

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102618\  
 Data File : BG037583.D  
 Acq On : 26 Oct 2018 16:32  
 Operator : JU/SJ  
 Sample : J5649-09  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Oct 27 03:39:39 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 18 14:06:42 2018  
 Response via : Initial Calibration

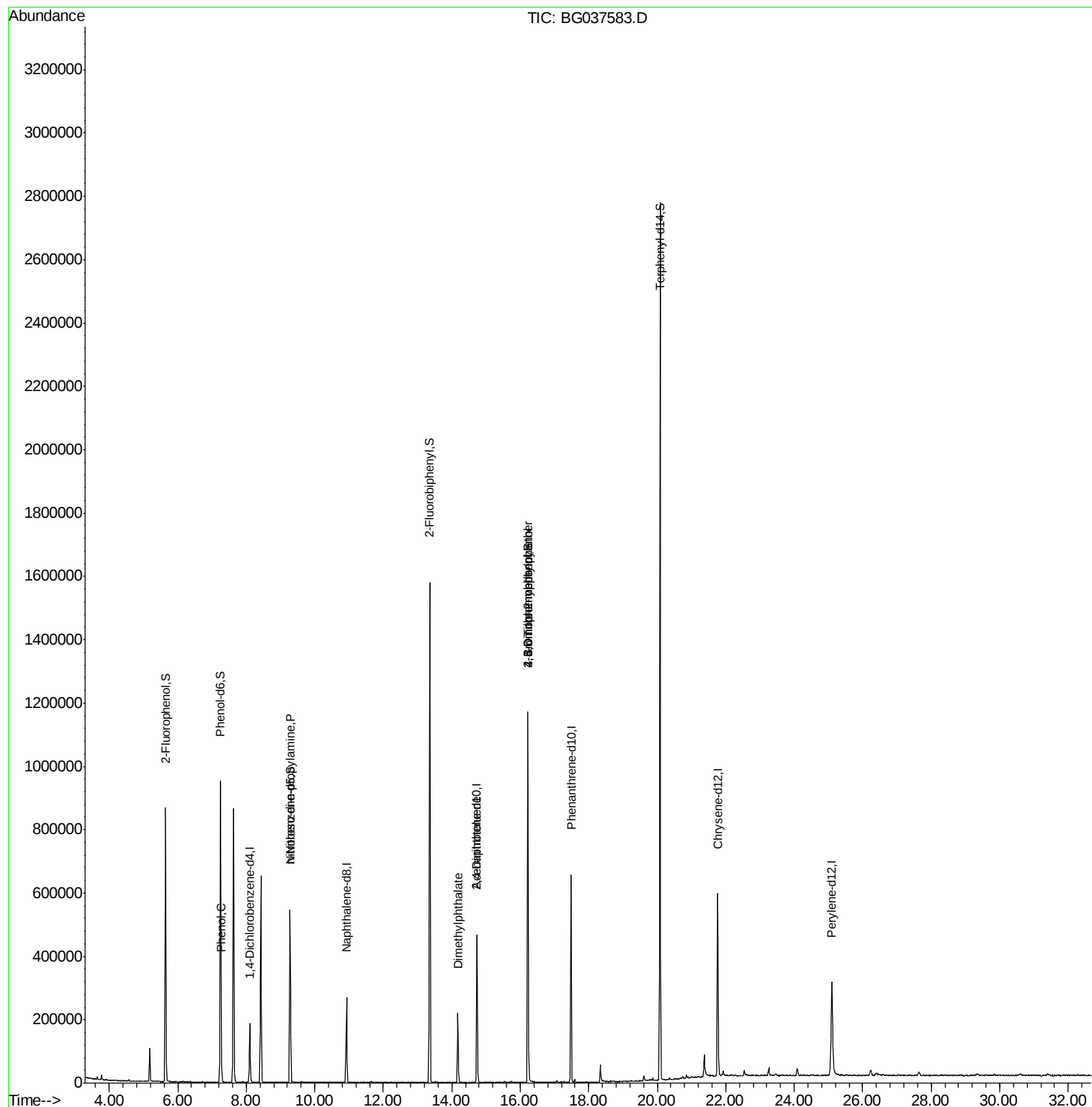
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.10  | 152  | 56357    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.93 | 136  | 246883   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.73 | 164  | 169017   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.48 | 188  | 410697   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.77 | 240  | 378108   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 25.10 | 264  | 368183   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.64  | 112  | 400642   | 118.85 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.25  | 99   | 598388   | 117.39 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.28  | 82   | 353792   | 80.28  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.22 | 330  | 211290   | 114.62 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.36 | 172  | 863169   | 77.01  | ng    | 0.00     |
| 79) Terphenyl-d14              | 20.08 | 244  | 1283495  | 72.53  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.27  | 94   | 41122    | 7.646  | ng    | 98       |
| 19) n-Nitroso-di-n-propylamine | 9.28  | 70   | 43129    | 12.287 | ng    | # 75     |
| 50) Dimethylphthalate          | 14.18 | 163  | 160674   | 12.288 | ng    | 98       |
| 57) 2,4-Dinitrotoluene         | 14.73 | 165  | 21660    | 5.705  | ng    | # 24     |
| 65) 4,6-Dinitro-2-methylphenol | 16.21 | 198  | 701      | 8.775  | ng    | 80       |
| 67) 4-Bromophenyl-phenylether  | 16.22 | 248  | 14978    | 3.321  | ng    | # 1      |

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

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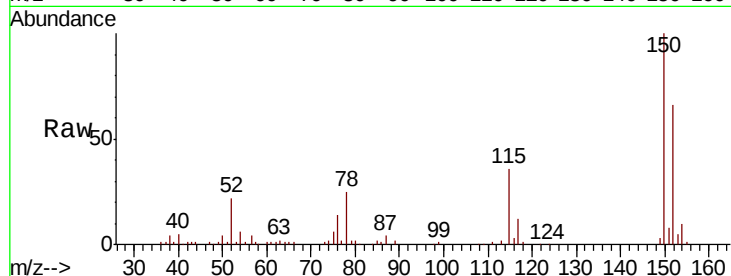


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.10 min Scan# 819  
Delta R.T. -0.01 min  
Lab File: BG037583.D  
Acq: 26 Oct 2018 16:32

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 151.8 | 126.0 | 189.0 |
| 115     | 54.2  | 45.5  | 68.3  |

