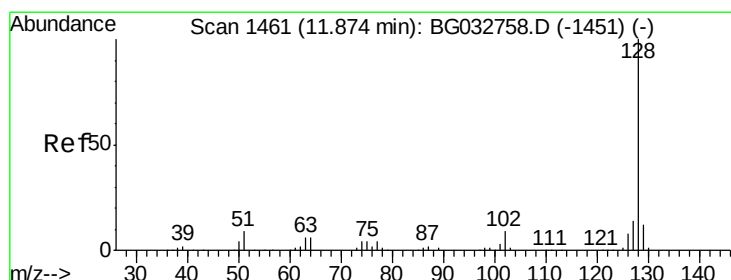
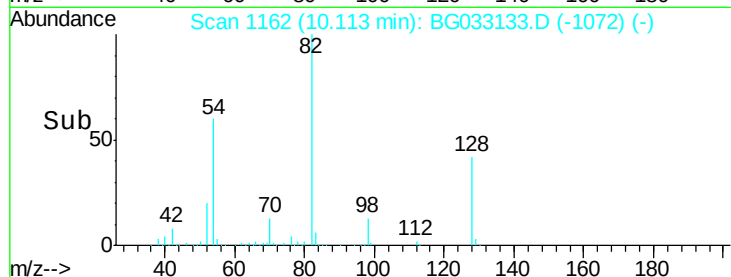
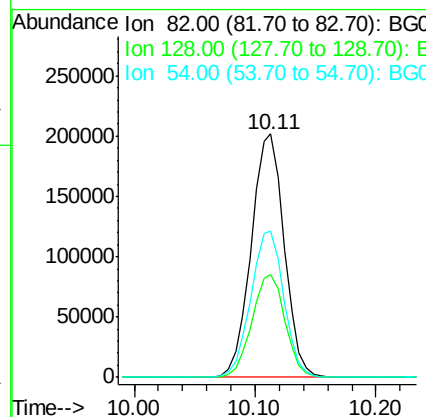
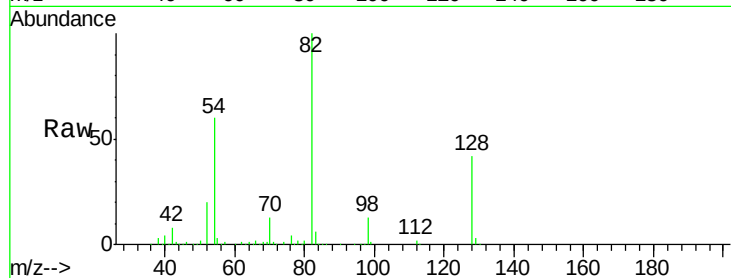




#23  
 Nitrobenzene-d5  
 Concen: 122.341 ng  
 RT: 10.11 min Scan# 1162  
 Delta R.T. -0.00 min  
 Lab File: BG033133.D  
 Acq: 14 Mar 2018 2:51

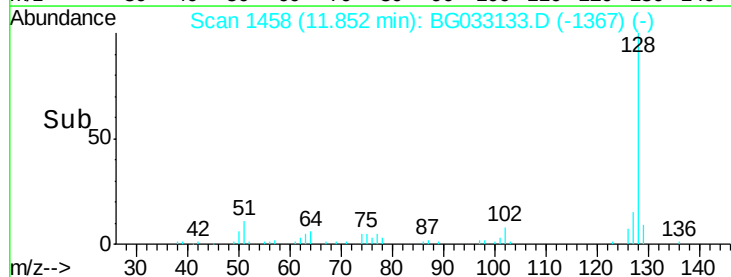
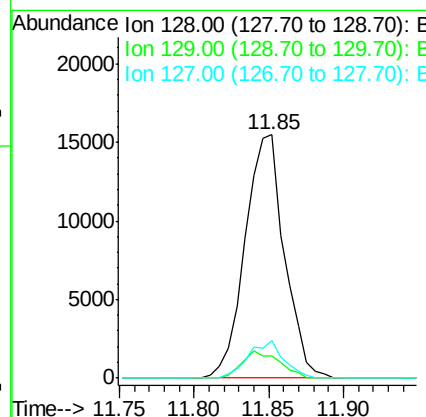
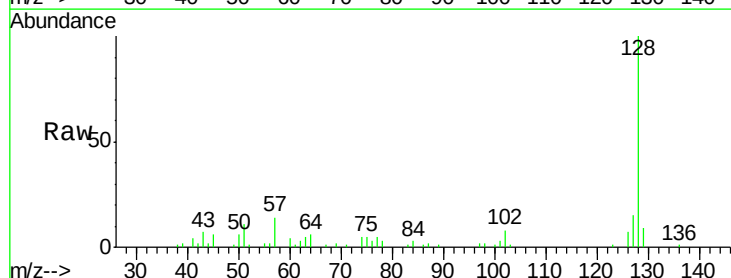
Instrument :  
 BNA\_G  
 ClientSampleId :  
 153-20

