

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102518\  
 Data File : BG037546.D  
 Acq On : 25 Oct 2018 15:41  
 Operator : JU/SJ  
 Sample : PB114161BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114161BL

Quant Time: Oct 26 08:15:14 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   | 8.11  | 152  | 50215    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.93 | 136  | 224247   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.73 | 164  | 159059   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.48 | 188  | 388962   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.77 | 240  | 356273   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 25.10 | 264  | 322361   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.64  | 112  | 353669   | 117.75 | ng    | 0.00     |
| 7) Phenol-d6                | 7.25  | 99   | 512378   | 112.82 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.28  | 82   | 292139   | 72.98  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.23 | 330  | 175334   | 101.07 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.36 | 172  | 742989   | 70.44  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.08 | 244  | 1185373  | 71.09  | ng    | 0.00     |

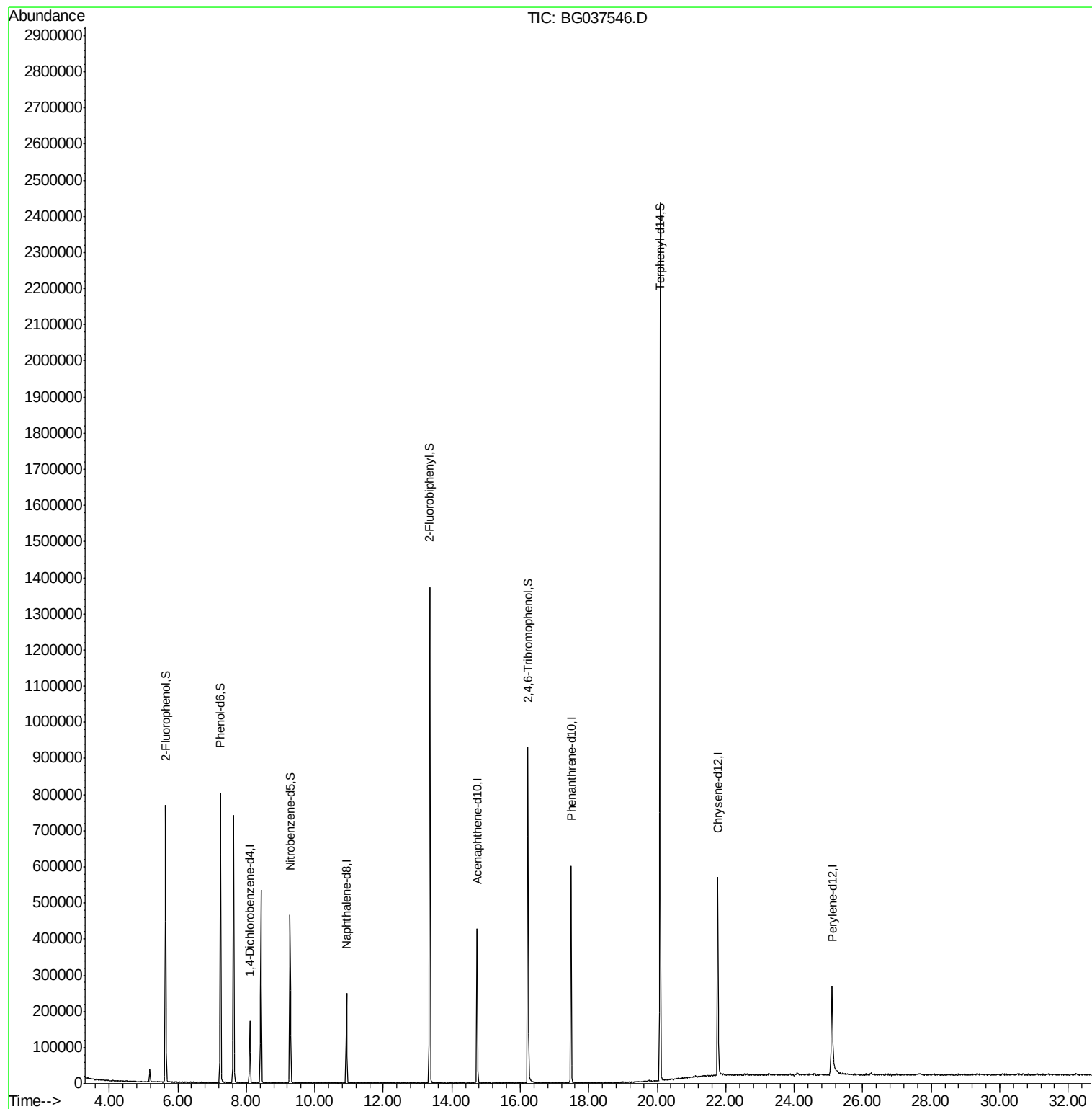
Target Compounds Qvalue

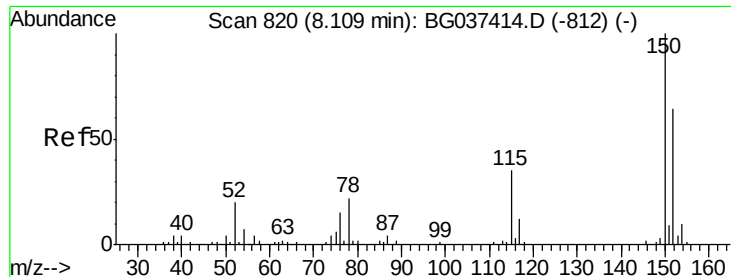
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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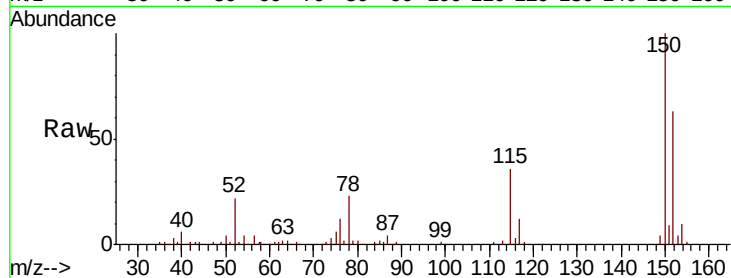


#1

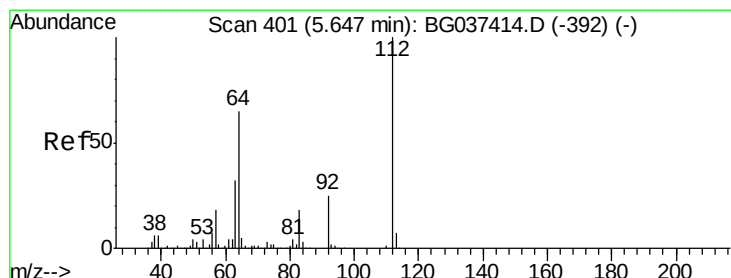
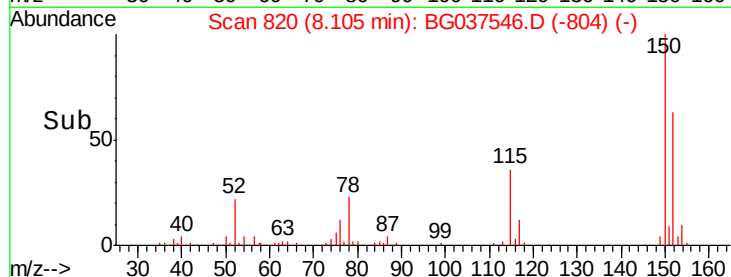
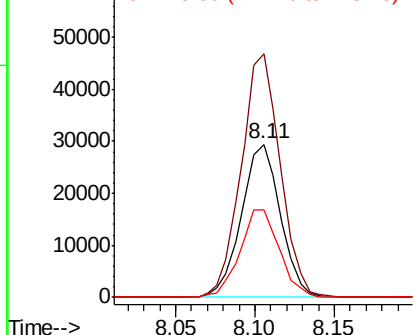
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.11 min Scan# 820  
Delta R.T. -0.00 min  
Lab File: BG037546.D  
Acq: 25 Oct 2018 15:41

Instrument :  
BNA\_G  
ClientSampleId :  
PB114161BL

Tot Ion:152 Resp: 50215  
Ion Ratio Lower Upper  
152 100  
150 159.1 126.0 189.0  
115 57.4 45.5 68.3



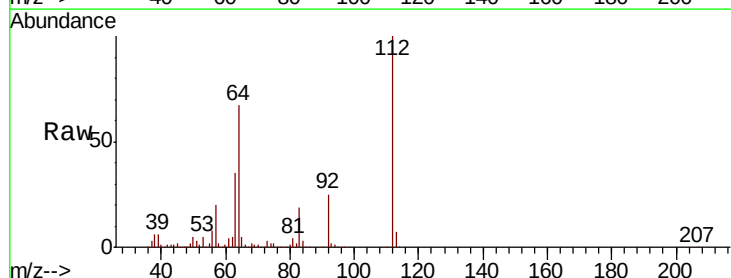
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



