

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG100618\  
 Data File : BG037204.D  
 Acq On : 6 Oct 2018 00:54  
 Operator : JU/SJ  
 Sample : PB112566BL  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB113566BL

Quant Time: Oct 06 05:08:58 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG092018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 24 10:41:23 2018  
 Response via : Initial Calibration

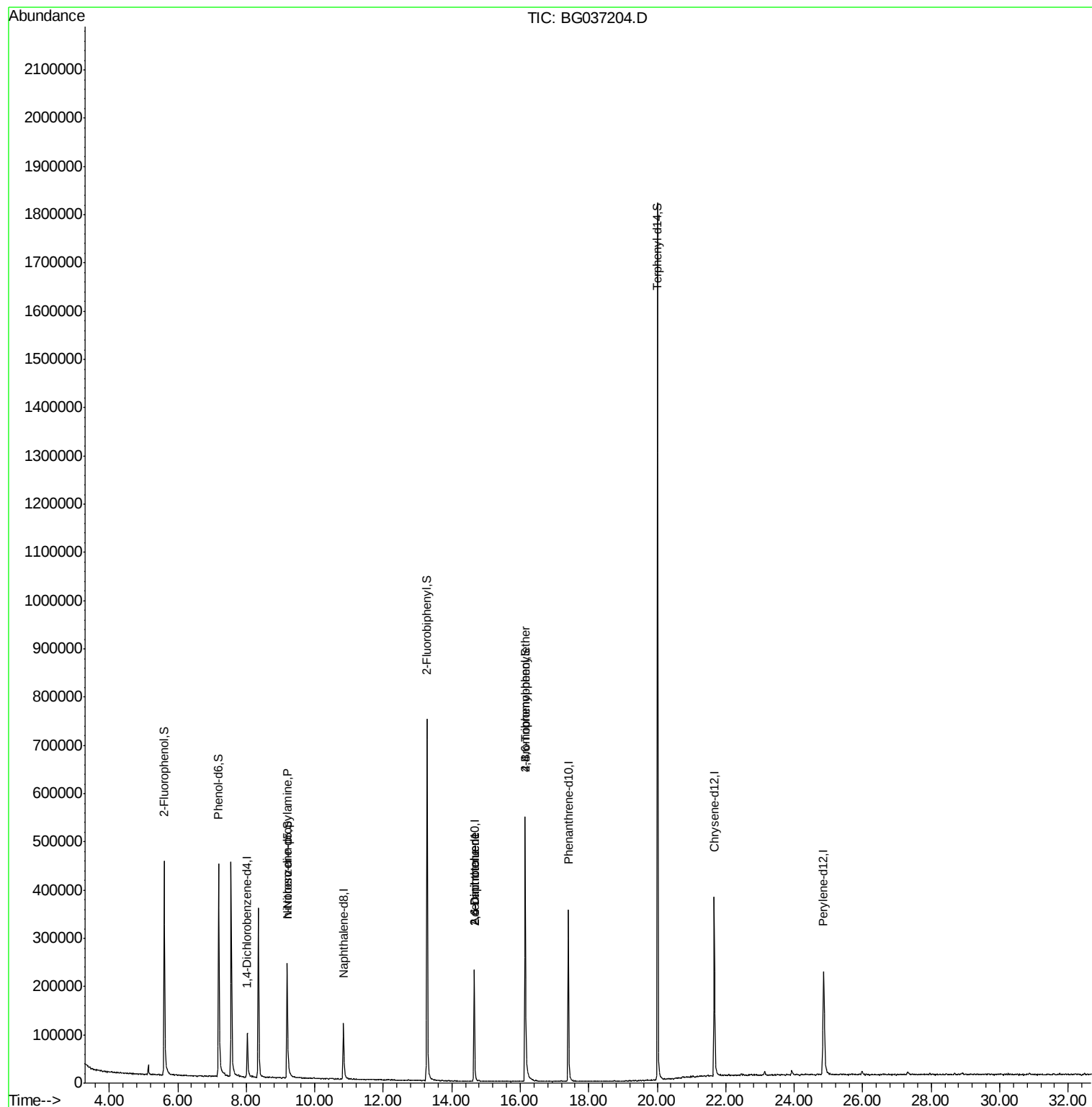
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.03  | 152  | 32468    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 10.84 | 136  | 131991   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10           | 14.66 | 164  | 90299    | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10           | 17.40 | 188  | 258378   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12               | 21.67 | 240  | 277481   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 24.86 | 264  | 263523   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.60  | 112  | 223605   | 132.08 | ng    | -0.02    |
| 7) Phenol-d6                   | 7.19  | 99   | 308582   | 117.81 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 9.19  | 82   | 197528   | 80.14  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 16.14 | 330  | 124439   | 115.18 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl           | 13.28 | 172  | 452631   | 74.66  | ng    | -0.02    |
| 78) Terphenyl-d14              | 20.01 | 244  | 924272   | 87.59  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.19  | 70   | 24699    | 11.335 | ng    | # 74     |
| 50) 2,6-Dinitrotoluene         | 14.65 | 165  | 11837    | 7.464  | ng    | # 22     |
| 56) 2,4-Dinitrotoluene         | 14.65 | 165  | 11837    | 5.349  | ng    | # 20     |
| 66) 4-Bromophenyl-phenylether  | 16.14 | 248  | 8676     | 2.952  | ng    | # 1      |

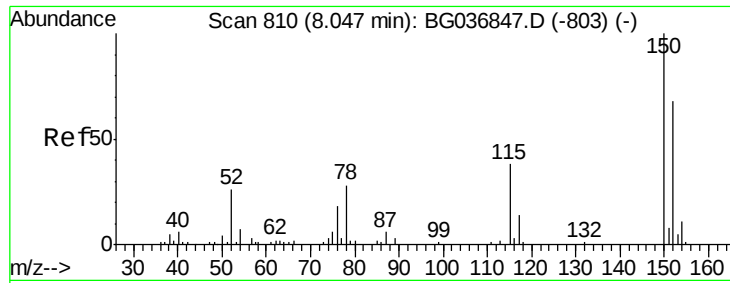
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG100618\  
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Sample : PB112566BL  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