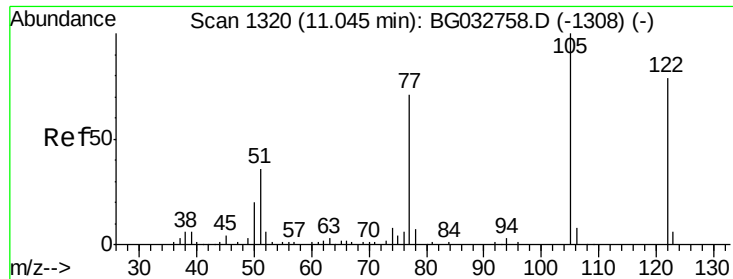
| Tot Ion   | 82    | Resp  | 384364 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 42.4  | 29.7  | 44.5   |
| 54        | 60.0  | 43.1  | 64.7   |



#31  
 Naphthalene  
 Concen: 2.570 ng  
 RT: 11.85 min Scan# 1458  
 Delta R.T. 0.01 min  
 Lab File: BG033133.D  
 Acq: 14 Mar 2018 2:51

| Tgt Ion   | 128   | Resp  | 28150 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 9.0   | 8.6   | 12.8  |
| 127       | 15.2  | 11.6  | 17.4  |

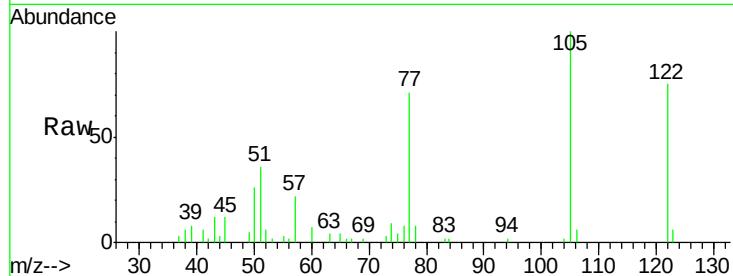




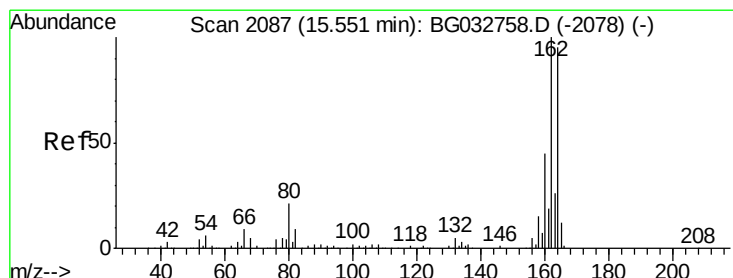
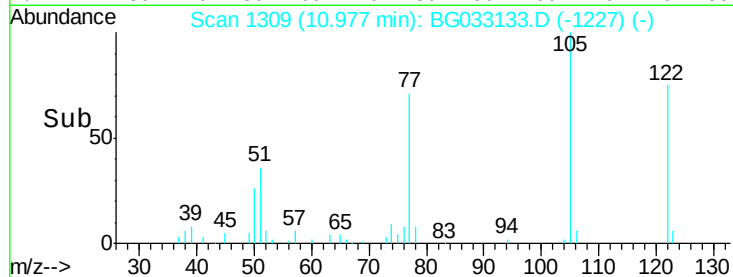
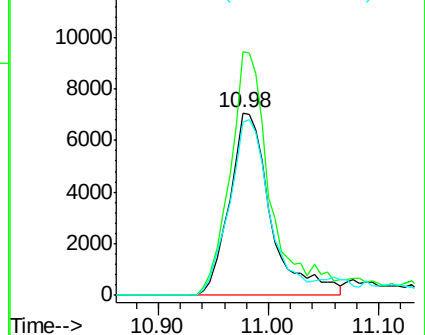