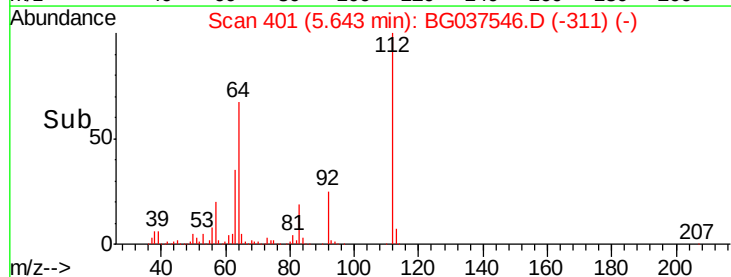
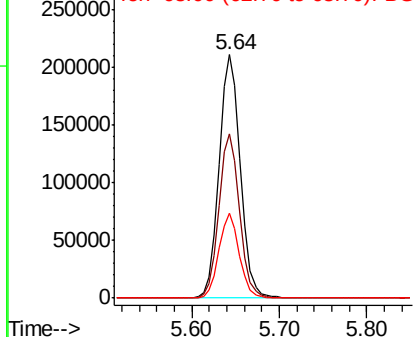
#5

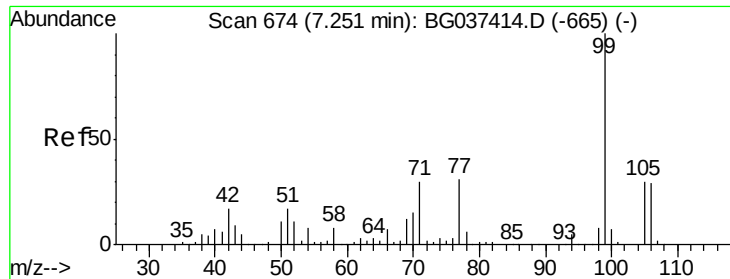
2-Fluorophenol  
Concen: 117.750 ng  
RT: 5.64 min Scan# 401  
Delta R.T. -0.00 min  
Lab File: BG037546.D  
Acq: 25 Oct 2018 15:41

Tgt Ion:112 Resp: 353669  
Ion Ratio Lower Upper  
112 100  
64 67.2 53.1 79.7  
63 34.8 27.3 40.9



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: 112.815 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037546.D

Acq: 25 Oct 2018 15:41

Instrument :

BNA\_G

ClientSampleId :

PB114161BL

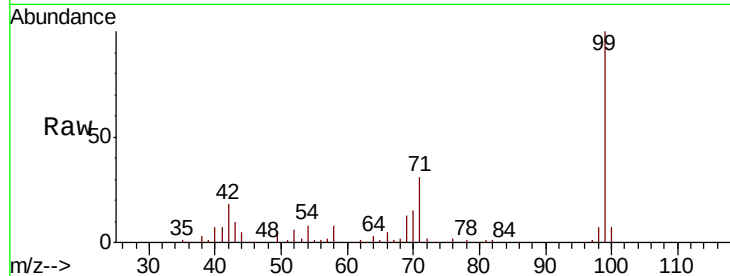
Tot Ion: 99 Resp: 512378

Ion Ratio Lower Upper

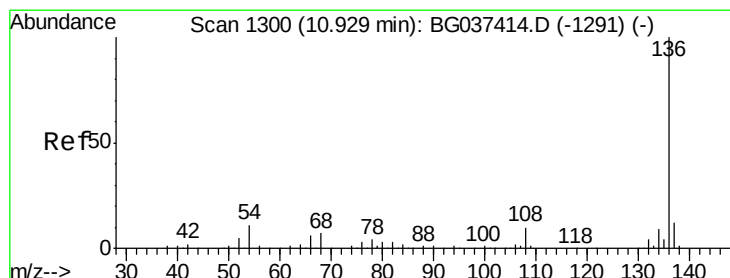
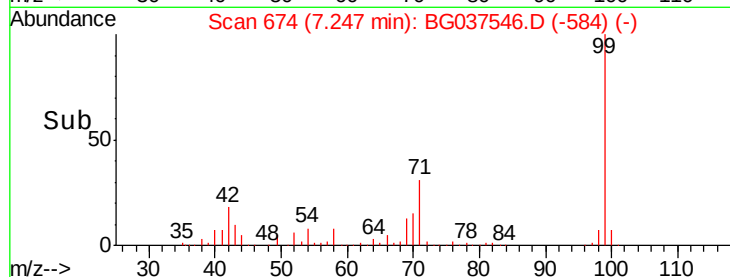
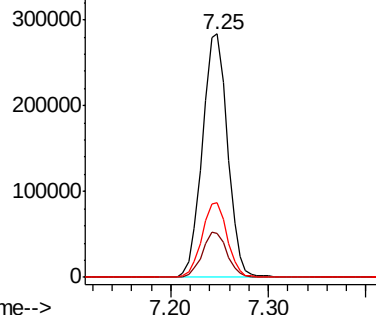
99 100