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BNA\_G  
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PB113566BL

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG092018.M  
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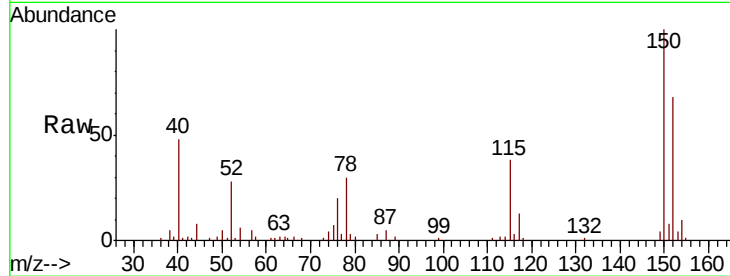


#1

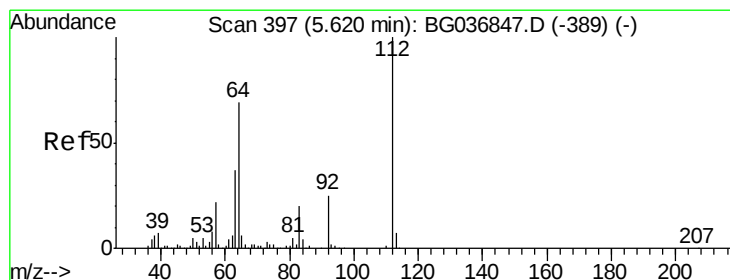
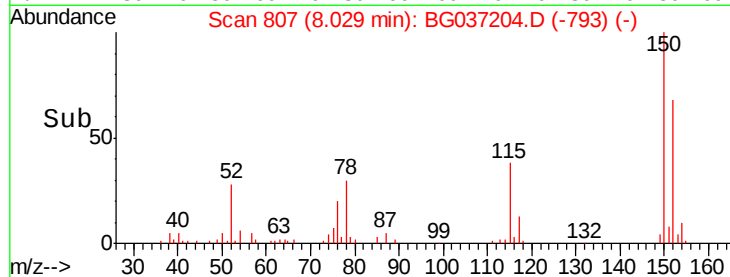
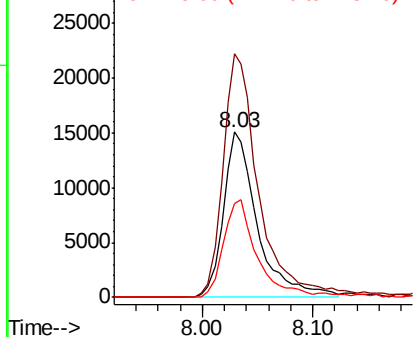
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.03 min Scan# 807  
Delta R.T. -0.02 min  
Lab File: BG037204.D  
Acq: 6 Oct 2018 00:54

Instrument :  
BNA\_G  
ClientSampleId :  
PB113566BL

Tgt Ion:152 Resp: 32468  
Ion Ratio Lower Upper  
152 100  
150 147.2 119.5 179.3  
115 56.4 44.5 66.7



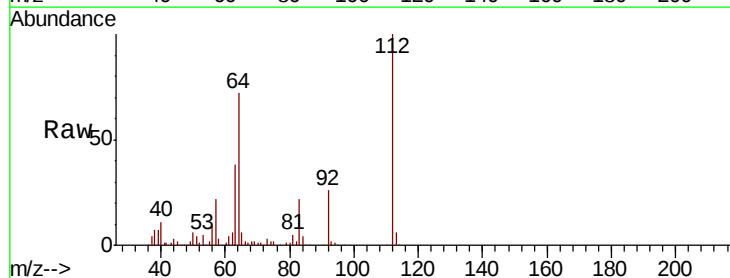
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



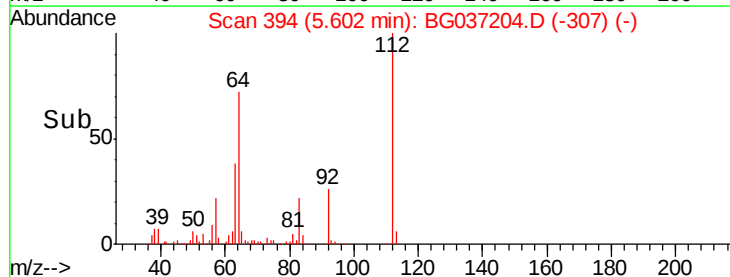
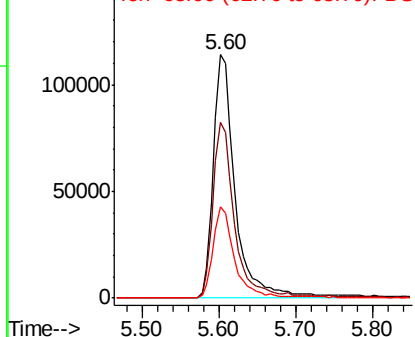
#5

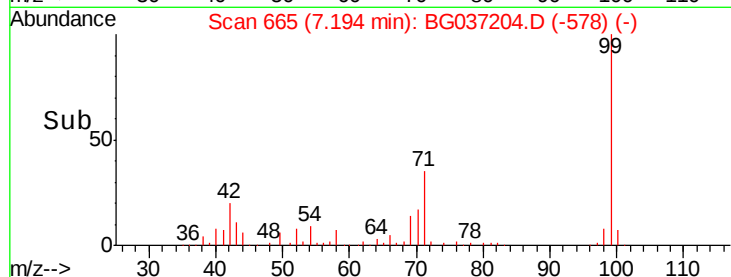
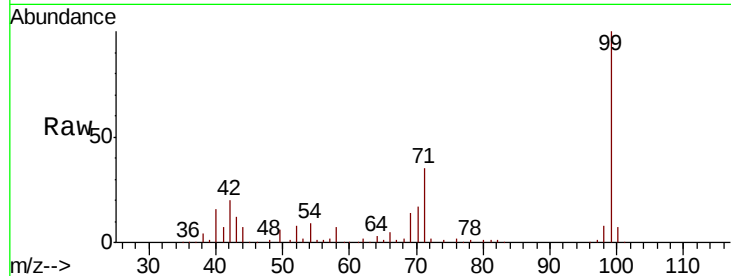
2-Fluorophenol  
Concen: 132.076 ng  
RT: 5.60 min Scan# 394  
Delta R.T. -0.02 min  
Lab File: BG037204.D  
Acq: 6 Oct 2018 00:54