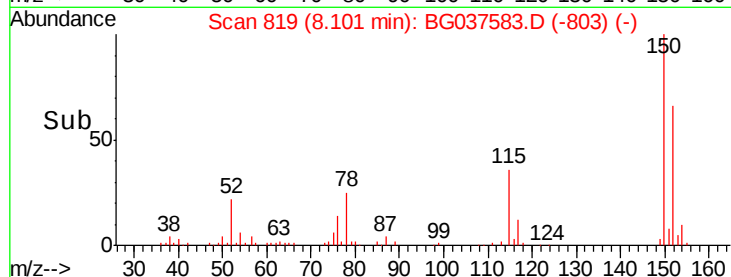
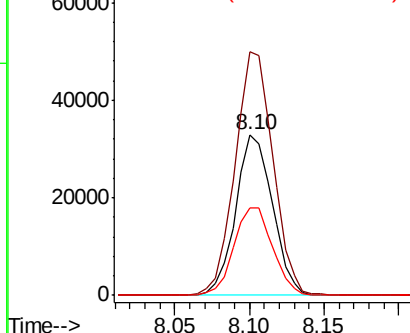


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

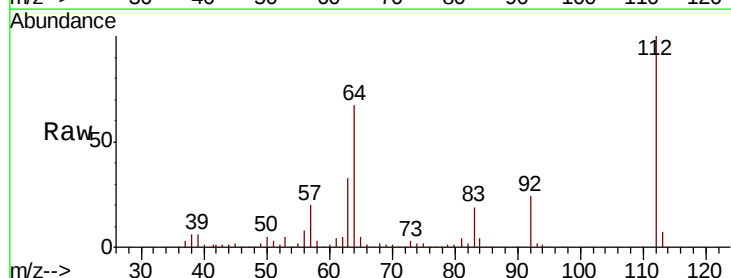
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 118.852 ng  
RT: 5.64 min Scan# 401  
Delta R.T. -0.00 min  
Lab File: BG037583.D  
Acq: 26 Oct 2018 16:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 66.6  | 53.1  | 79.7  |
| 63      | 33.1  | 27.3  | 40.9  |

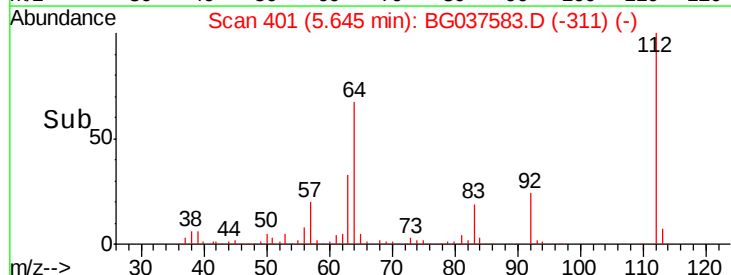
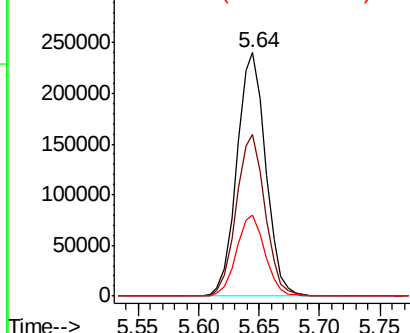


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 117.394 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037583.D

Acq: 26 Oct 2018 16:32

Instrument :

BNA\_G

ClientSampled :

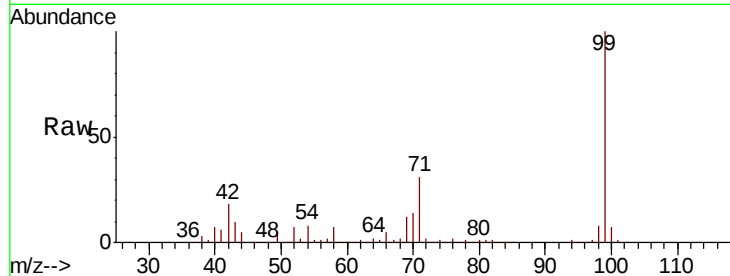
Tot Ion: 99 Resp: 598388

Ion Ratio Lower Upper

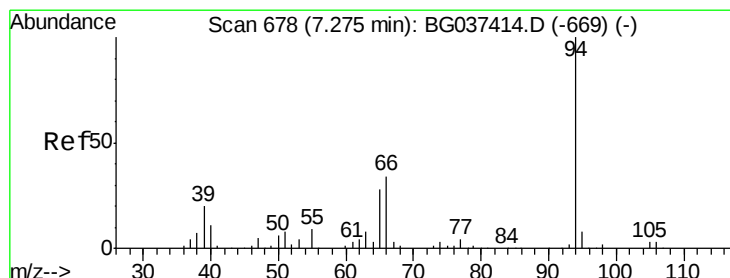
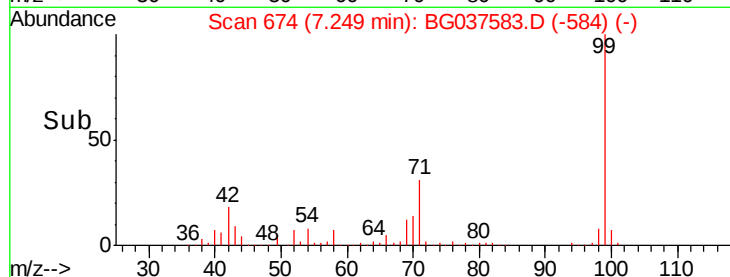
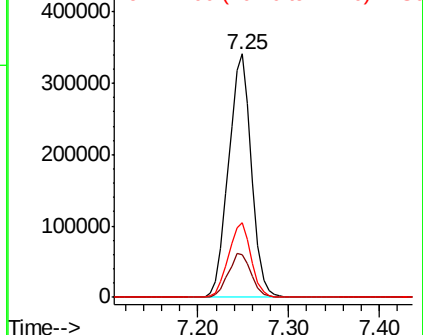
99 100