42 18.1 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.93 min Scan# 1300

Delta R.T. -0.00 min

Lab File: BG037546.D

Acq: 25 Oct 2018 15:41

Tgt Ion: 136 Resp: 224247

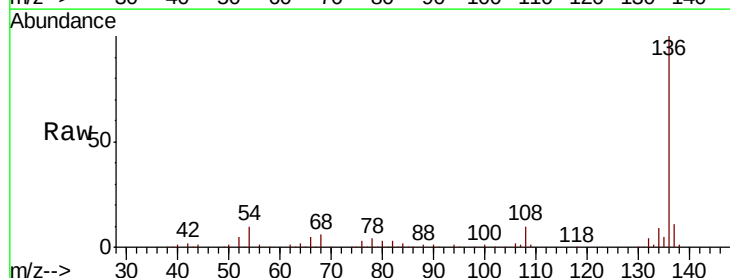
Ion Ratio Lower Upper

136 100

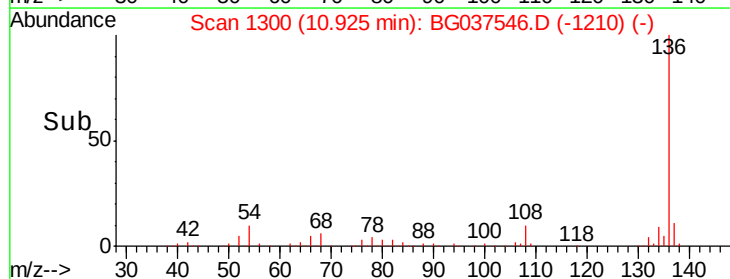
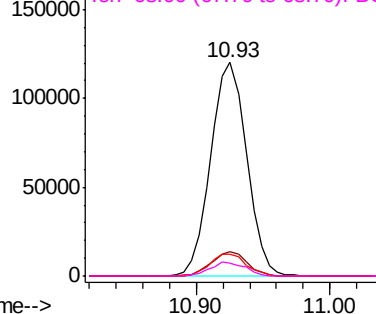
137 11.5 9.6 14.4

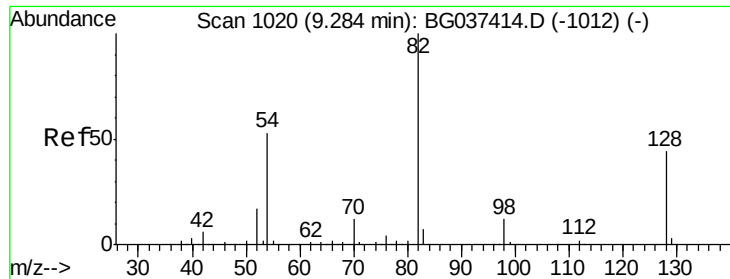
54 10.5 7.9 11.9

68 5.8 4.8 7.2



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

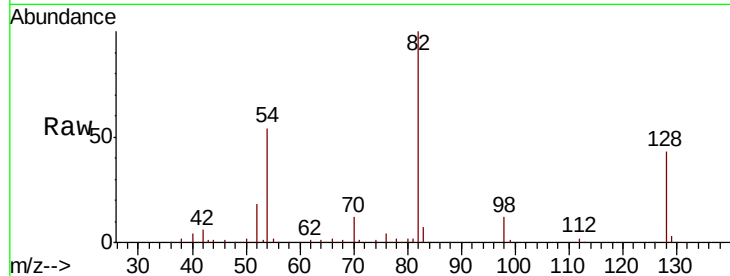




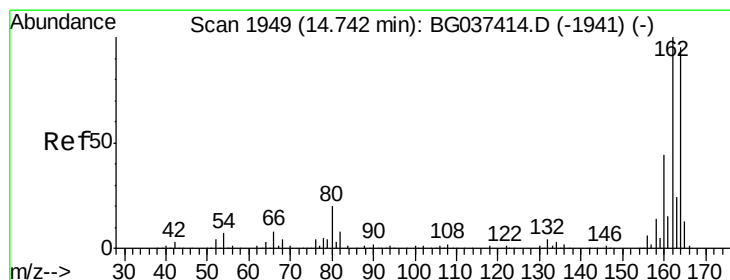
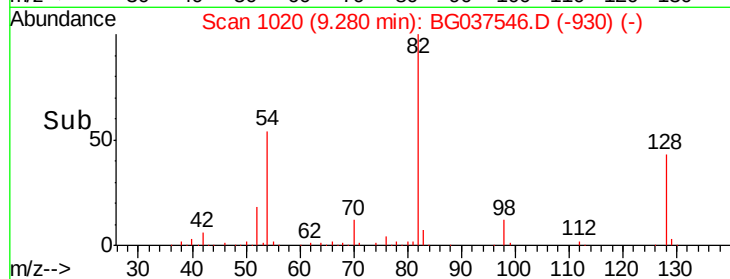
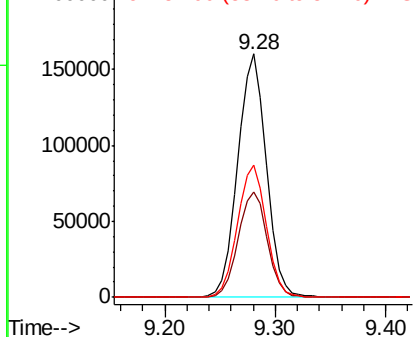
#23  
Nitrobenzene-d5  
Concen: 72.979 ng  
RT: 9.28 min Scan# 1020  
Delta R.T. -0.00 min  
Lab File: BG037546.D  
Acq: 25 Oct 2018 15:41

