

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG100918\  
 Data File : BG037234.D  
 Acq On : 10 Oct 2018 1:59  
 Operator : JU/SJ  
 Sample : J5200-06  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-03-100818-A

Quant Time: Oct 10 07:06:52 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG092018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 10 06:57:02 2018  
 Response via : Initial Calibration

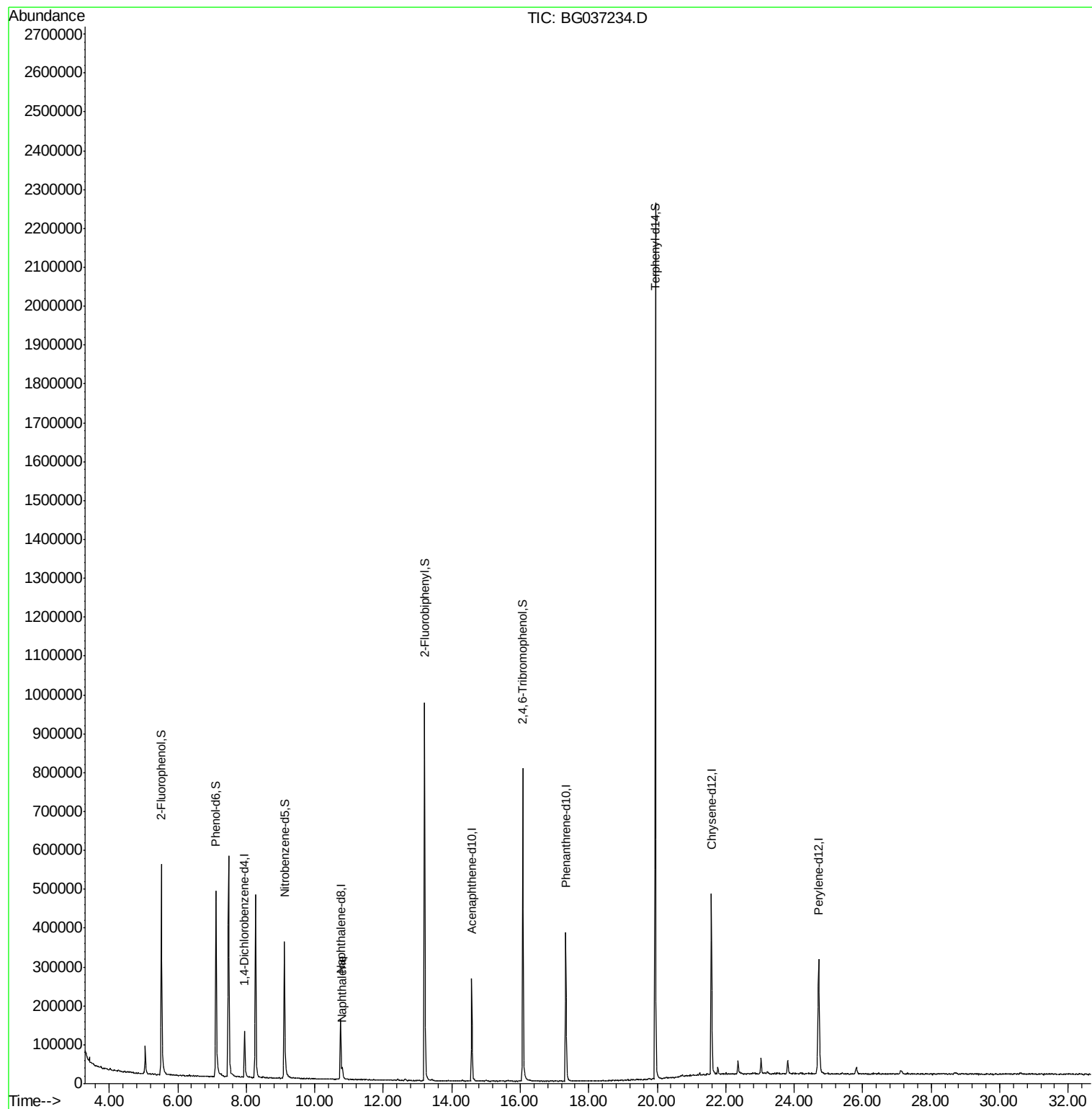
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.95  | 152  | 42166    | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 10.76 | 136  | 156897   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10        | 14.59 | 164  | 98248    | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 17.33 | 188  | 264280   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 21.58 | 240  | 308333   | 20.00  | ng    | 0.00      |
| 86) Perylene-d12            | 24.71 | 264  | 306346   | 20.00  | ng    | 0.00      |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.52  | 112  | 256850   | 116.82 | ng    | 0.00      |
| 7) Phenol-d6                | 7.11  | 99   | 311103   | 91.45  | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 9.11  | 82   | 253453   | 86.51  | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol    | 16.07 | 330  | 158683   | 134.99 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 13.21 | 172  | 539325   | 81.76  | ng    | 0.00      |
| 78) Terphenyl-d14           | 19.95 | 244  | 1120924  | 95.59  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 31) Naphthalene             | 10.81 | 128  | 25508    | 3.417  | ng    | Qvalue 97 |