#32  
Benzoic acid  
Concen: 16.190 ng  
RT: 10.98 min Scan# 1309  
Delta R.T. -0.05 min  
Lab File: BG033133.D  
Acq: 14 Mar 2018 2:51

Instrument :  
BNA\_G  
ClientSampleId :  
153-20

Tot Ion:122 Resp: 18479  
Ion Ratio Lower Upper  
122 100  
105 133.5 123.5 163.5  
77 95.2 85.7 125.7

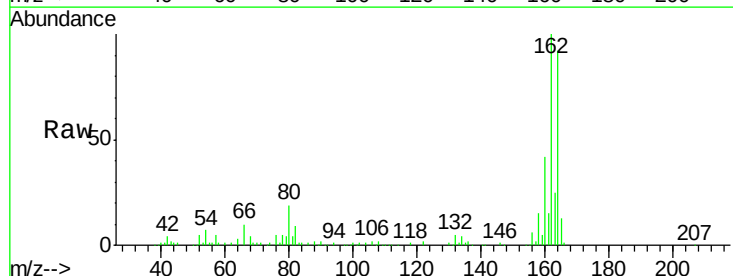


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): B

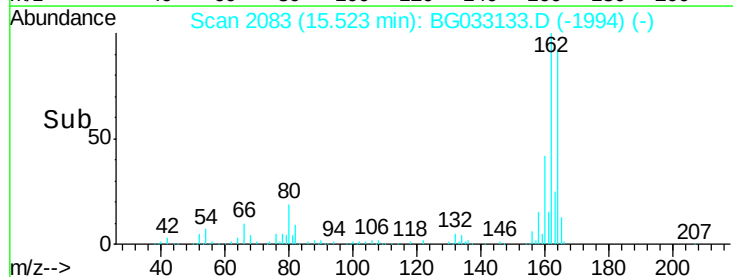
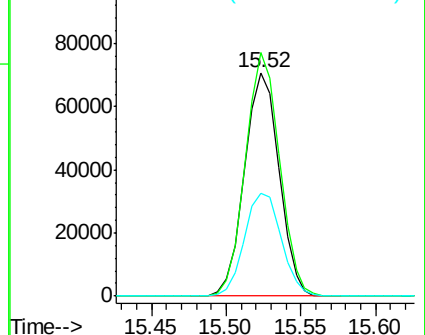


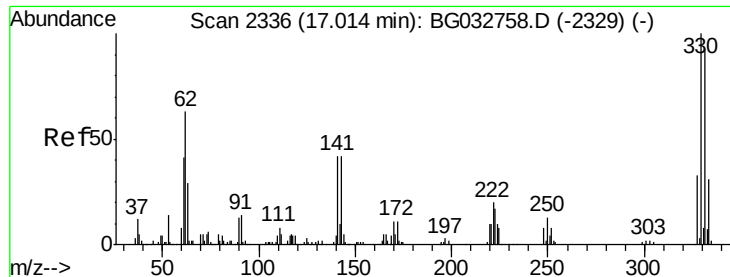
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.52 min Scan# 2083  
Delta R.T. -0.01 min  
Lab File: BG033133.D  
Acq: 14 Mar 2018 2:51