Instrument :  
BNA\_G  
ClientSampleId :  
PB114161BL

| Tot Ion   | 82.00 | Resp  | 292139 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 43.4  | 34.6  | 51.8   |
| 54        | 54.4  | 45.3  | 67.9   |

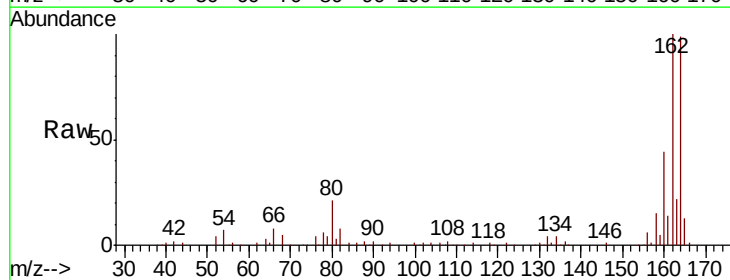


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

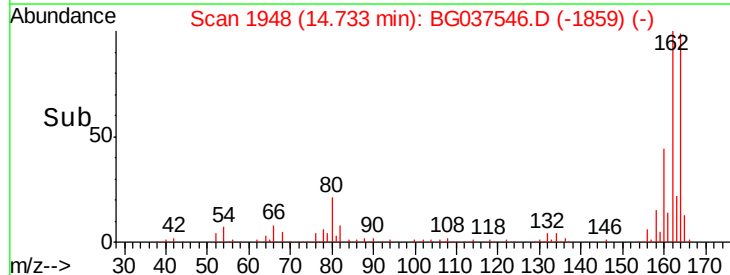
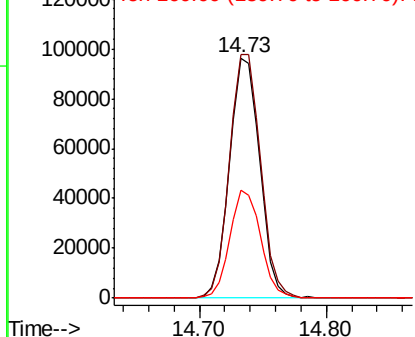


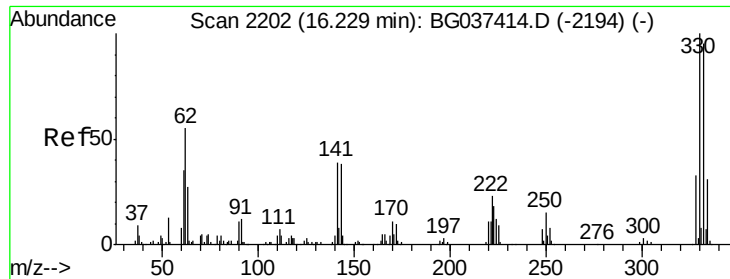
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.73 min Scan# 1948  
Delta R.T. -0.01 min  
Lab File: BG037546.D  
Acq: 25 Oct 2018 15:41

| Tgt Ion   | 164.00 | Resp  | 159059 |
|-----------|--------|-------|--------|
| Ion Ratio | Lower  | Upper |        |
| 164       | 100    |       |        |
| 162       | 101.2  | 81.3  | 121.9  |
| 160       | 44.9   | 36.3  | 54.5   |