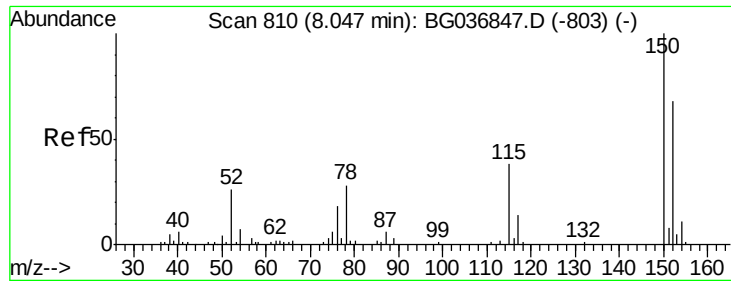
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG100918\  
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ALS Vial : 14 Sample Multiplier: 1

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BNA\_G  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG092018.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Oct 10 06:57:02 2018  
Response via : Initial Calibration



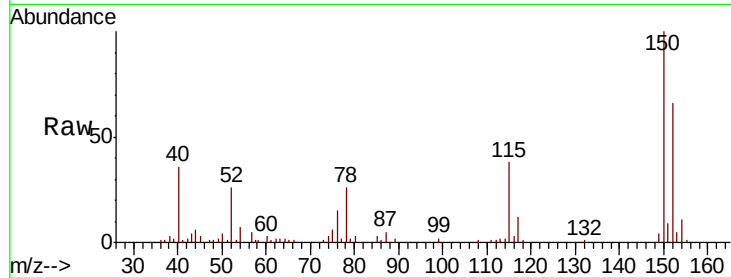


#1

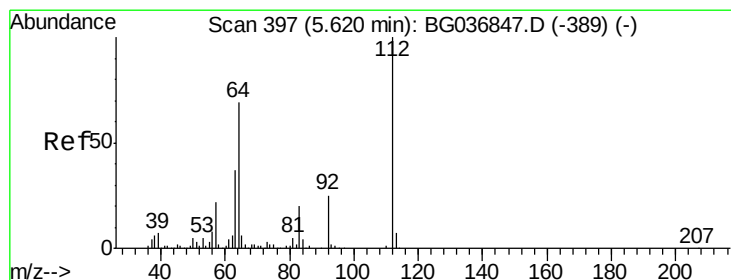
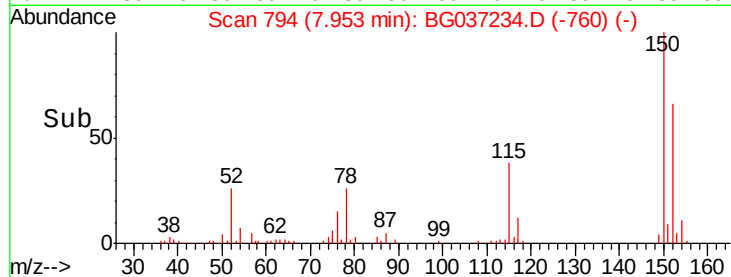
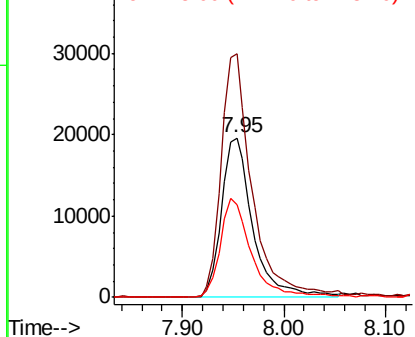
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.95 min Scan# 794  
Delta R.T. -0.00 min  
Lab File: BG037234.D  
Acq: 10 Oct 2018 1:59

Instrument :  
BNA\_G  
ClientSampleId :  
OR-03-100818-A

Tgt Ion:152 Resp: 42166  
Ion Ratio Lower Upper  
152 100  
150 152.4 119.5 179.3  
115 57.7 44.5 66.7



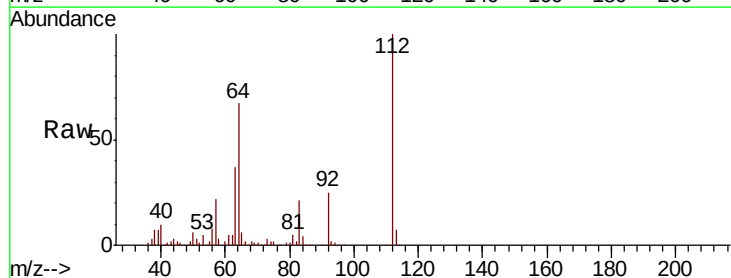
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



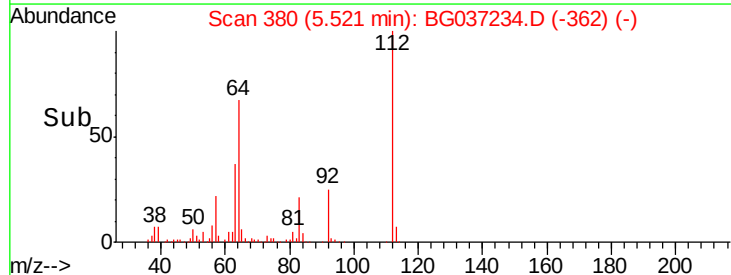
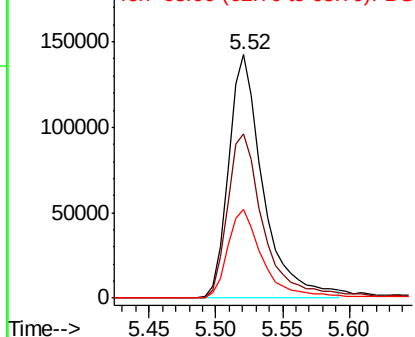
#5