Tgt Ion:164 Resp: 113410  
Ion Ratio Lower Upper  
164 100  
162 108.9 78.8 118.2  
160 45.8 35.4 53.0



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

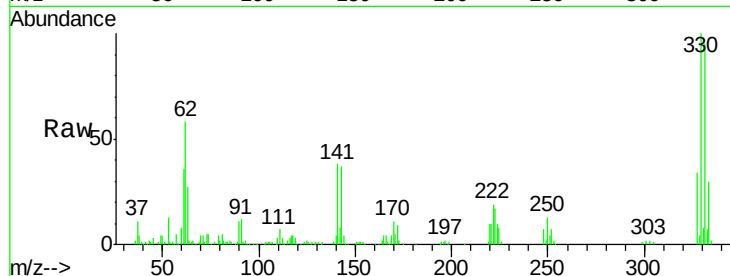




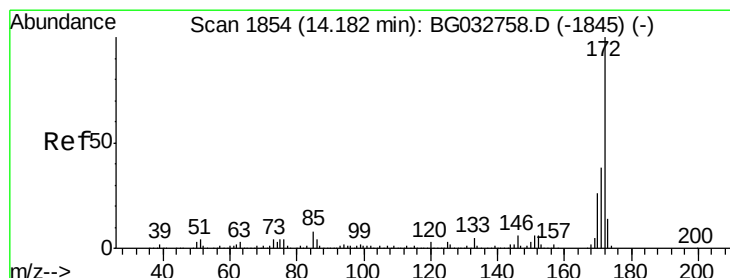
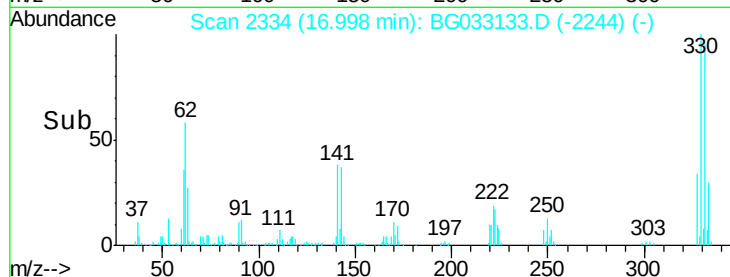
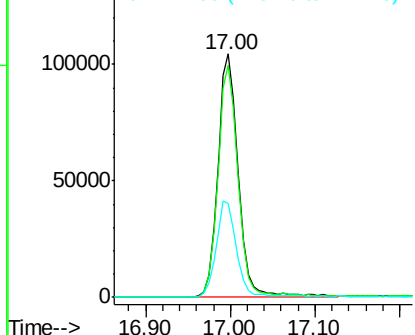
#41  
 2,4,6-Tribromophenol  
 Concen: 148.627 ng  
 RT: 17.00 min Scan# 2334  
 Delta R.T. -0.00 min  
 Lab File: BG033133.D  
 Acq: 14 Mar 2018 2:51

Instrument :  
 BNA\_G  
 ClientSampled :  
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Tot Ion:330 Resp: 177233  
 Ion Ratio Lower Upper  
 330 100  
 332 94.2 77.0 115.6  
 141 39.6 25.2 37.8#