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

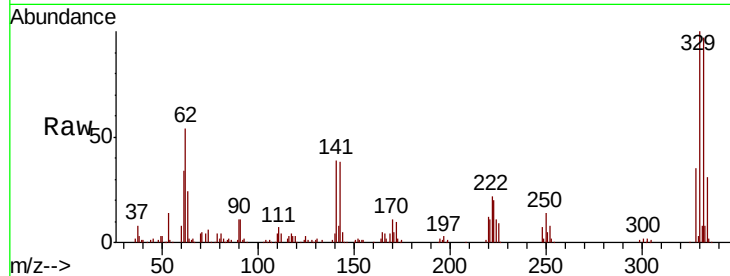




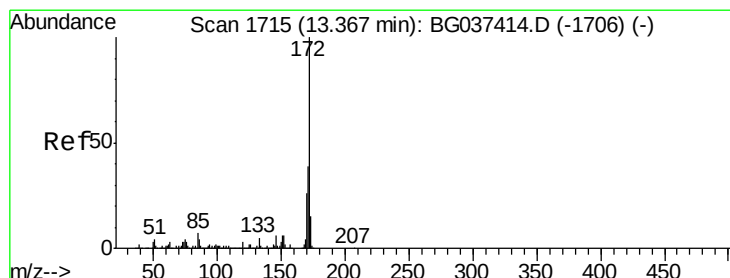
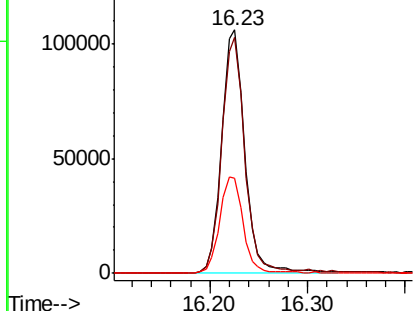
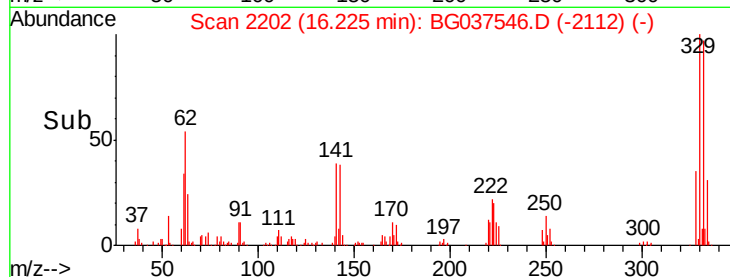
#42  
 2,4,6-Tribromophenol  
 Concen: 101.066 ng  
 RT: 16.23 min Scan# 2202  
 Delta R.T. -0.00 min  
 Lab File: BG037546.D  
 Acq: 25 Oct 2018 15:41

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB114161BL

Tot Ion:330 Resp: 175334  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 78.4 117.6  
 141 40.4 32.2 48.2

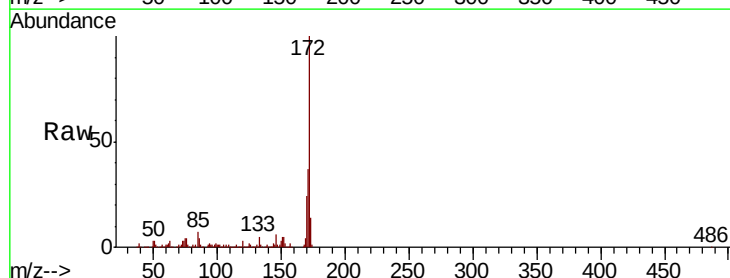


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

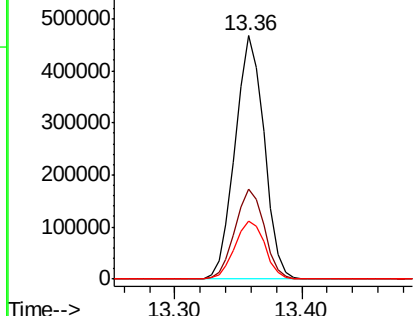
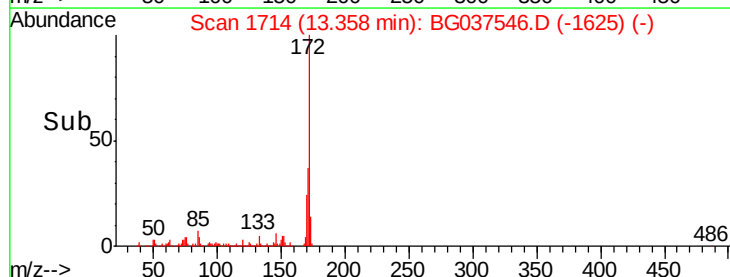


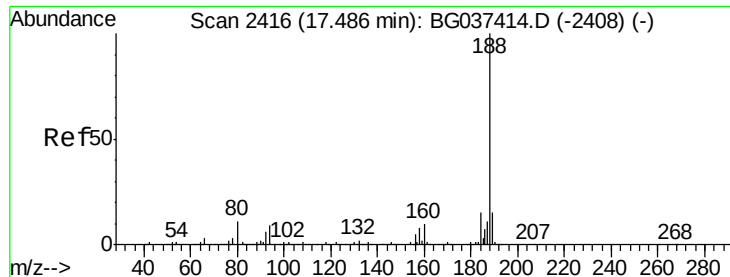
#45  
 2-Fluorobiphenyl  
 Concen: 70.438 ng  
 RT: 13.36 min Scan# 1714  
 Delta R.T. -0.01 min  
 Lab File: BG037546.D  
 Acq: 25 Oct 2018 15:41