42 17.7 15.0 22.4

71 30.7 25.5 38.3



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: 7.646 ng

RT: 7.27 min Scan# 678

Delta R.T. -0.00 min

Lab File: BG037583.D

Acq: 26 Oct 2018 16:32

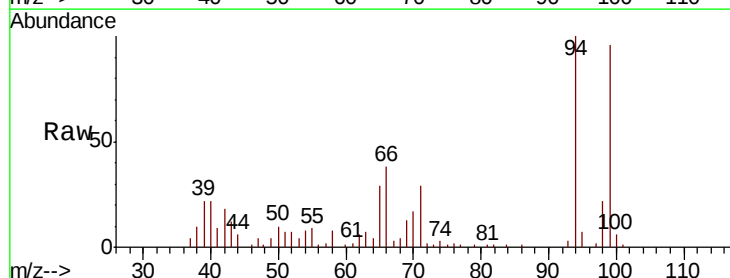
Tgt Ion: 94 Resp: 41122

Ion Ratio Lower Upper

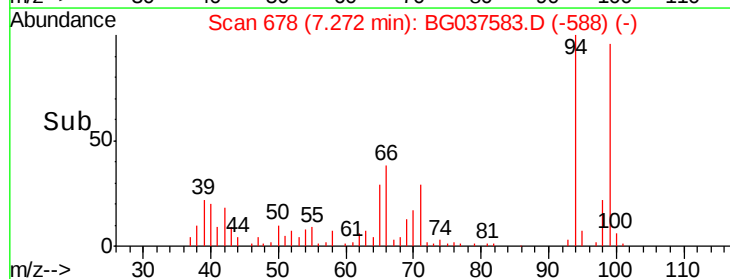
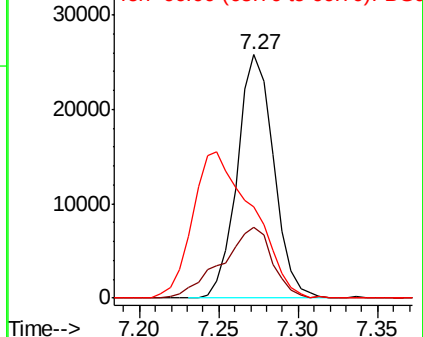
94 100

65 29.1 9.7 49.7

66 37.7 15.9 55.9



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

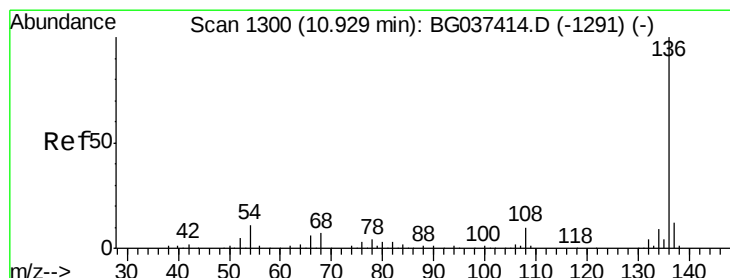
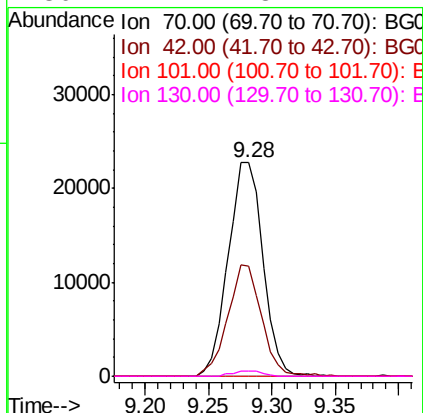
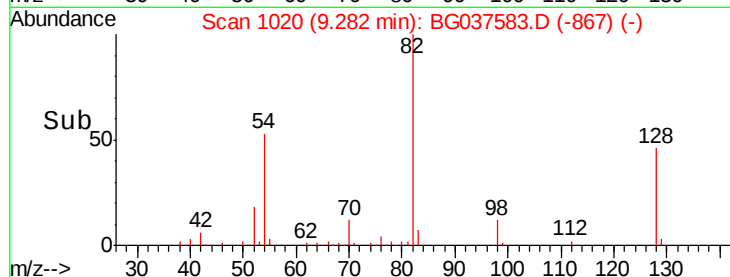
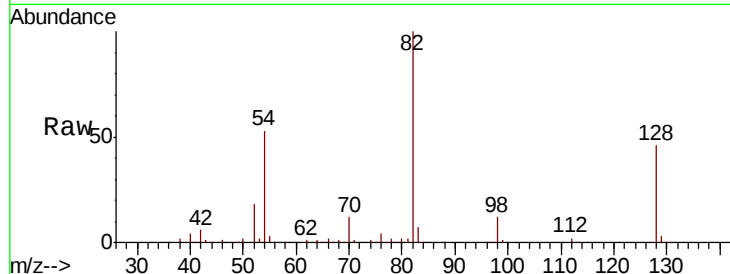




#19  
n-Nitroso-di-n-propylamine  
Concen: 12.287 ng  
RT: 9.28 min Scan# 1020  
Delta R.T. 0.37 min  
Lab File: BG037583.D  
Acq: 26 Oct 2018 16:32

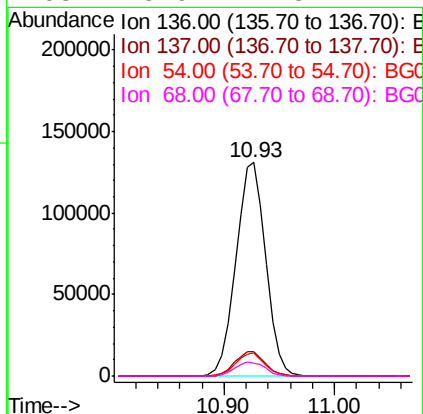
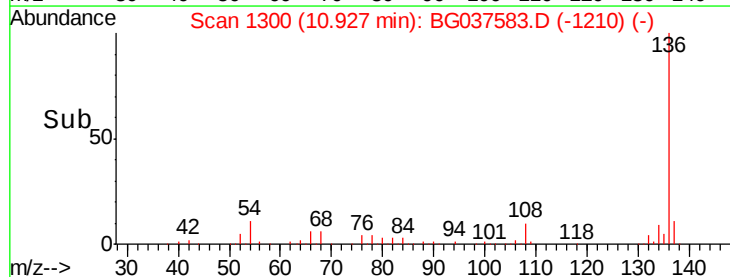
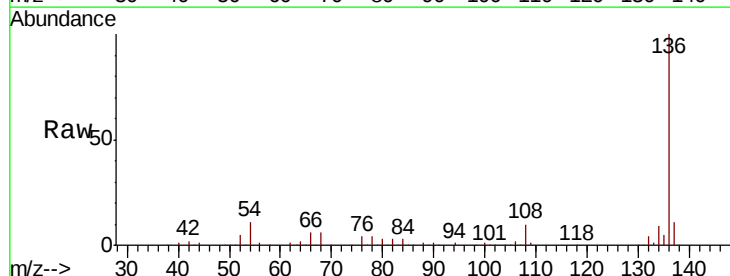
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion: 70 Resp: 43129  
Ion Ratio Lower Upper  
70 100  
42 51.7 53.9 80.9#  
101 0.0 8.2 12.2#  
130 2.4 18.2 27.4#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.93 min Scan# 1300  
Delta R.T. -0.00 min  
Lab File: BG037583.D  
Acq: 26 Oct 2018 16:32