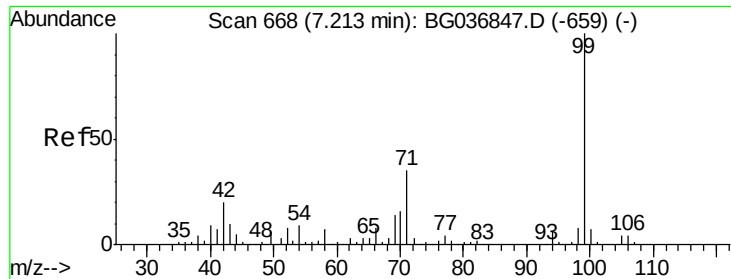
2-Fluorophenol  
Concen: 116.820 ng  
RT: 5.52 min Scan# 380  
Delta R.T. 0.01 min  
Lab File: BG037234.D  
Acq: 10 Oct 2018 1:59

Tgt Ion:112 Resp: 256850  
Ion Ratio Lower Upper  
112 100  
64 67.5 57.2 85.8  
63 36.6 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: 91.454 ng

RT: 7.11 min Scan# 651

Delta R.T. -0.00 min

Lab File: BG037234.D

Acq: 10 Oct 2018 1:59

Instrument :

BNA\_G

ClientSampleId :

OR-03-100818-A

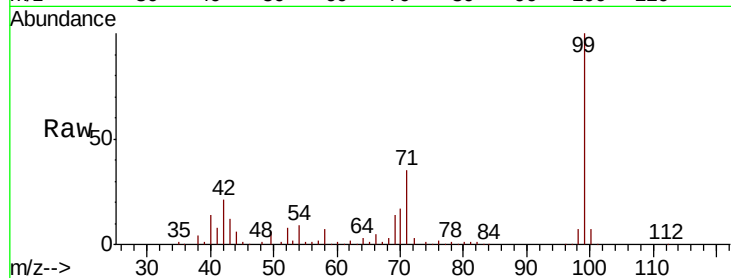
Tgt Ion: 99 Resp: 311103

Ion Ratio Lower Upper

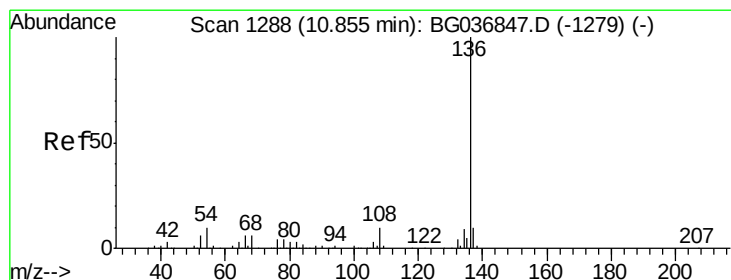
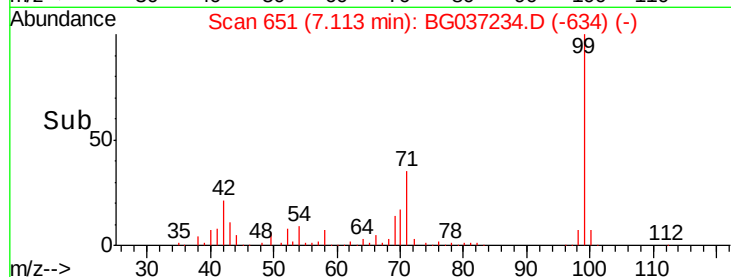
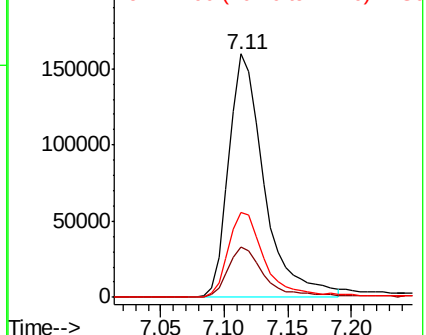
99 100