Tgt Ion:172 Resp: 742989  
 Ion Ratio Lower Upper  
 172 100  
 171 37.1 31.0 46.4  
 170 24.0 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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG037546.D

Acq: 25 Oct 2018 15:41

Instrument :

BNA\_G

ClientSampleId :

PB114161BL

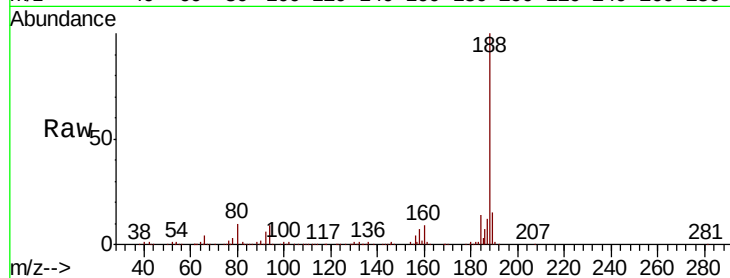
Tot Ion:188 Resp: 388962

Ion Ratio Lower Upper

188 100

94 9.3 7.2 10.8

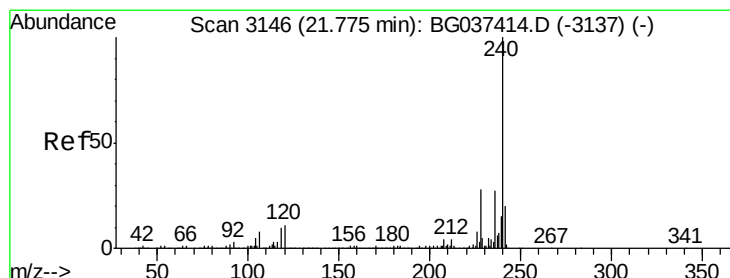
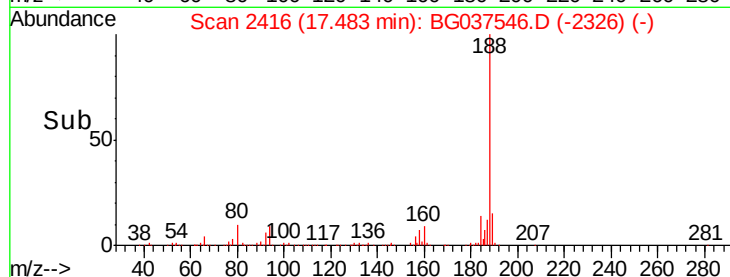
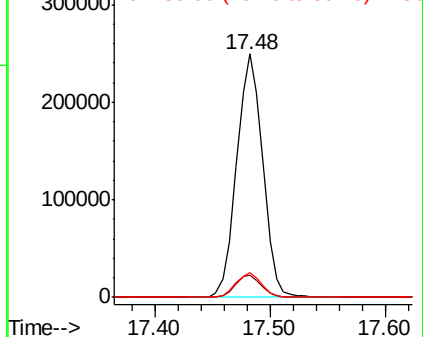
80 10.3 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.77 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BG037546.D

Acq: 25 Oct 2018 15:41

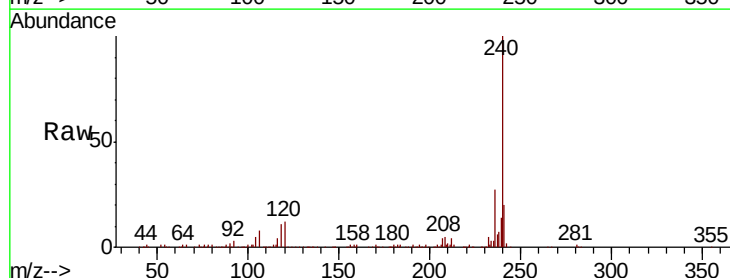
Tgt Ion:240 Resp: 356273

Ion Ratio Lower Upper

240 100

120 11.6 8.1 12.1

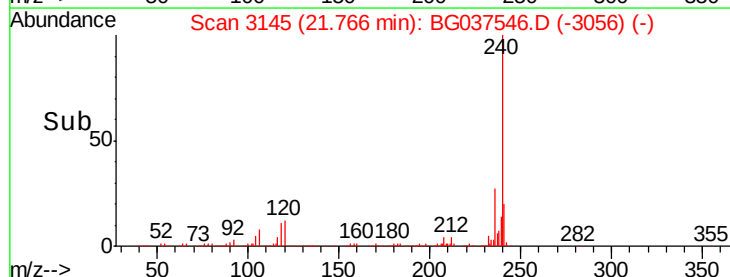
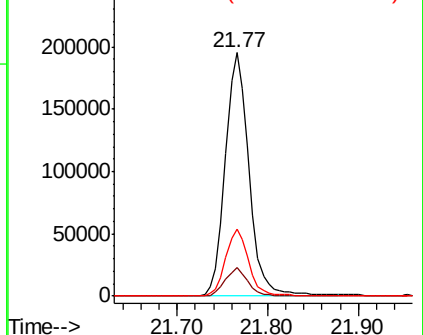
236 27.3 21.4 32.0