Tgt Ion: 136 Resp: 246883  
Ion Ratio Lower Upper  
136 100  
137 11.4 9.6 14.4  
54 10.9 7.9 11.9  
68 5.9 4.8 7.2

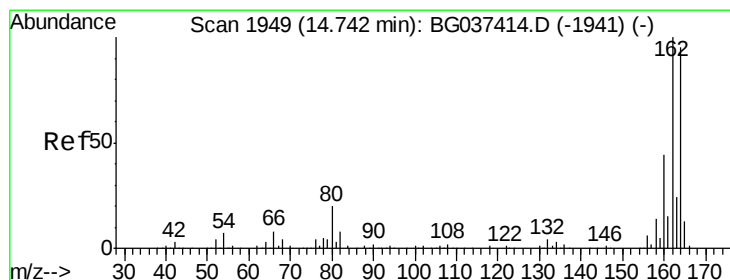
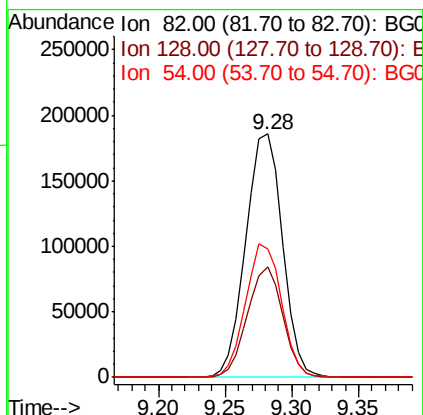
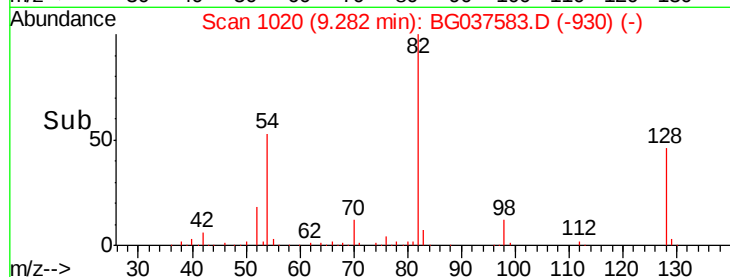
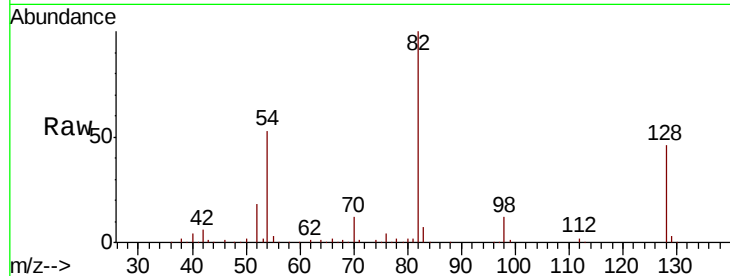




#23  
 Nitrobenzene-d5  
 Concen: 80.277 ng  
 RT: 9.28 min Scan# 1020  
 Delta R.T. -0.00 min  
 Lab File: BG037583.D  
 Acq: 26 Oct 2018 16:32

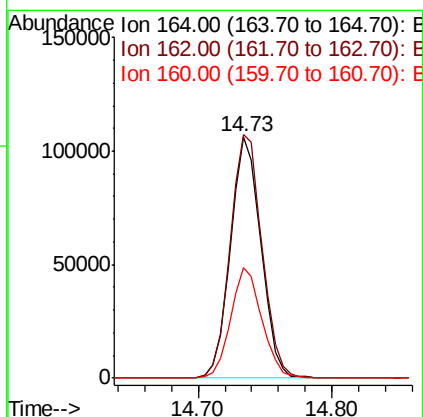
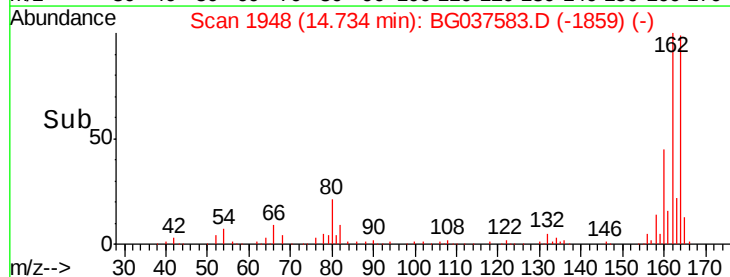
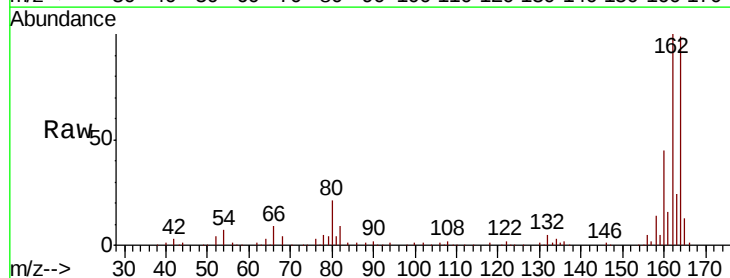
Instrument :  
 BNA\_G  
 ClientSampled :

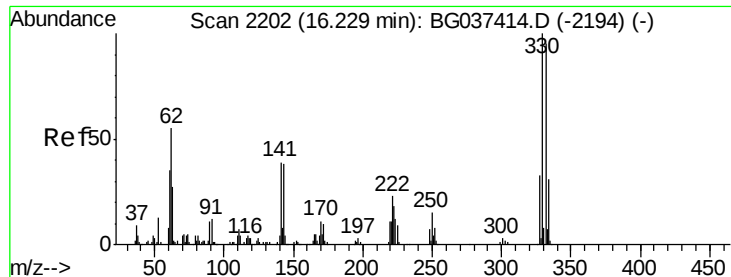
| Tot Ion   | 82.00 | Resp  | 353792 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 82        | 100   |       |        |
| 128       | 45.6  | 34.6  | 51.8   |
| 54        | 52.9  | 45.3  | 67.9   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.73 min Scan# 1948  
 Delta R.T. -0.01 min  
 Lab File: BG037583.D  
 Acq: 26 Oct 2018 16:32

| Tgt Ion   | 164.00 | Resp  | 169017 |
|-----------|--------|-------|--------|
| Ion Ratio | 100    | Lower | Upper  |
| 164       | 100    |       |        |
| 162       | 100.9  | 81.3  | 121.9  |
| 160       | 45.6   | 36.3  | 54.5   |