42 20.8 16.5 24.7

71 34.8 29.4 44.2



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: 10.76 min Scan# 1271

Delta R.T. -0.00 min

Lab File: BG037234.D

Acq: 10 Oct 2018 1:59

Tgt Ion: 136 Resp: 156897

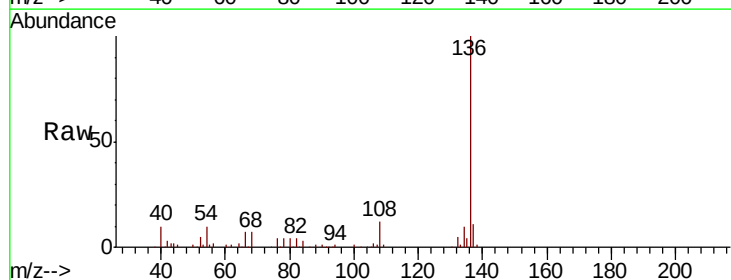
Ion Ratio Lower Upper

136 100

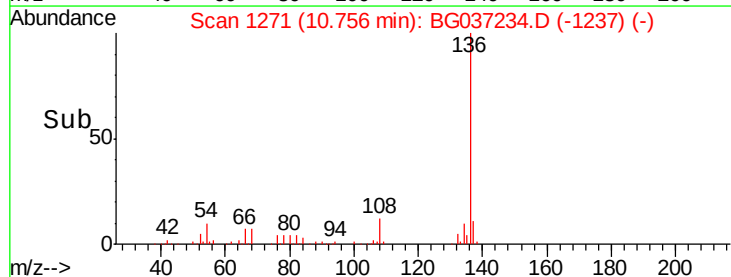
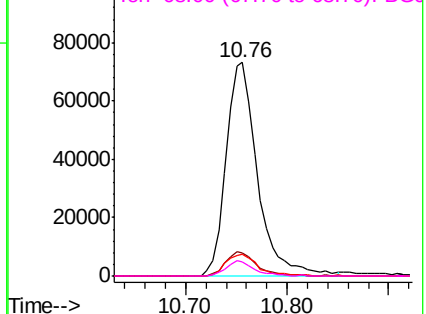
137 10.7 8.8 13.2

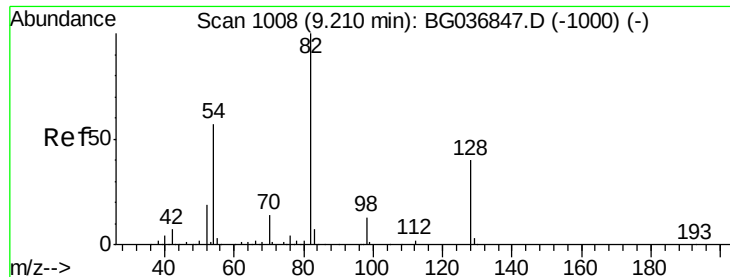
54 10.0 9.2 13.8

68 6.6 5.8 8.6



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

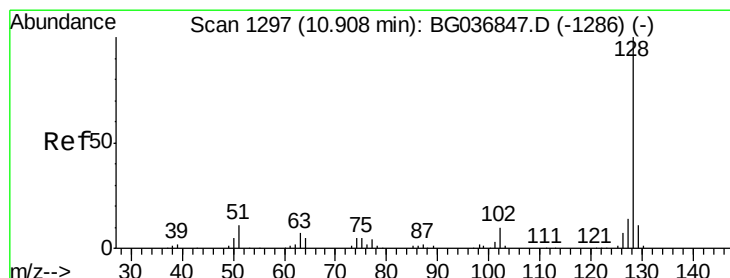
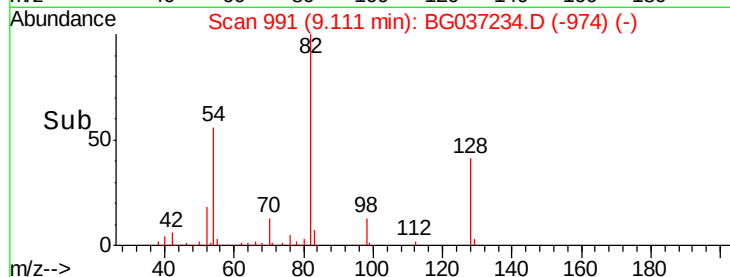
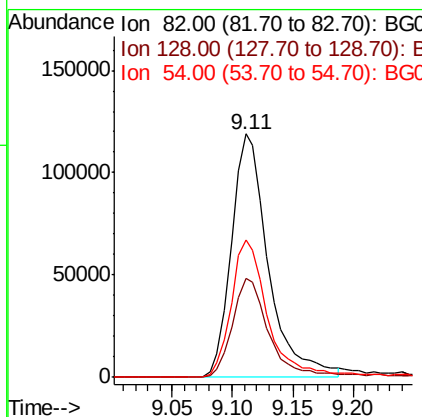
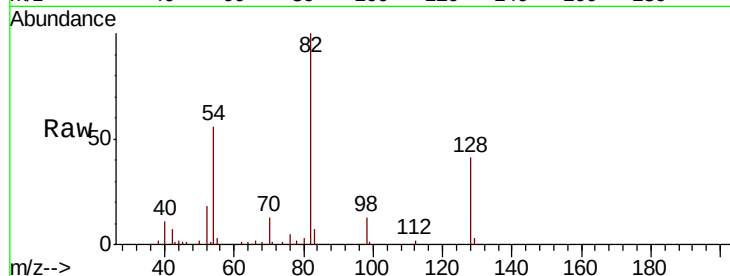




#23  
 Nitrobenzene-d5  
 Concen: 86.507 ng  
 RT: 9.11 min Scan# 991  
 Delta R.T. -0.00 min  
 Lab File: BG037234.D  
 Acq: 10 Oct 2018 1:59