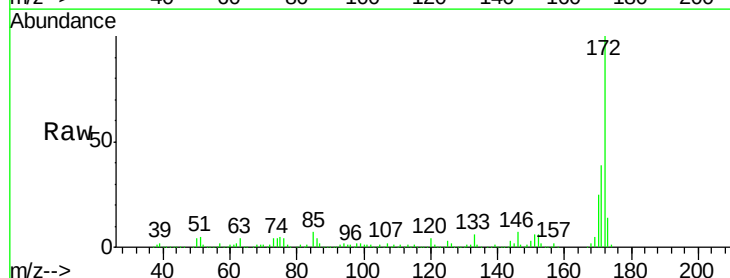


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

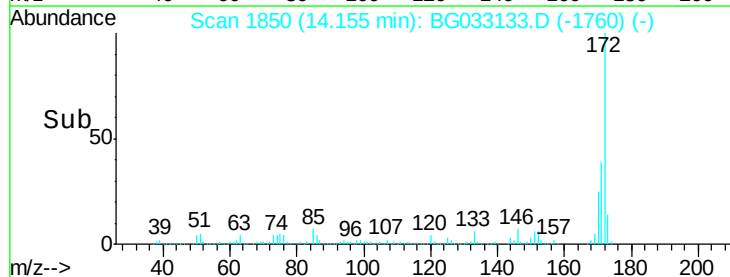
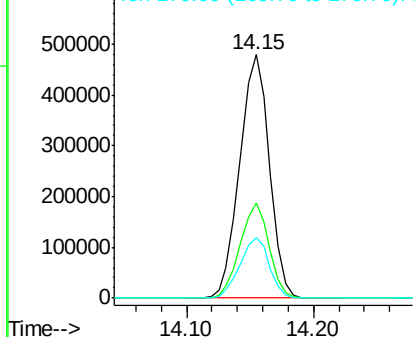


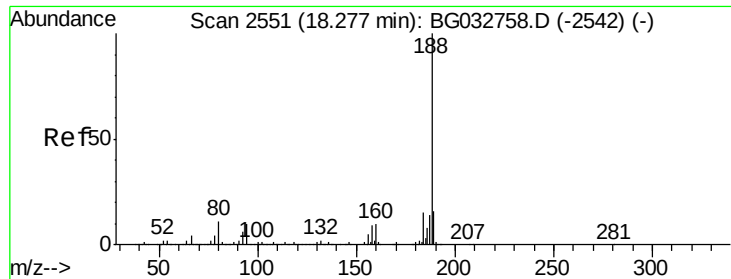
#44  
 2-Fluorobiphenyl  
 Concen: 98.771 ng  
 RT: 14.15 min Scan# 1850  
 Delta R.T. -0.00 min  
 Lab File: BG033133.D  
 Acq: 14 Mar 2018 2:51

Tgt Ion:172 Resp: 776673  
 Ion Ratio Lower Upper  
 172 100  
 171 38.9 30.0 45.0  
 170 24.7 19.5 29.3



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

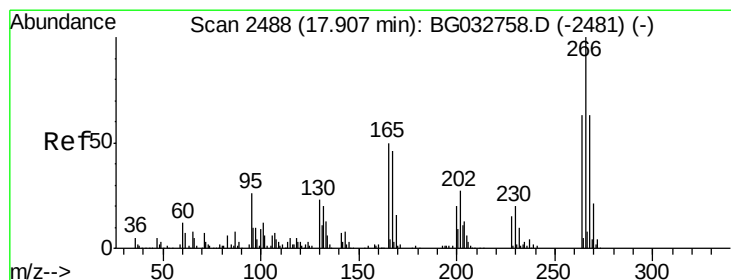
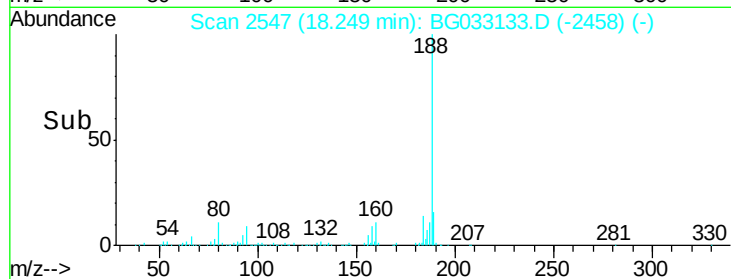
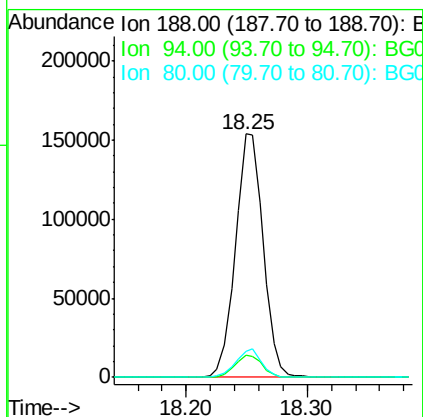
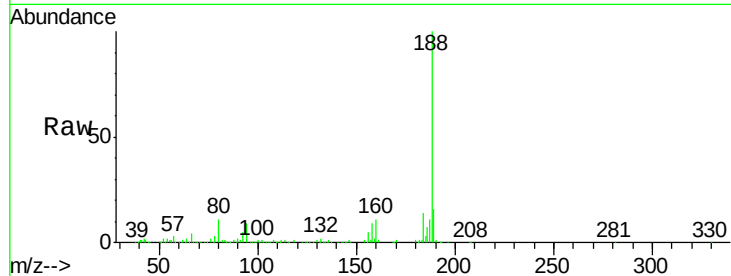