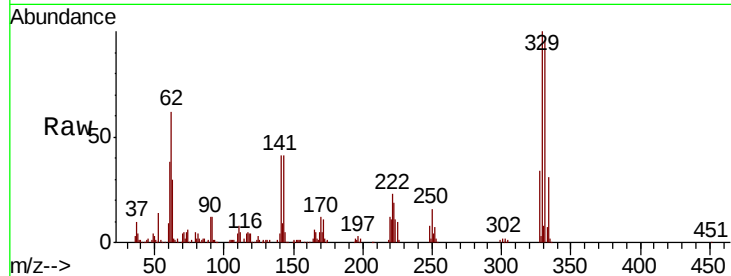




#42  
 2,4,6-Tribromophenol  
 Concen: 114.617 ng  
 RT: 16.22 min Scan# 2201  
 Delta R.T. -0.01 min  
 Lab File: BG037583.D  
 Acq: 26 Oct 2018 16:32

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.1  | 78.4  | 117.6 |
| 141     | 39.7  | 32.2  | 48.2  |

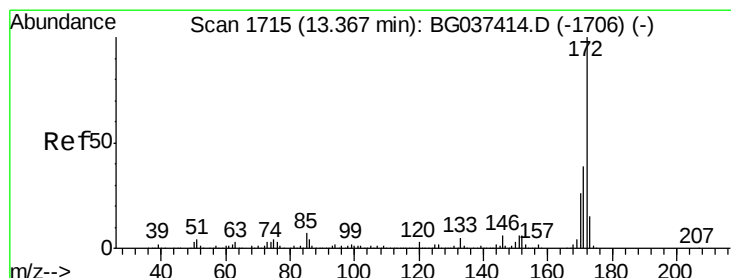
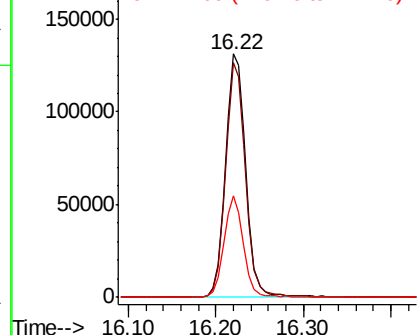
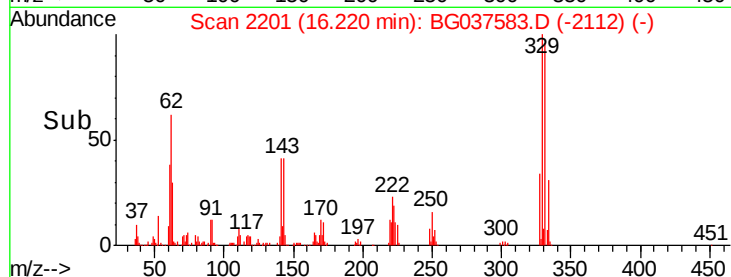


Abundance

Ion 329.80 (329.50 to 330.50): E

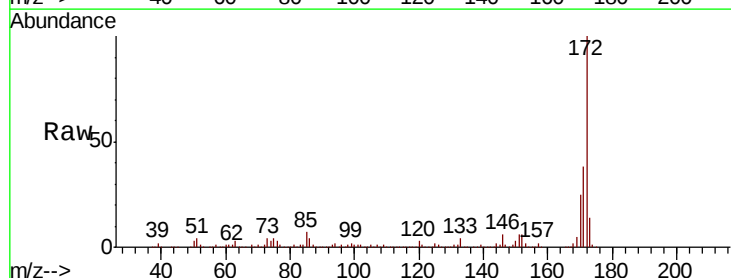
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 77.011 ng  
 RT: 13.36 min Scan# 1714  
 Delta R.T. -0.01 min  
 Lab File: BG037583.D  
 Acq: 26 Oct 2018 16:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.6  | 31.0  | 46.4  |
| 170     | 25.3  | 20.2  | 30.2  |

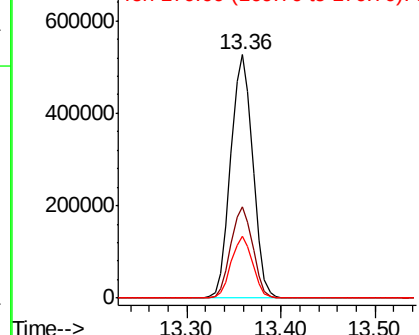
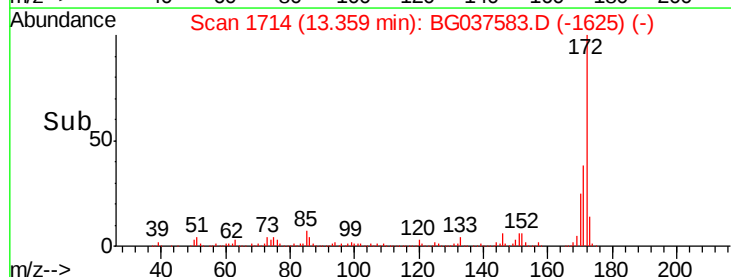


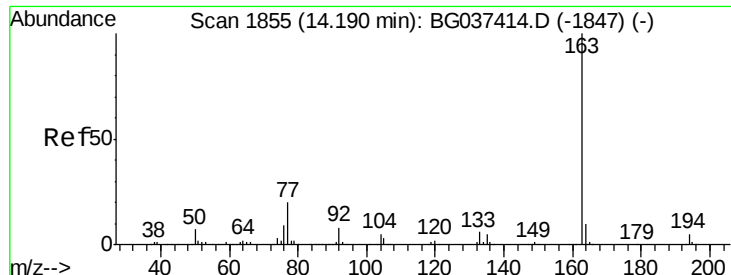
Abundance

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





#50

Dimethylphthalate

Concen: 12.288 ng

RT: 14.18 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BG037583.D

Acq: 26 Oct 2018 16:32

Instrument :

BNA\_G

ClientSampled :