Tgt Ion:112 Resp: 223605  
Ion Ratio Lower Upper  
112 100  
64 72.1 57.2 85.8  
63 37.7 30.8 46.2



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: 117.808 ng

RT: 7.19 min Scan# 665

Delta R.T. -0.02 min

Lab File: BG037204.D

Acq: 6 Oct 2018 00:54

Instrument :

BNA\_G

ClientSampleId :

PB113566BL

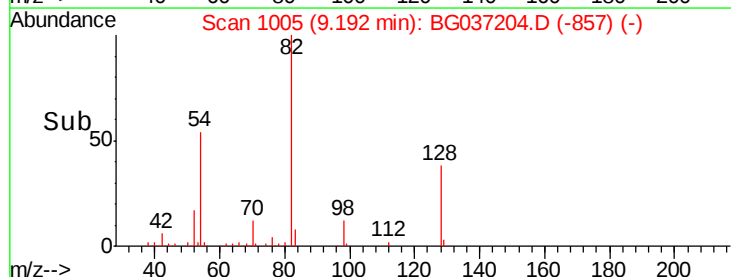
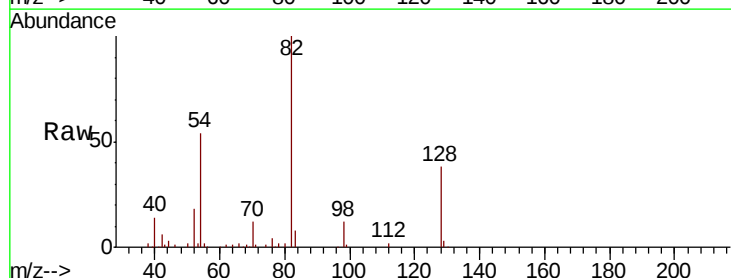
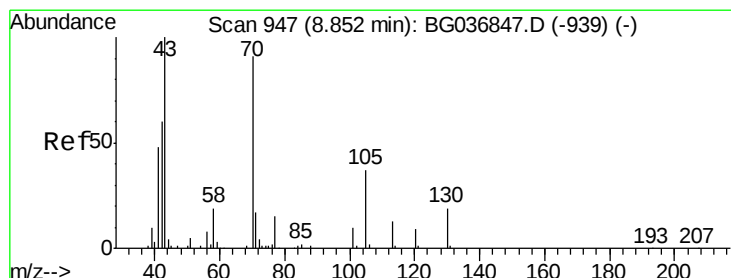
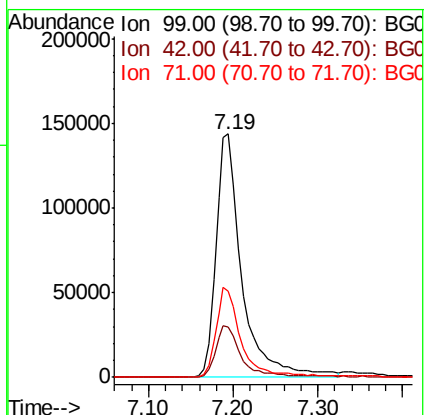
Tgt Ion: 99 Resp: 308582