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.25 min Scan# 2547  
Delta R.T. -0.01 min  
Lab File: BG033133.D  
Acq: 14 Mar 2018 2:51

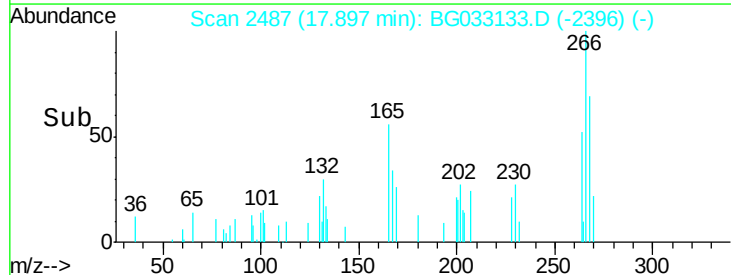
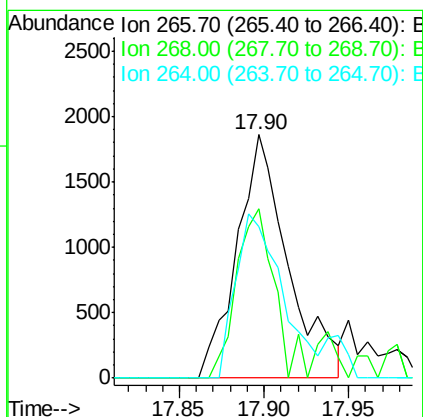
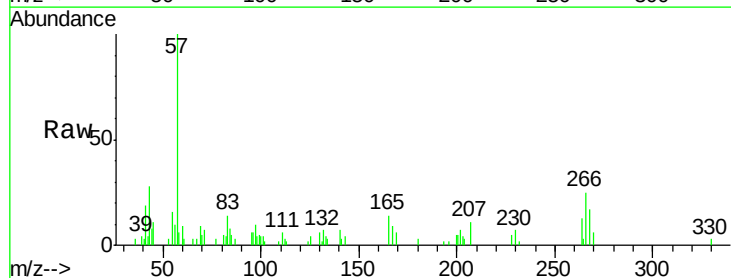
Instrument :  
BNA\_G  
ClientSampleId :  
153-20

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.2   | 6.9   | 10.3  |
| 80      | 10.7  | 7.7   | 11.5  |

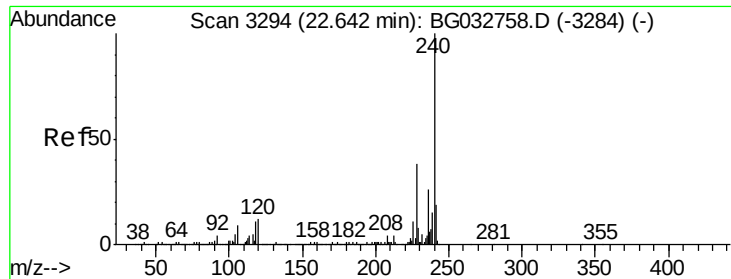


#69  
Pentachlorophenol  
Concen: 2.220 ng  
RT: 17.90 min Scan# 2487  
Delta R.T. 0.01 min  
Lab File: BG033133.D  
Acq: 14 Mar 2018 2:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 69.5  | 51.1  | 76.7  |
| 264     | 62.2  | 49.6  | 74.4  |