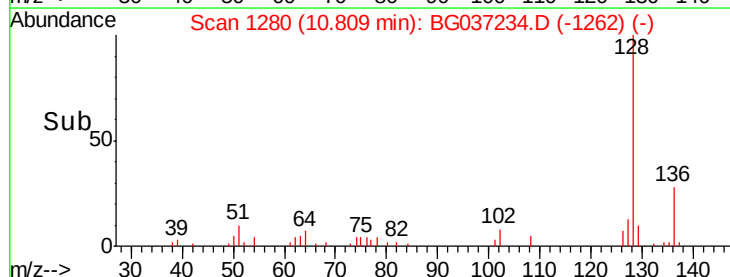
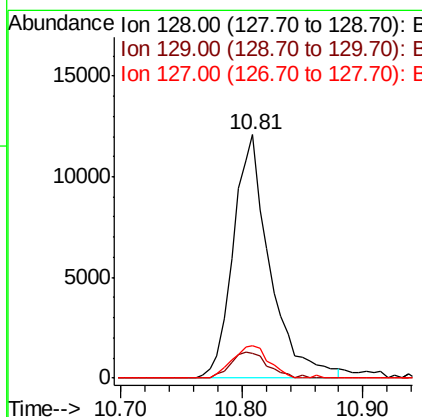
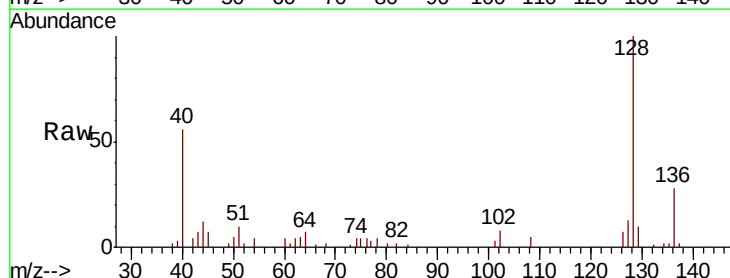
Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-03-100818-A

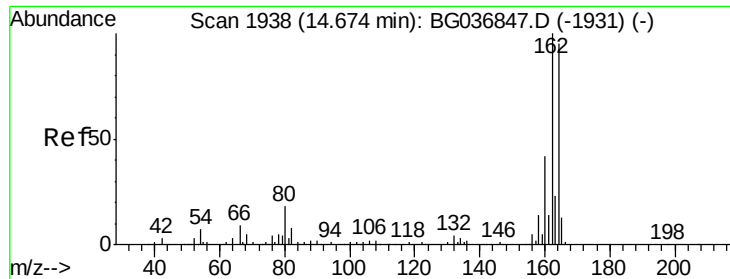
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 40.7  | 33.3  | 49.9  |
| 54      | 56.5  | 45.1  | 67.7  |



#31  
 Naphthalene  
 Concen: 3.417 ng  
 RT: 10.81 min Scan# 1280  
 Delta R.T. 0.01 min  
 Lab File: BG037234.D  
 Acq: 10 Oct 2018 1:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 9.9   | 9.4   | 14.2  |
| 127     | 13.3  | 11.0  | 16.4  |

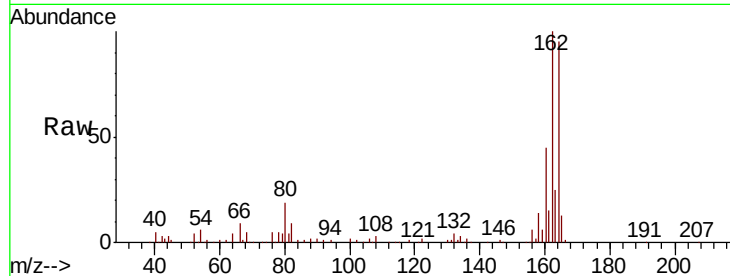




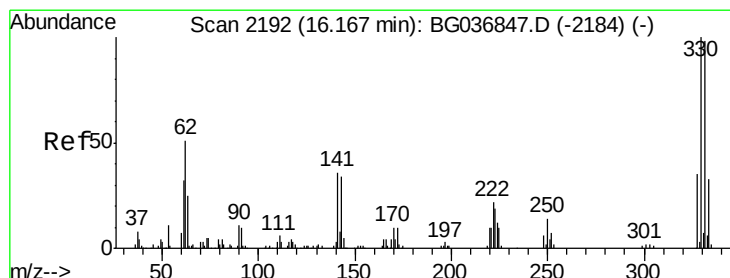
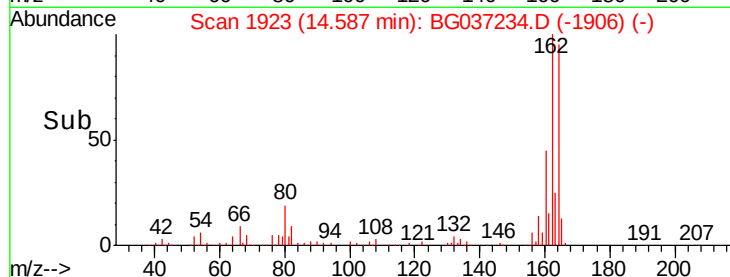
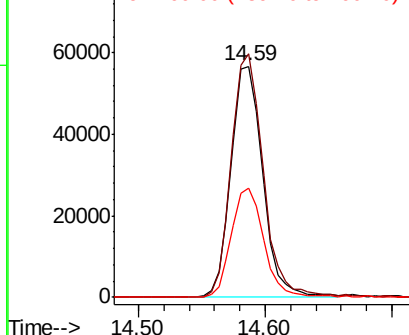
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.59 min Scan# 1923  
 Delta R.T. -0.00 min  
 Lab File: BG037234.D  
 Acq: 10 Oct 2018 1:59