Ion Ratio Lower Upper

99 100

42 20.5 16.5 24.7

71 35.5 29.4 44.2



#19

n-Nitroso-di-n-propylamine

Concen: 11.335 ng

RT: 9.19 min Scan# 1005

Delta R.T. 0.34 min

Lab File: BG037204.D

Acq: 6 Oct 2018 00:54

Tgt Ion: 70 Resp: 24699

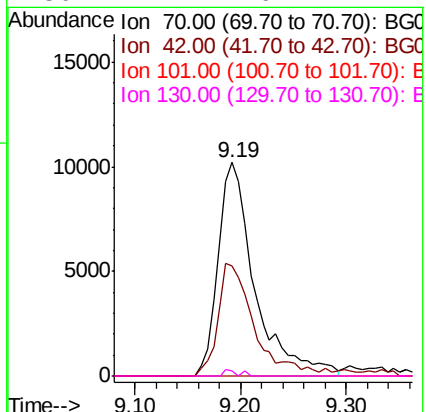
Ion Ratio Lower Upper

70 100

42 51.6 56.2 84.4#

101 0.0 7.8 11.6#

130 2.4 16.2 24.2#

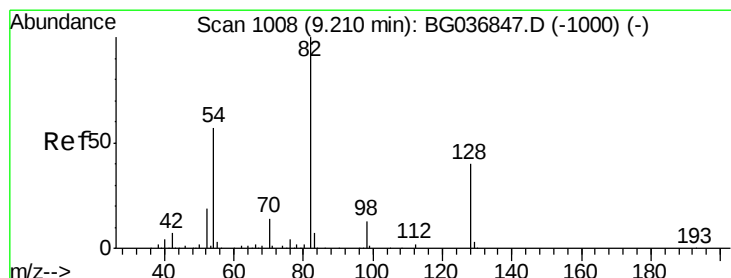
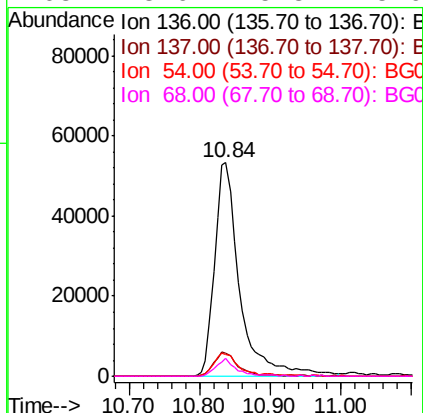
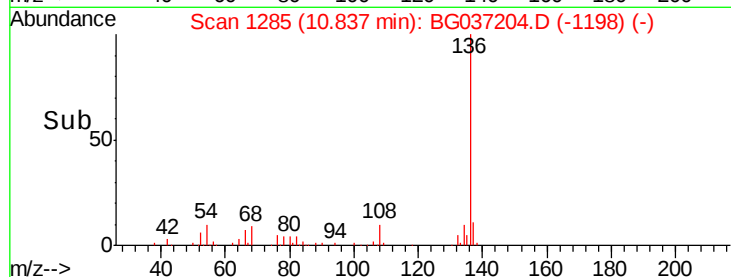
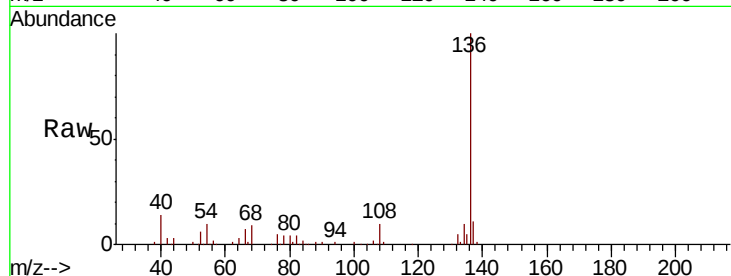




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.84 min Scan# 1285  
Delta R.T. -0.02 min  
Lab File: BG037204.D  
Acq: 6 Oct 2018 00:54

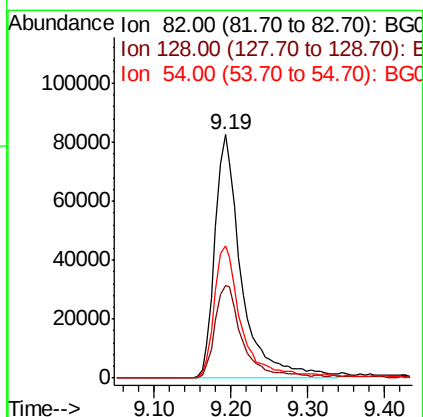
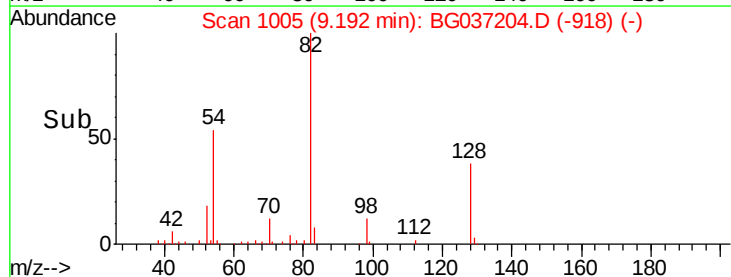
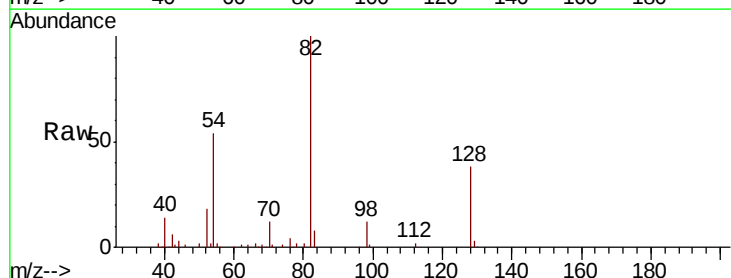
Instrument :  
BNA\_G  
ClientSampleId :  
PB113566BL

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 131991 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.5  | 8.8   | 13.2   |
| 54       | 10.5  | 9.2   | 13.8   |
| 68       | 8.6   | 5.8   | 8.6#   |



#23  
Nitrobenzene-d5  
Concen: 80.141 ng  
RT: 9.19 min Scan# 1005  
Delta R.T. -0.02 min  
Lab File: BG037204.D  
Acq: 6 Oct 2018 00:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 197528 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 38.3  | 33.3  | 49.9   |
| 54       | 54.5  | 45.1  | 67.7   |





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.66 min Scan# 1935

Delta R.T. -0.02 min

Lab File: BG037204.D

Acq: 6 Oct 2018 00:54

Instrument :

BNA\_G

ClientSampleId :