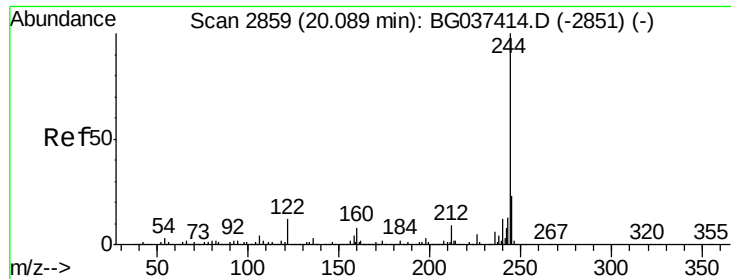


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 71.093 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037546.D

Acq: 25 Oct 2018 15:41

Instrument :

BNA\_G

ClientSampleId :

PB114161BL

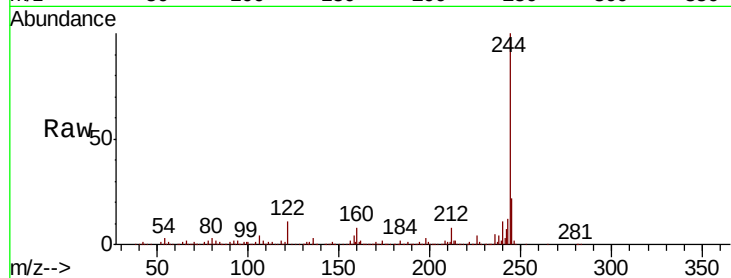
Tot Ion:244 Resp: 1185373

Ion Ratio Lower Upper

244 100

212 8.2 6.5 9.7

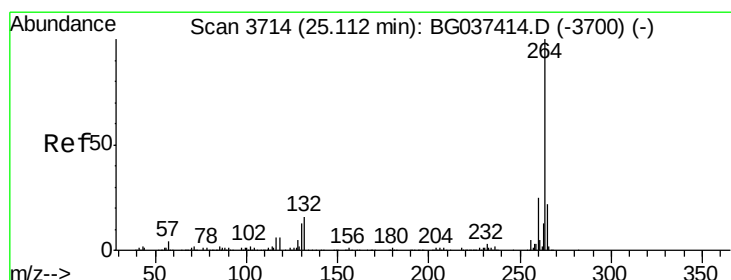
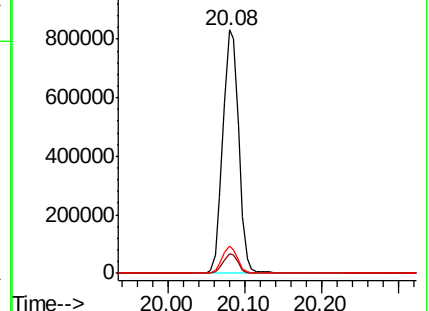
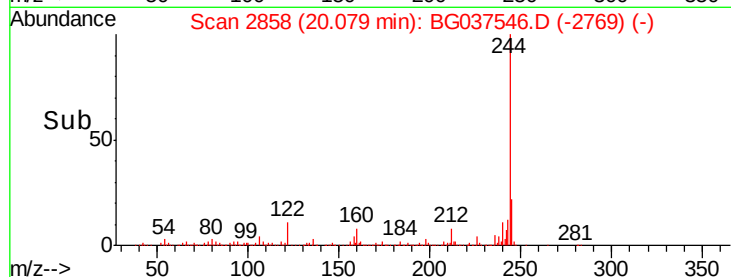
122 11.4 9.0 13.4



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# 3713

Delta R.T. -0.01 min

Lab File: BG037546.D

Acq: 25 Oct 2018 15:41

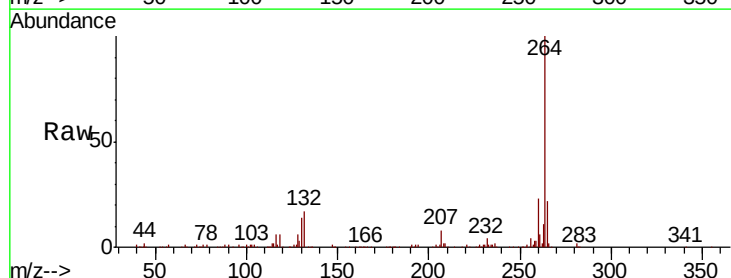
Tgt Ion:264 Resp: 322361

Ion Ratio Lower Upper

264 100

260 22.6 18.2 27.4

265 21.9 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