Instrument :  
 BNA\_G  
 ClientSampleId :  
 OR-03-100818-A

Tgt Ion:164 Resp: 98248  
 Ion Ratio Lower Upper  
 164 100  
 162 105.4 80.7 121.1  
 160 47.1 35.3 52.9

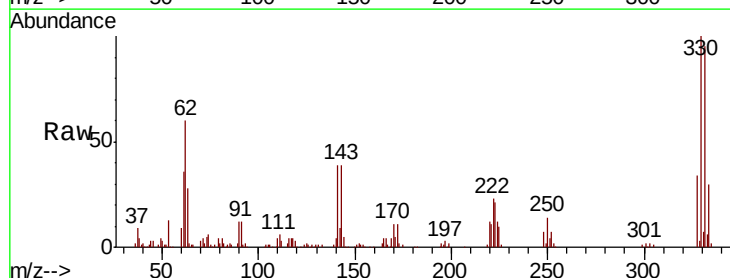


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

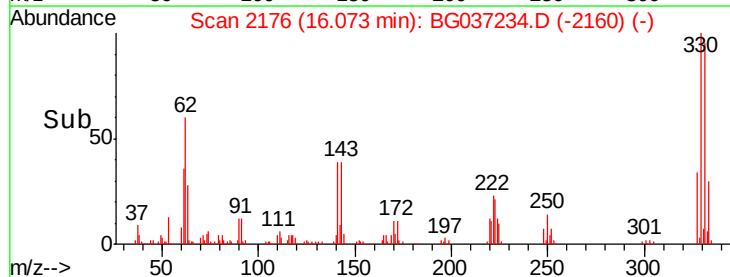
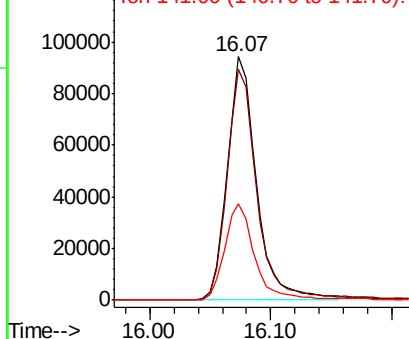


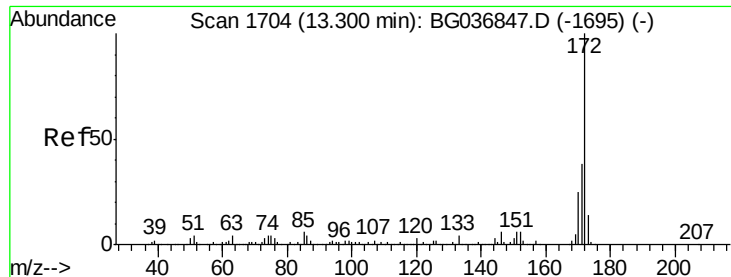
#41  
 2,4,6-Tribromophenol  
 Concen: 134.995 ng  
 RT: 16.07 min Scan# 2176  
 Delta R.T. -0.01 min  
 Lab File: BG037234.D  
 Acq: 10 Oct 2018 1:59

Tgt Ion:330 Resp: 158683  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 75.4 113.2  
 141 40.0 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

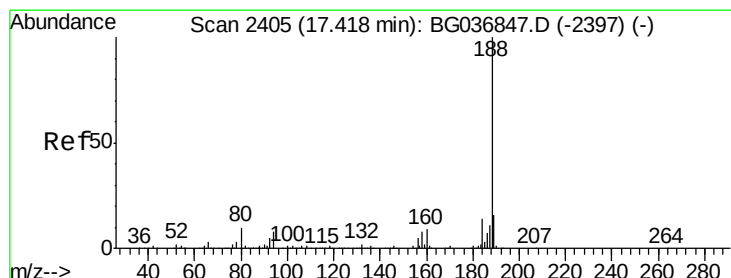
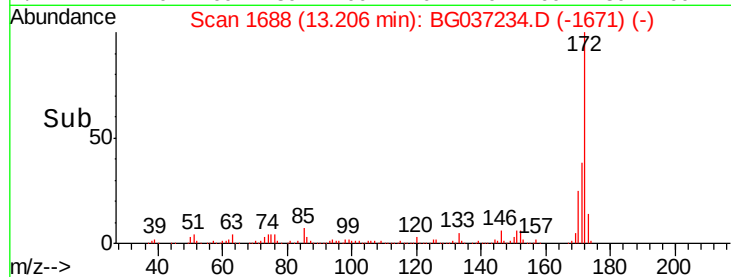
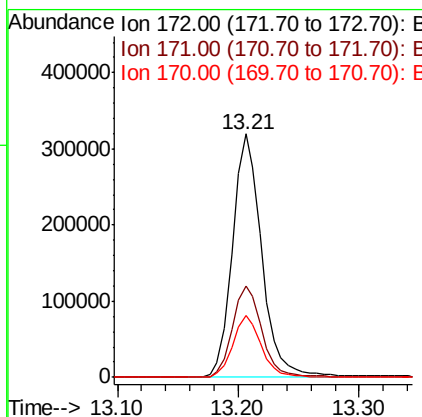
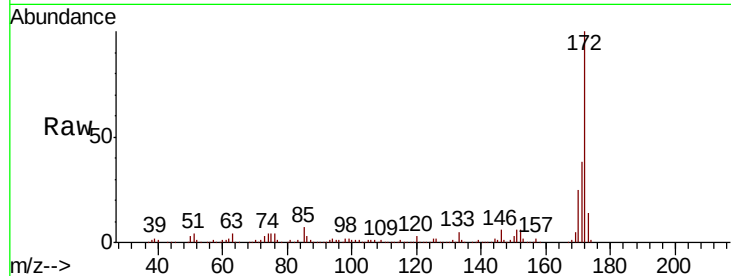