PB113566BL

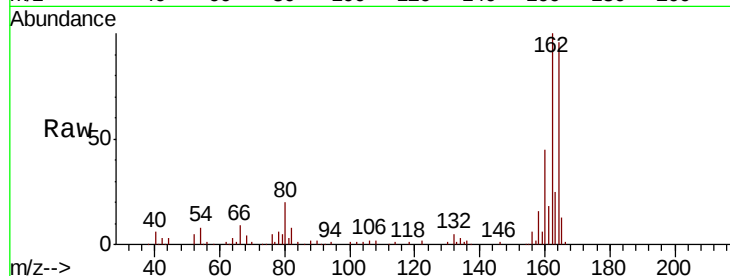
Tgt Ion:164 Resp: 90299

Ion Ratio Lower Upper

164 100

162 104.6 80.7 121.1

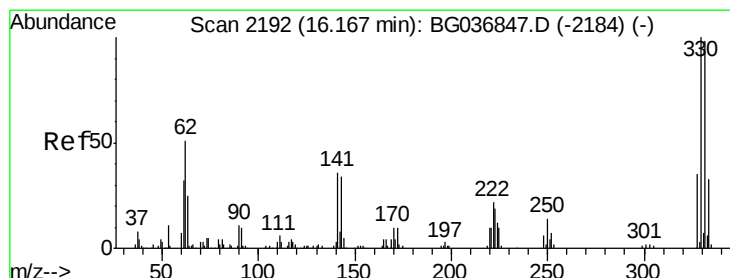
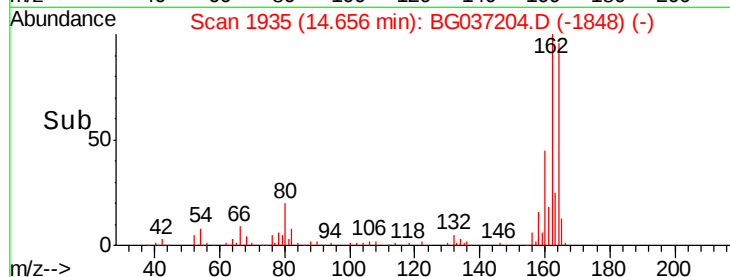
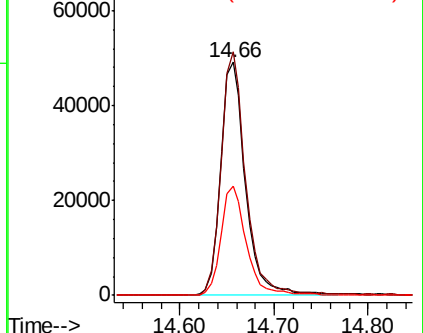
160 47.0 35.3 52.9



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: 115.182 ng

RT: 16.14 min Scan# 2188

Delta R.T. -0.02 min

Lab File: BG037204.D

Acq: 6 Oct 2018 00:54

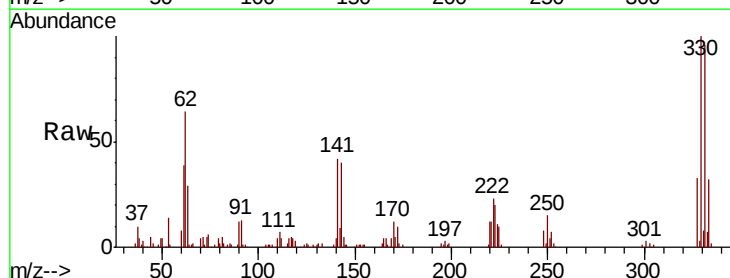
Tgt Ion:330 Resp: 124439

Ion Ratio Lower Upper

330 100

332 97.3 75.4 113.2

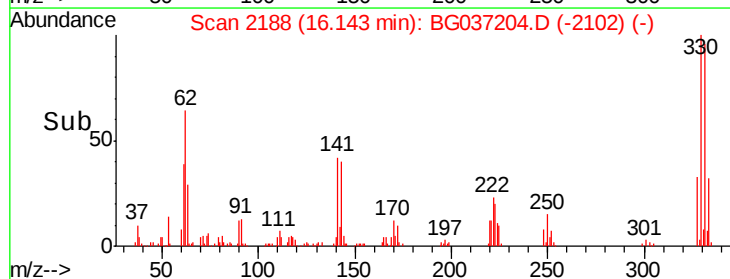
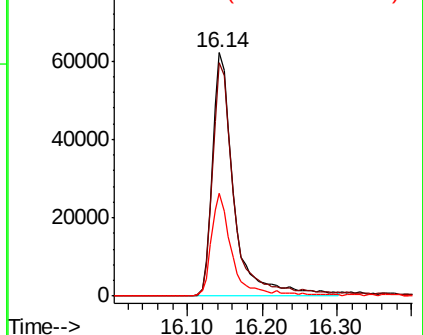
141 38.5 30.7 46.1

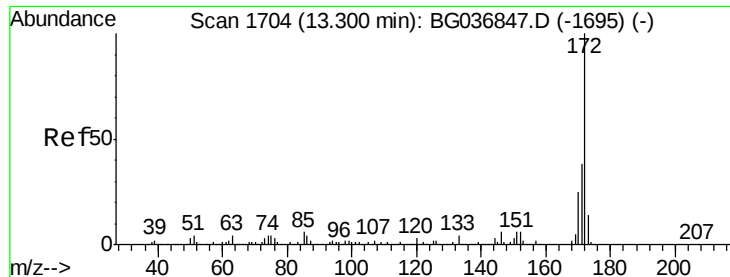


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

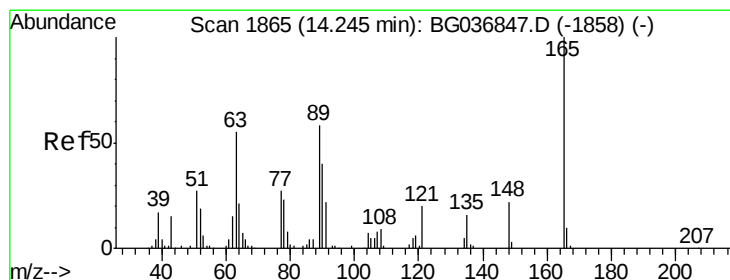
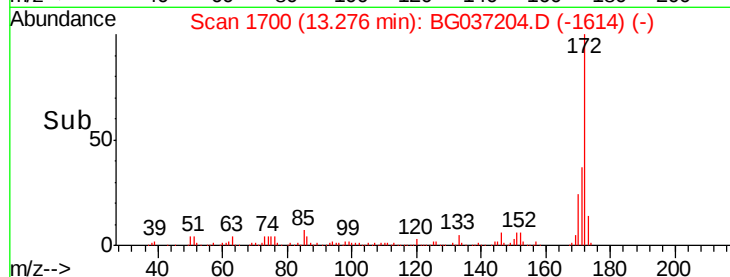
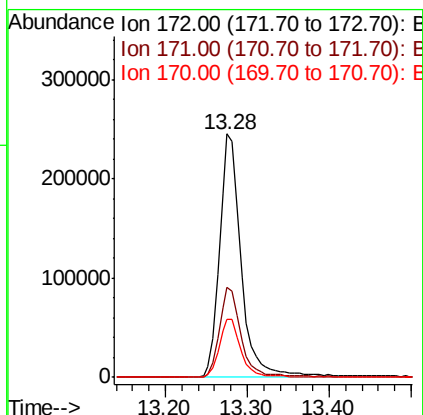
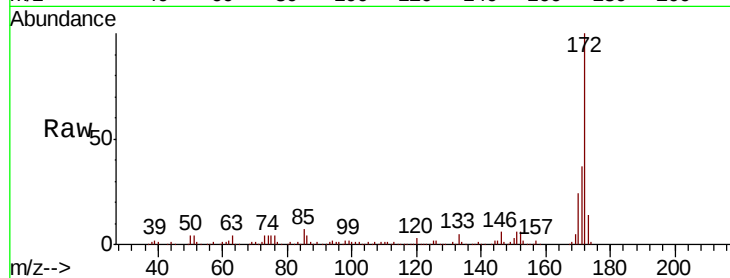