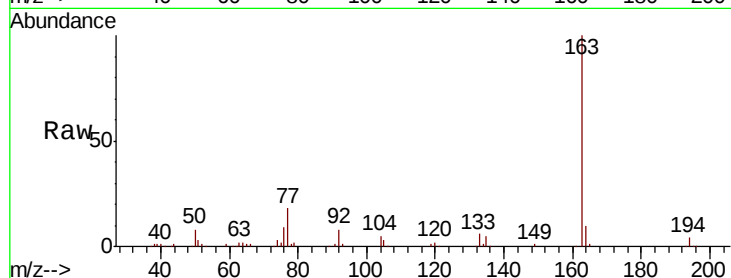
Tot Ion:163 Resp: 160674

Ion Ratio Lower Upper

163 100

194 3.8 3.5 5.3

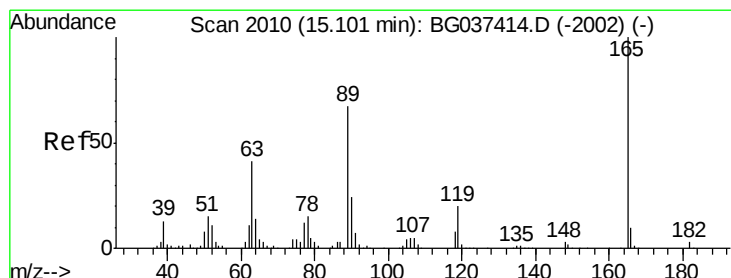
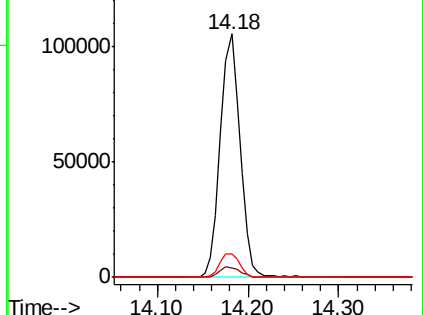
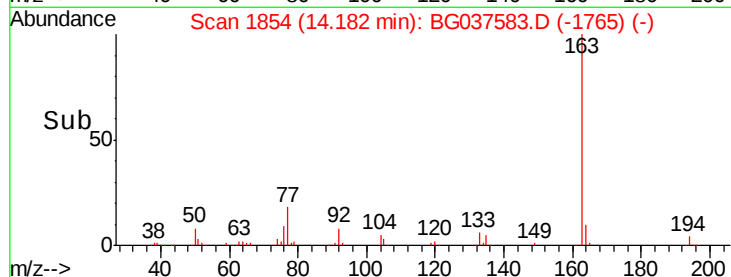
164 9.7 8.5 12.7



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



#57

2,4-Dinitrotoluene

Concen: 5.705 ng

RT: 14.73 min Scan# 1948

Delta R.T. -0.37 min

Lab File: BG037583.D

Acq: 26 Oct 2018 16:32

Tgt Ion:165 Resp: 21660

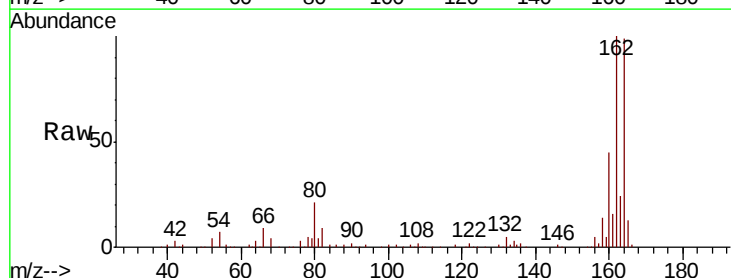
Ion Ratio Lower Upper

165 100

63 1.9 33.4 50.0#

89 0.0 57.2 85.8#

182 0.0 2.6 4.0#

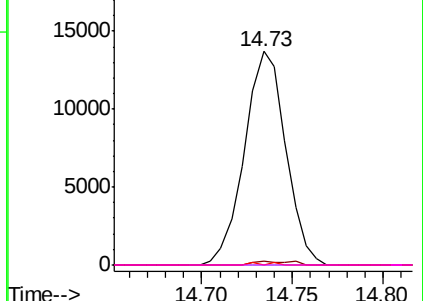
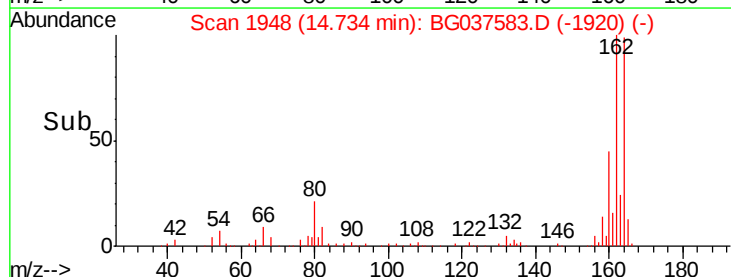


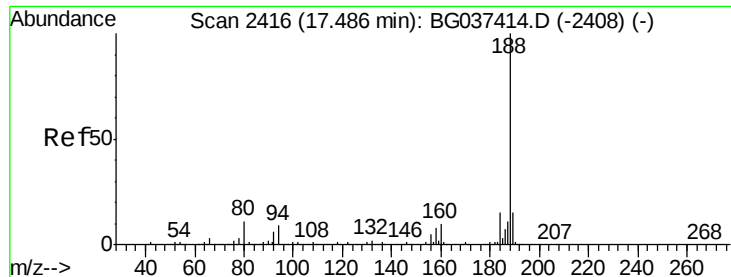
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG037583.D

Acq: 26 Oct 2018 16:32

Instrument :

BNA\_G

ClientSampleId :