#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.61 min Scan# 3289

Delta R.T. -0.00 min

Lab File: BG033133.D

Acq: 14 Mar 2018 2:51

Instrument :

BNA\_G

ClientSampled :

153-20

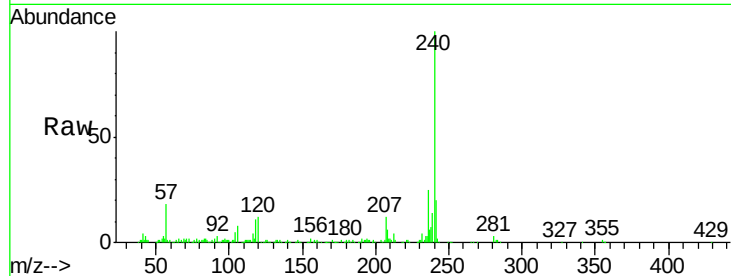
Tot Ion:240 Resp: 224199

Ion Ratio Lower Upper

240 100

120 11.5 6.8 10.2#

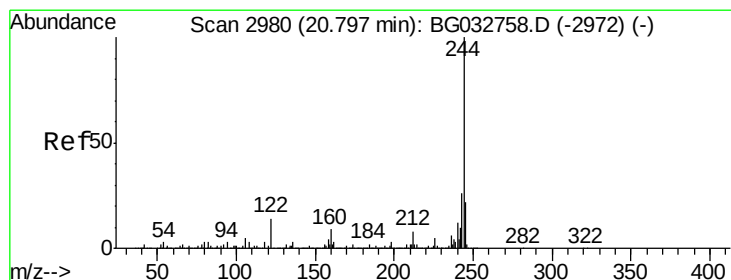
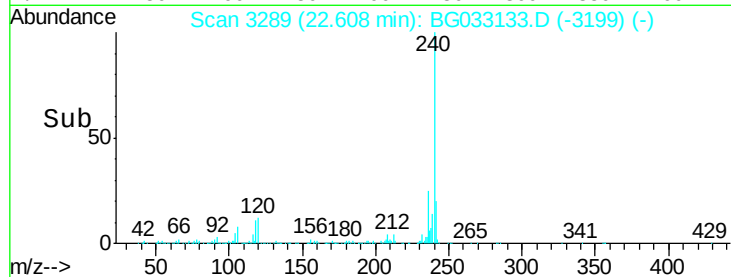
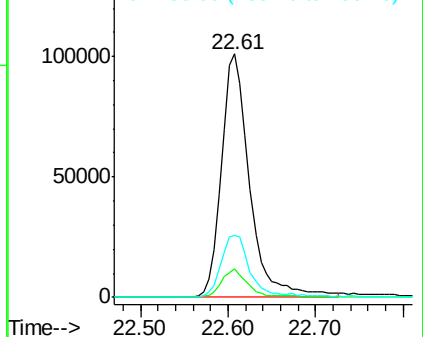
236 25.2 20.9 31.3