#44  
 2-Fluorobiphenyl  
 Concen: 74.657 ng  
 RT: 13.28 min Scan# 1700  
 Delta R.T. -0.02 min  
 Lab File: BG037204.D  
 Acq: 6 Oct 2018 00:54

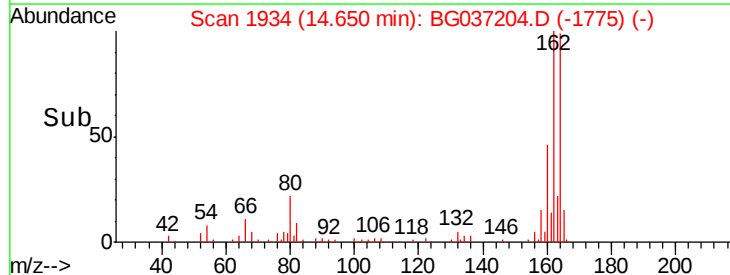
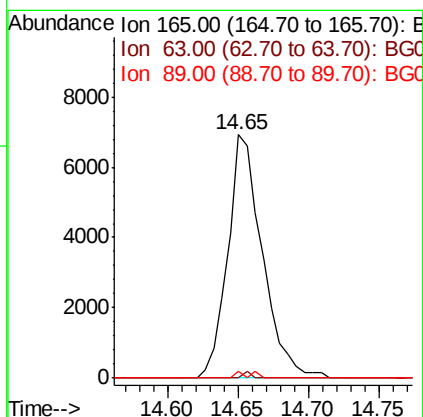
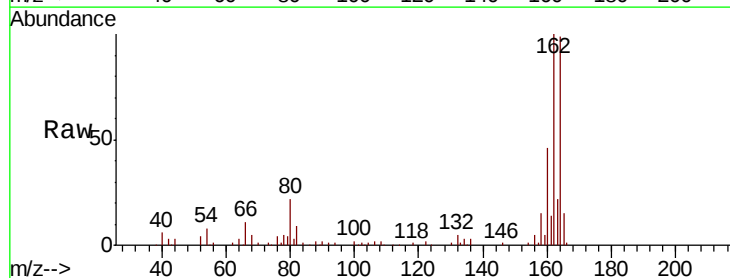
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB113566BL

Tgt Ion:172 Resp: 452631  
 Ion Ratio Lower Upper  
 172 100  
 171 37.2 31.3 46.9  
 170 23.9 21.0 31.6



#50  
 2,6-Dinitrotoluene  
 Concen: 7.464 ng  
 RT: 14.65 min Scan# 1934  
 Delta R.T. 0.40 min  
 Lab File: BG037204.D  
 Acq: 6 Oct 2018 00:54

Tgt Ion:165 Resp: 11837  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 50.1 75.1#  
 89 2.7 47.8 71.6#

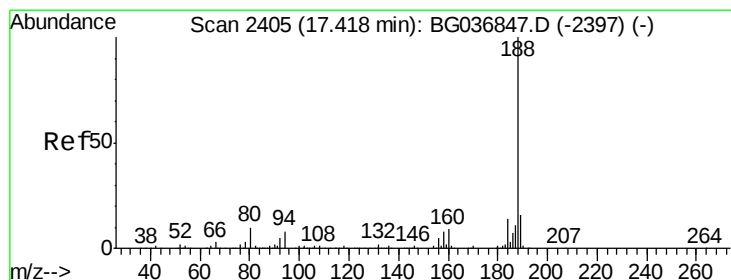
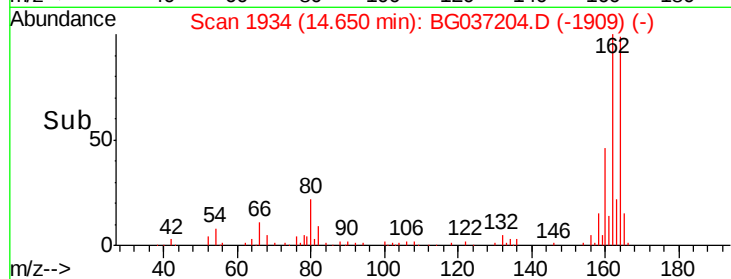
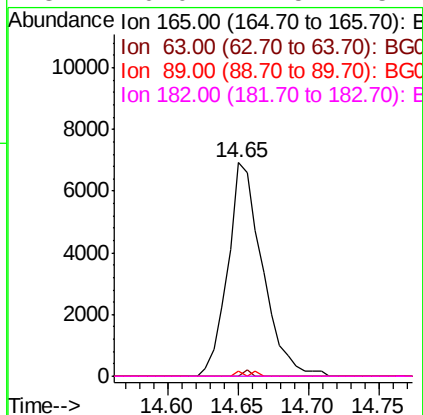
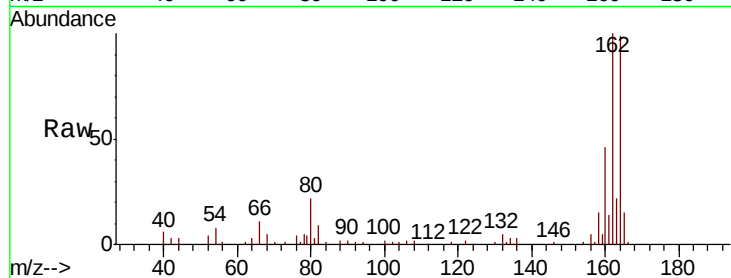