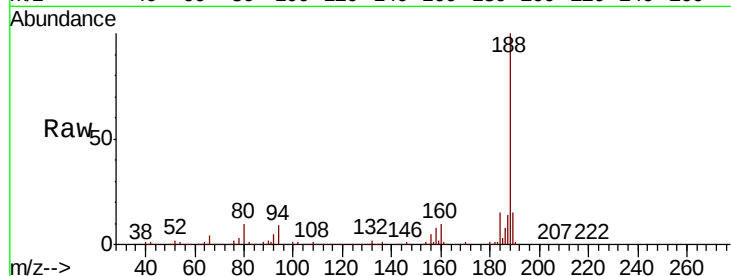
Tot Ion:188 Resp: 410697

Ion Ratio Lower Upper

188 100

94 9.4 7.2 10.8

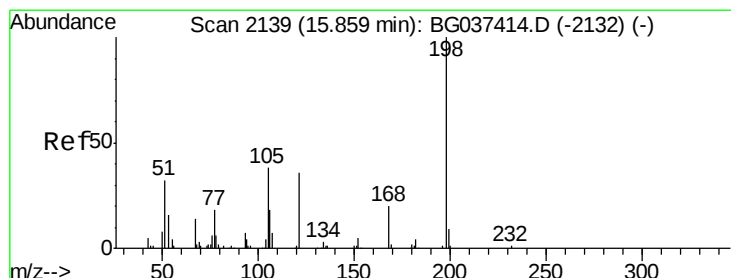
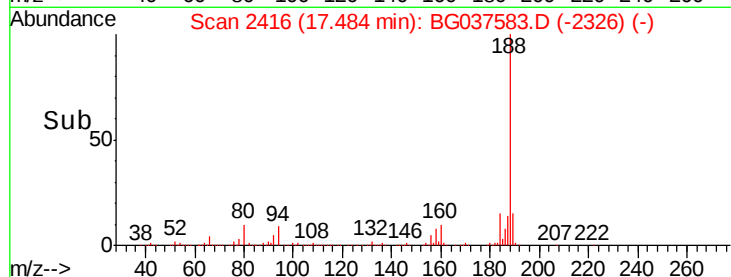
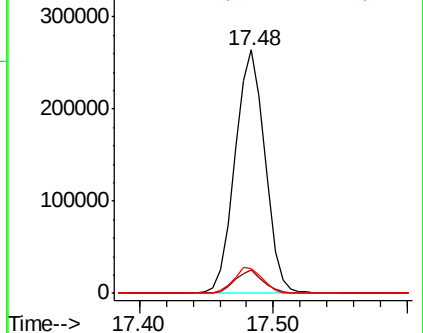
80 10.3 7.7 11.5



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



#65

4,6-Dinitro-2-methylphenol

Concen: 8.775 ng

RT: 16.21 min Scan# 2200

Delta R.T. 0.36 min

Lab File: BG037583.D

Acq: 26 Oct 2018 16:32

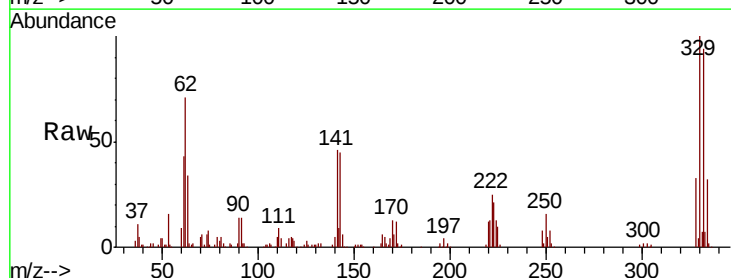
Tgt Ion:198 Resp: 701

Ion Ratio Lower Upper

198 100

51 25.7 22.7 62.7

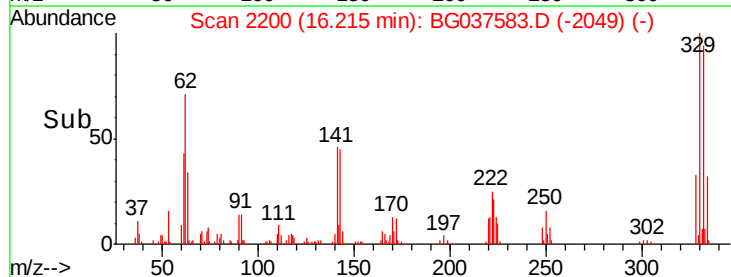
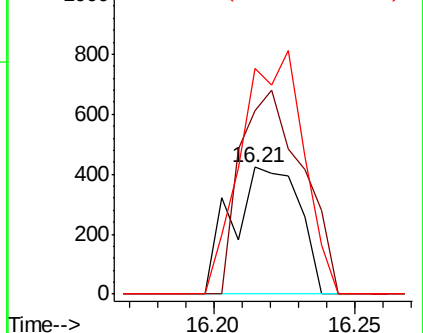
105 31.7 19.7 59.7

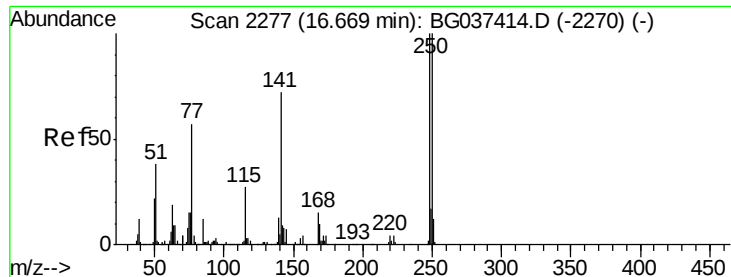


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

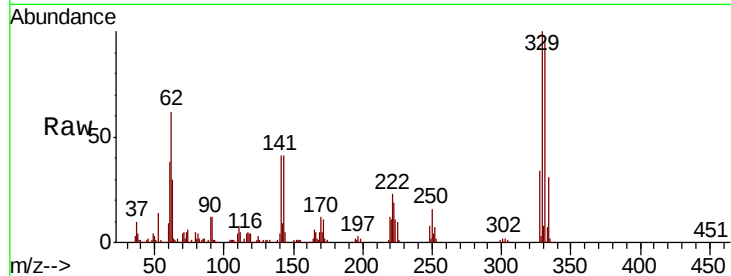




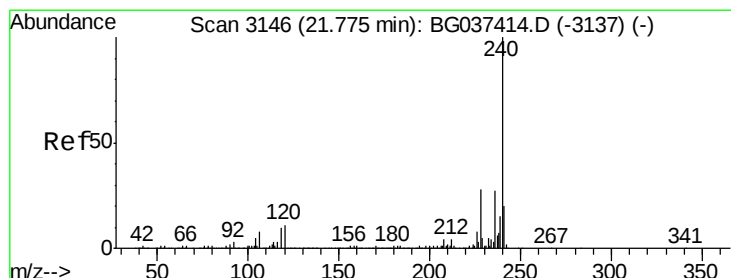
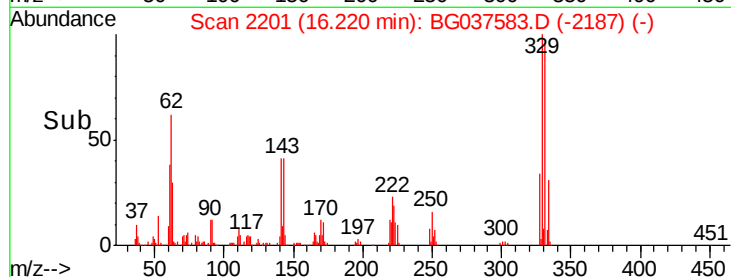
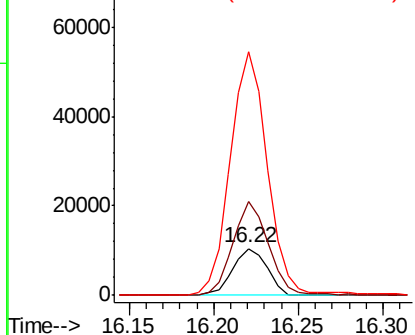
#67  
4-Bromophenyl-phenylether  
Concen: 3.321 ng  
RT: 16.22 min Scan# 2201  
Delta R.T. -0.45 min  
Lab File: BG037583.D  
Acq: 26 Oct 2018 16:32