#44  
 2-Fluorobiphenyl  
 Concen: 81.759 ng  
 RT: 13.21 min Scan# 1688  
 Delta R.T. -0.00 min  
 Lab File: BG037234.D  
 Acq: 10 Oct 2018 1:59

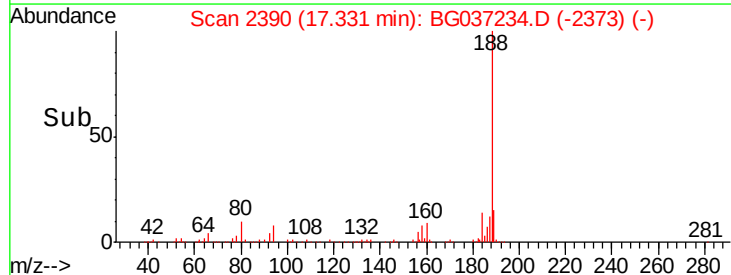
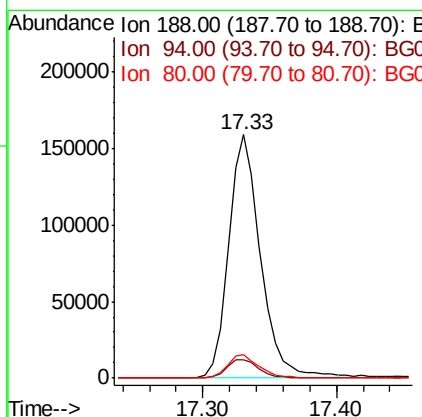
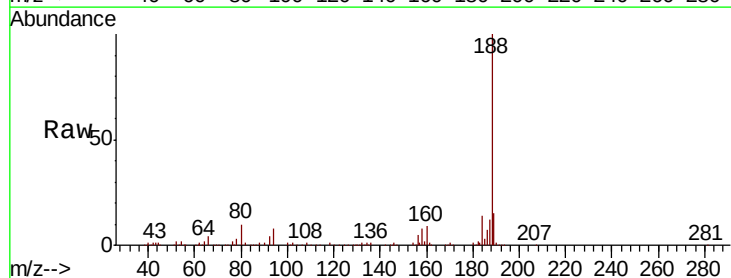
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 BNA\_G  
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 OR-03-100818-A

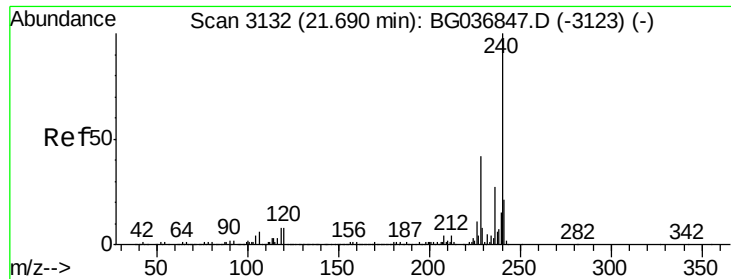
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.6  | 31.3  | 46.9  |
| 170     | 25.2  | 21.0  | 31.6  |



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.33 min Scan# 2390  
 Delta R.T. -0.00 min  
 Lab File: BG037234.D  
 Acq: 10 Oct 2018 1:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.5   | 6.7   | 10.1  |
| 80      | 9.5   | 8.1   | 12.1  |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.58 min Scan# 3113

Delta R.T. -0.01 min

Lab File: BG037234.D

Acq: 10 Oct 2018 1:59

Instrument :

BNA\_G

ClientSampleId :