#56  
 2,4-Dinitrotoluene  
 Concen: 5.349 ng  
 RT: 14.65 min Scan# 1934  
 Delta R.T. -0.38 min  
 Lab File: BG037204.D  
 Acq: 6 Oct 2018 00:54

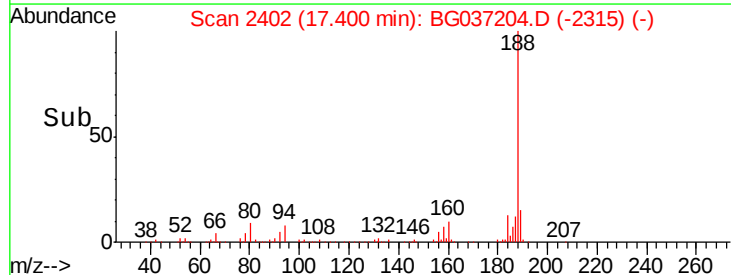
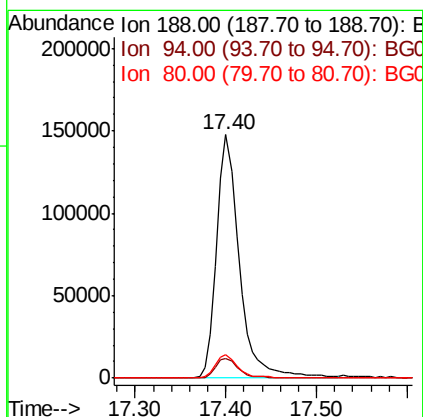
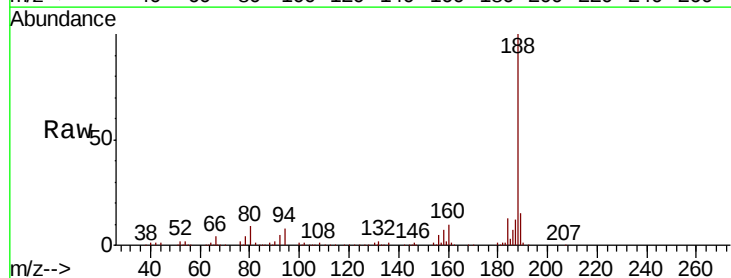
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB113566BL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 40.1  | 60.1# |
| 89      | 2.7   | 63.7  | 95.5# |
| 182     | 0.0   | 2.5   | 3.7#  |



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.40 min Scan# 2402  
 Delta R.T. -0.02 min  
 Lab File: BG037204.D  
 Acq: 6 Oct 2018 00:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.3   | 6.7   | 10.1  |
| 80      | 9.5   | 8.1   | 12.1  |

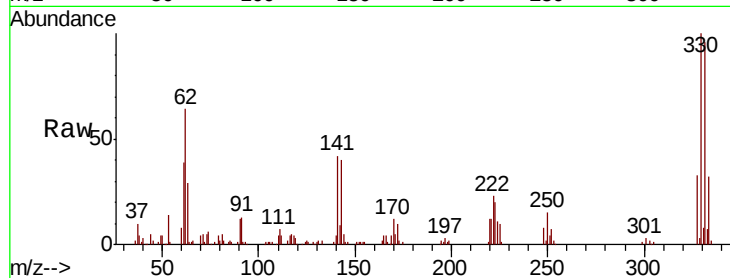




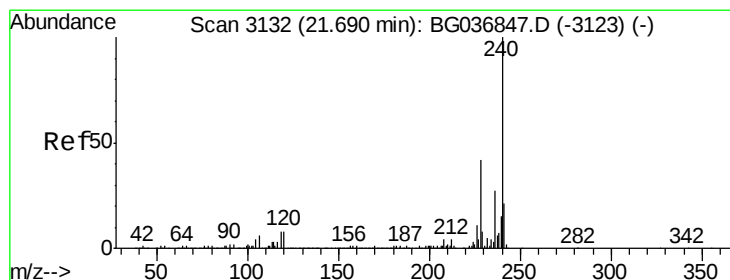
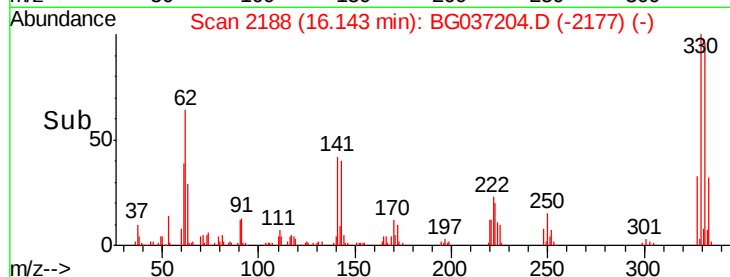
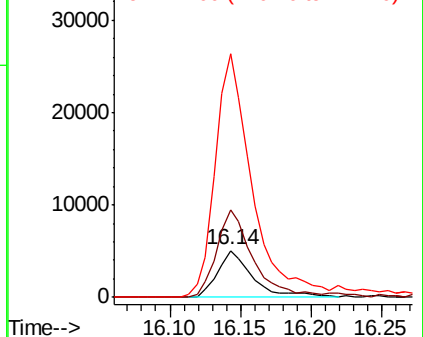
#66  
 4-Bromophenyl-phenylether  
 Concen: 2.952 ng  
 RT: 16.14 min Scan# 2188  
 Delta R.T. -0.46 min  
 Lab File: BG037204.D  
 Acq: 6 Oct 2018 00:54

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB113566BL

Tgt Ion:248 Resp: 8676  
 Ion Ratio Lower Upper  
 248 100  
 250 186.2 78.1 117.1#  
 141 519.1 53.7 80.5#