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



#78

Terphenyl-d14

Concen: 113.359 ng

RT: 20.77 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BG033133.D

Acq: 14 Mar 2018 2:51

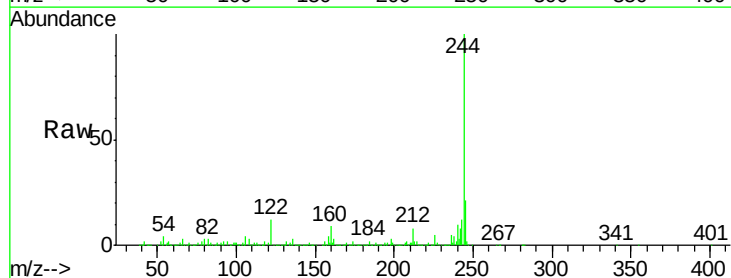
Tgt Ion:244 Resp: 1131202

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

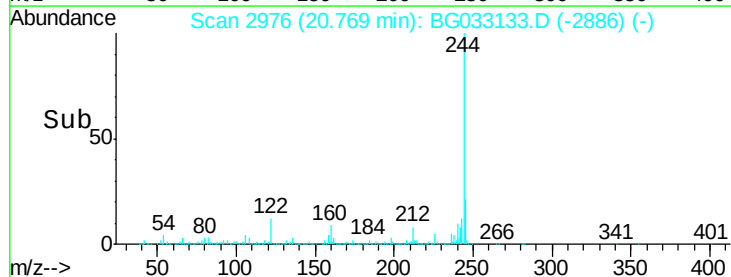
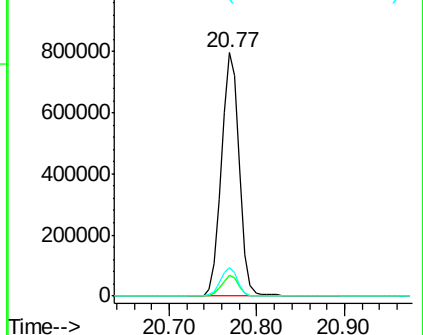
122 11.7 7.0 10.4#

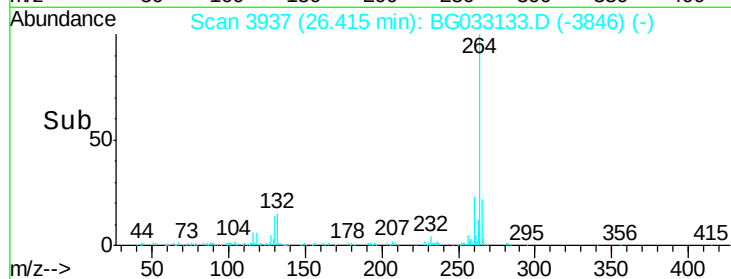
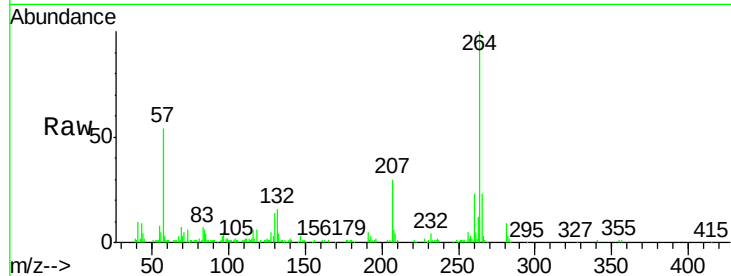
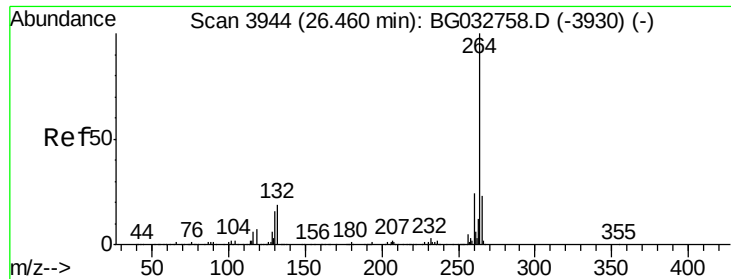


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 26.41 min Scan# 3937

Delta R.T. 0.01 min

Lab File: BG033133.D

Acq: 14 Mar 2018 2:51

Instrument :

BNA\_G

ClientSampleId :

153-20

Tot Ion: 264 Resp: 200663

Ion Ratio Lower Upper

264 100

260 23.3 17.4 26.0

265 22.6 17.7 26.5