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:248 Resp: 14978  
Ion Ratio Lower Upper  
248 100  
250 199.9 77.0 115.6#  
141 410.4 55.5 83.3#

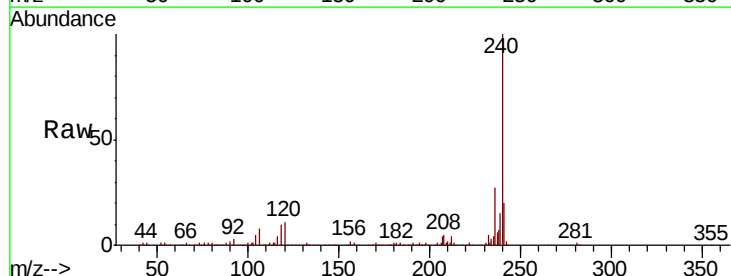


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

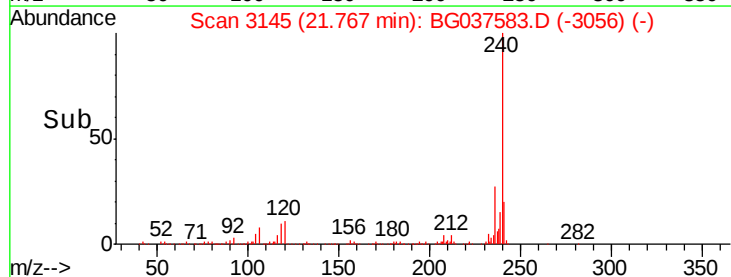
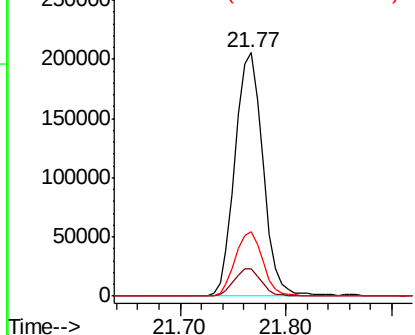


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.77 min Scan# 3145  
Delta R.T. -0.01 min  
Lab File: BG037583.D  
Acq: 26 Oct 2018 16:32

Tgt Ion:240 Resp: 378108  
Ion Ratio Lower Upper  
240 100  
120 11.0 8.1 12.1  
236 26.6 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: 72.533 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037583.D

Acq: 26 Oct 2018 16:32

Instrument :

BNA\_G

ClientSampleId :

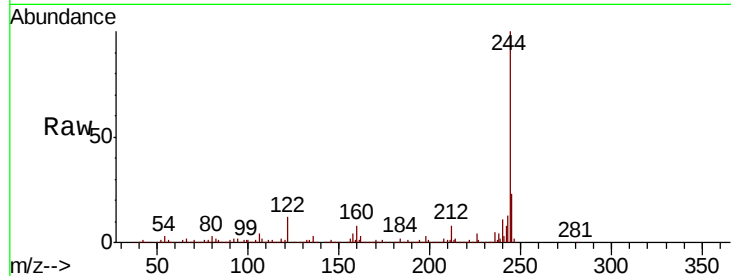
Tot Ion:244 Resp: 1283495

Ion Ratio Lower Upper

244 100

212 8.3 6.5 9.7

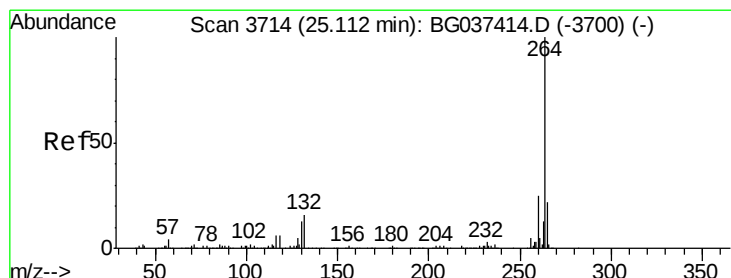
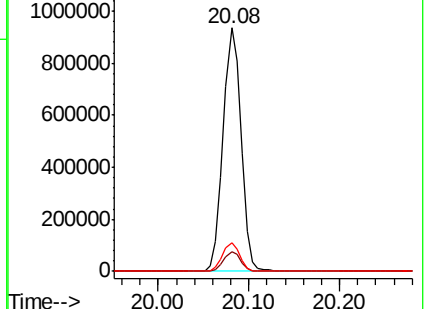
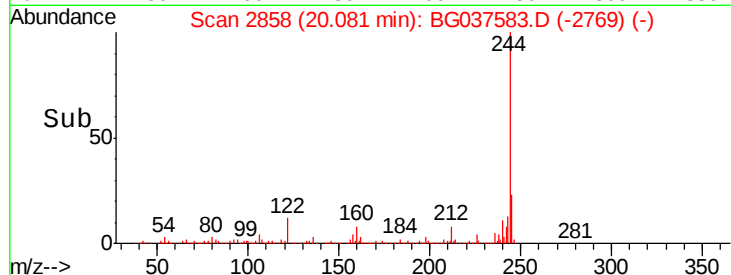
122 11.7 9.0 13.4



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: 25.10 min Scan# 3712

Delta R.T. -0.01 min

Lab File: BG037583.D

Acq: 26 Oct 2018 16:32

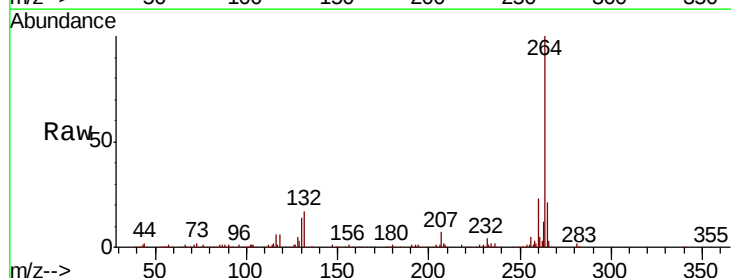
Tgt Ion:264 Resp: 368183

Ion Ratio Lower Upper

264 100

260 23.4 18.2 27.4

265 21.5 17.9 26.9



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