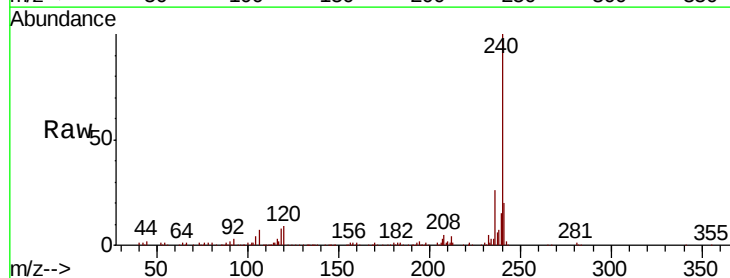


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

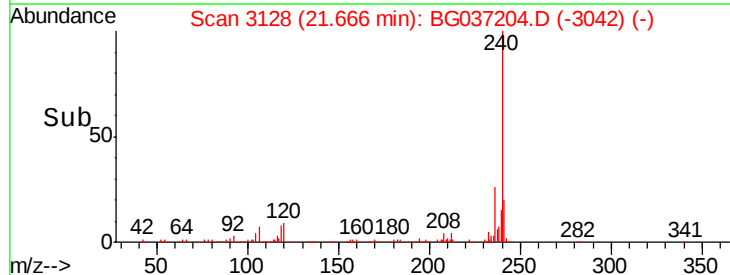
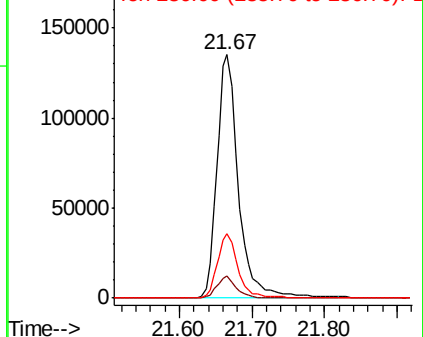


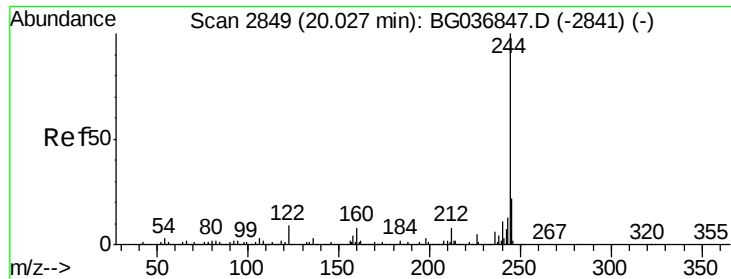
#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.67 min Scan# 3128  
 Delta R.T. -0.02 min  
 Lab File: BG037204.D  
 Acq: 6 Oct 2018 00:54

Tgt Ion:240 Resp: 277481  
 Ion Ratio Lower Upper  
 240 100  
 120 9.1 6.9 10.3  
 236 26.3 21.2 31.8



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: 87.587 ng

RT: 20.01 min Scan# 2846

Delta R.T. -0.02 min

Lab File: BG037204.D

Acq: 6 Oct 2018 00:54

Instrument :

BNA\_G

ClientSampleId :

PB113566BL

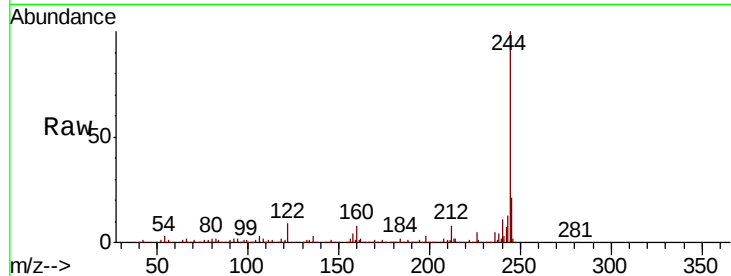
Tgt Ion:244 Resp: 924272

Ion Ratio Lower Upper

244 100

212 8.4 7.0 10.6

122 9.2 7.1 10.7



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

800000

600000

400000

200000

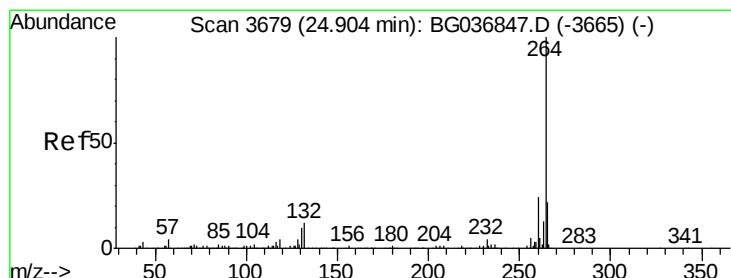
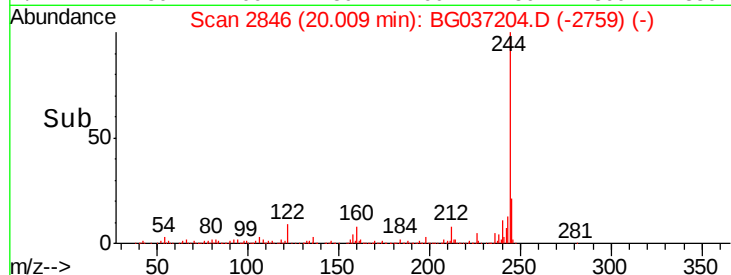
0

20.01

20.00

20.20

Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.86 min Scan# 3671

Delta R.T. -0.05 min

Lab File: BG037204.D

Acq: 6 Oct 2018 00:54

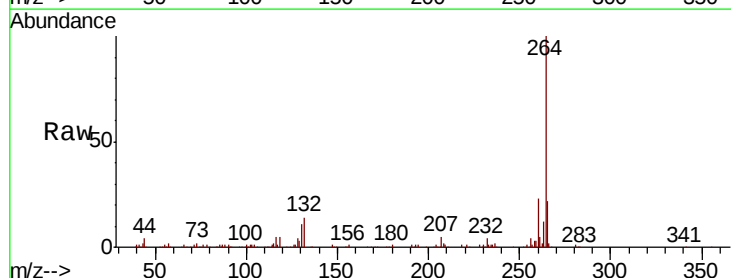
Tgt Ion:264 Resp: 263523

Ion Ratio Lower Upper

264 100

260 23.5 19.6 29.4

265 22.3 17.4 26.0



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

100000

80000

60000

40000

20000

0

24.86

24.80

25.00

Time-->