OR-03-100818-A

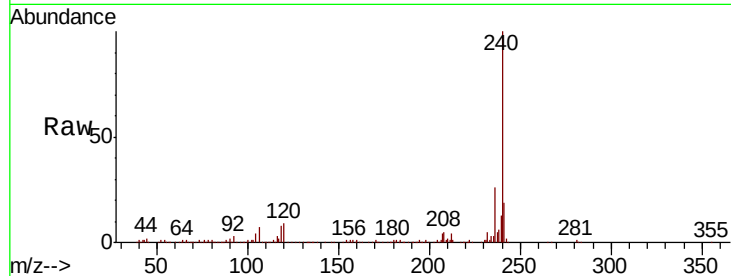
Tgt Ion:240 Resp: 308333

Ion Ratio Lower Upper

240 100

120 9.4 6.9 10.3

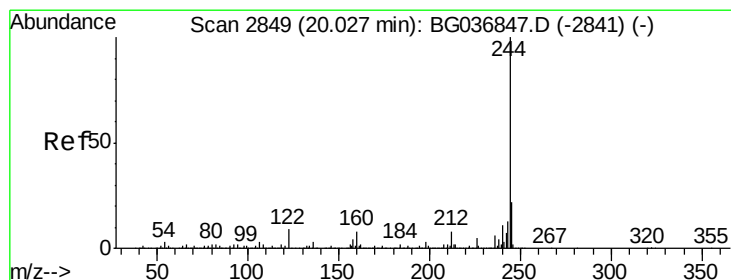
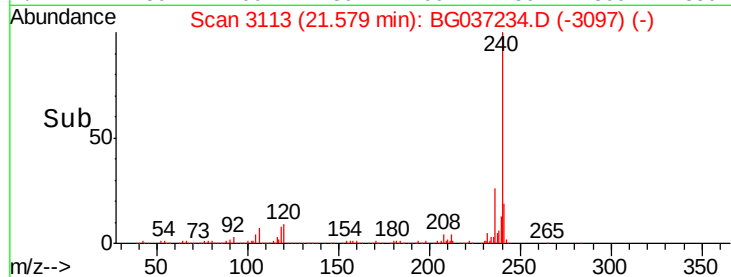
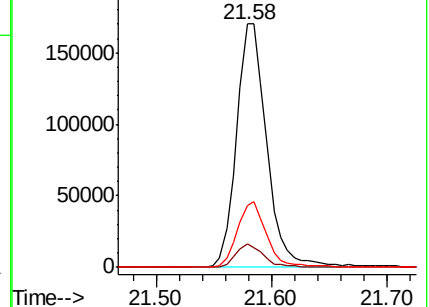
236 25.6 21.2 31.8



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: 95.593 ng

RT: 19.95 min Scan# 2835

Delta R.T. -0.00 min

Lab File: BG037234.D

Acq: 10 Oct 2018 1:59

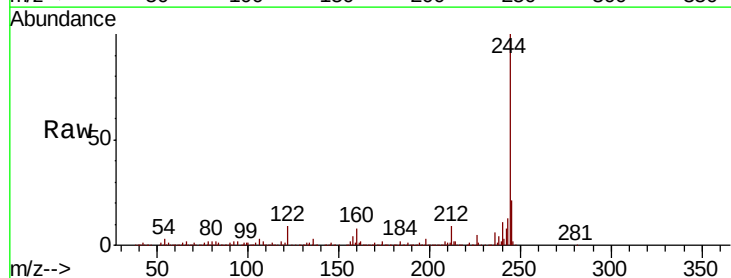
Tgt Ion:244 Resp: 1120924

Ion Ratio Lower Upper

244 100

212 8.7 7.0 10.6

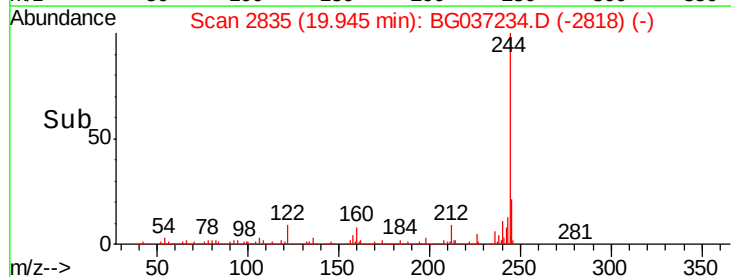
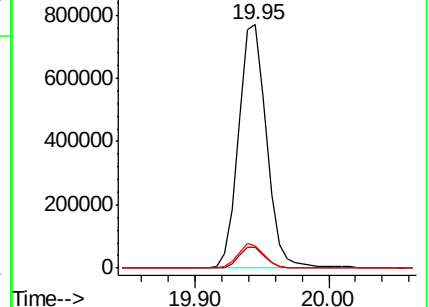
122 9.3 7.1 10.7



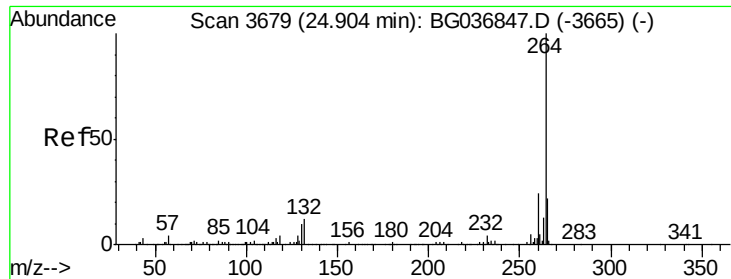
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 24.71 min Scan# 3646  
Delta R.T. -0.01 min  
Lab File: BG037234.D  
Acq: 10 Oct 2018 1:59

Instrument :  
BNA\_G  
ClientSampleId :  
OR-03-100818-A

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 19.6  | 29.4  |
| 265     | 21.7  | 17.4  | 26.0  |

