

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122018\  
 Data File : BG038766.D  
 Acq On : 20 Dec 2018 17:33  
 Operator : JU/SJ  
 Sample : PB115871BL  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115871BL

Quant Time: Dec 21 00:40:15 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 12 15:26:27 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.05  | 152  | 20373    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.87 | 136  | 83920    | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.69 | 164  | 58947    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.44 | 188  | 153995   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.72 | 240  | 159792   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 25.02 | 264  | 162894   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.61  | 112  | 171507   | 149.31 | ng    | 0.00     |
| 7) Phenol-d6                | 7.21  | 99   | 235224   | 149.17 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.23  | 82   | 140672   | 85.64  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.18 | 330  | 117723   | 144.91 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.31 | 172  | 379801   | 88.39  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.04 | 244  | 750319   | 102.19 | ng    | 0.00     |

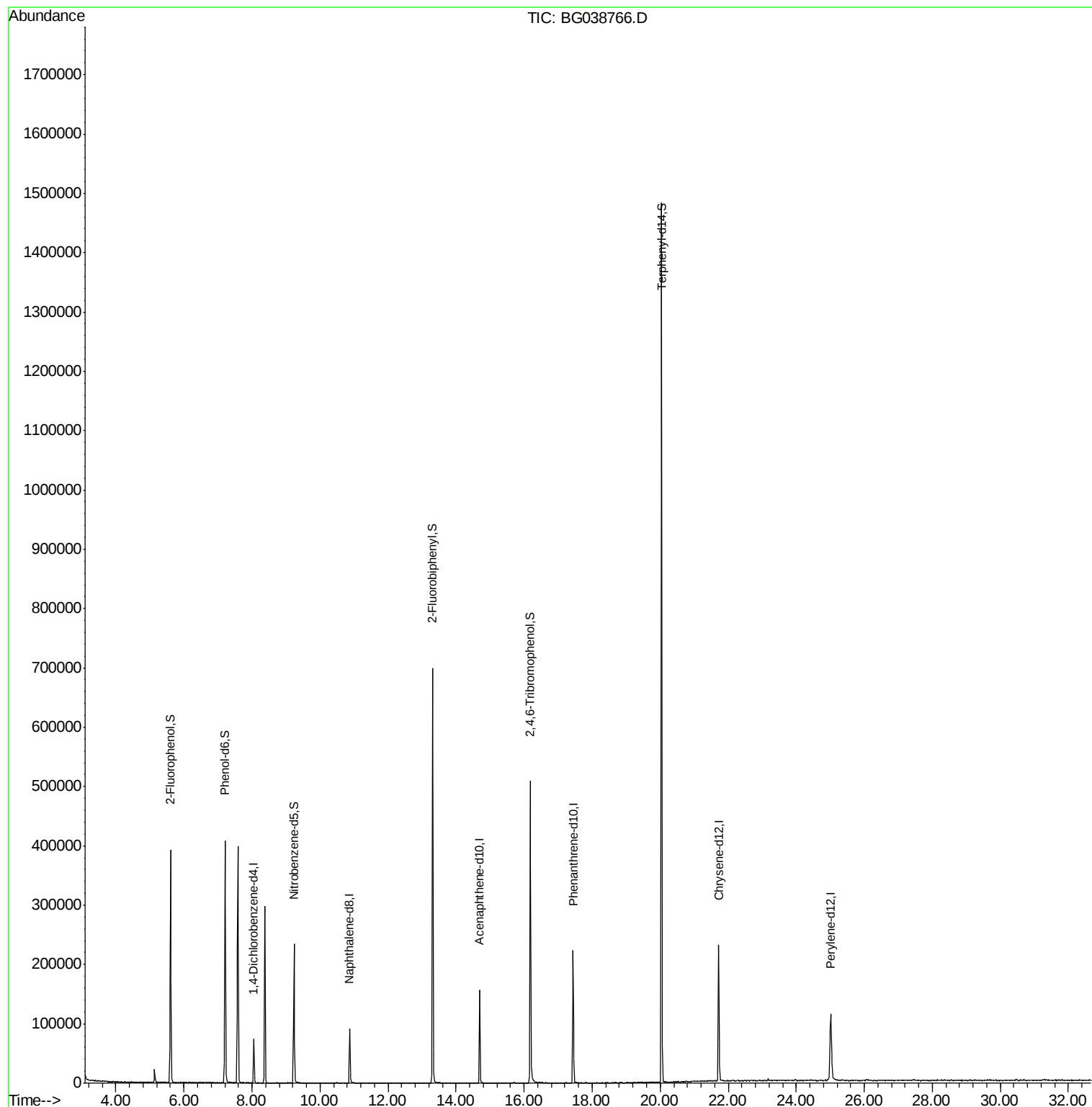
Target Compounds Qvalue

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

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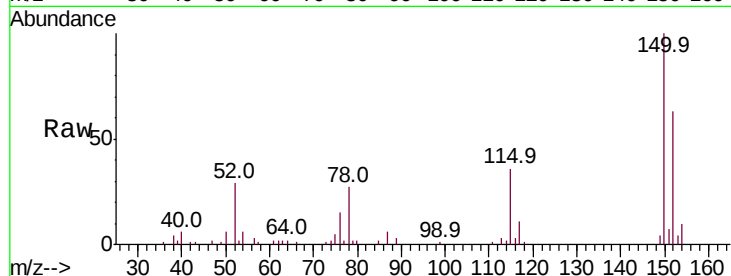


#1

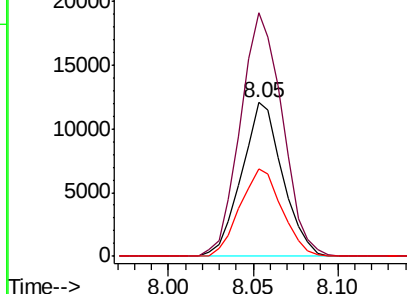
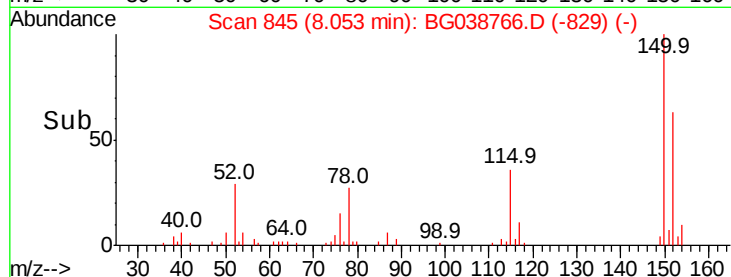
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.05 min Scan# 845  
Delta R.T. -0.01 min  
Lab File: BG038766.D  
Acq: 20 Dec 2018 17:33

Instrument :  
BNA\_G  
ClientSampleId :  
PB115871BL

Tot Ion:152 Resp: 20373  
Ion Ratio Lower Upper  
152 100  
150 158.5 119.5 179.3  
115 57.2 49.6 74.4



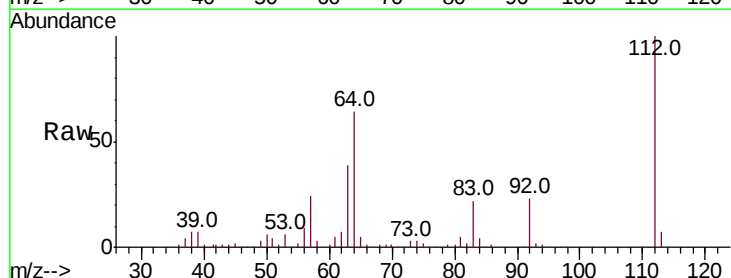
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



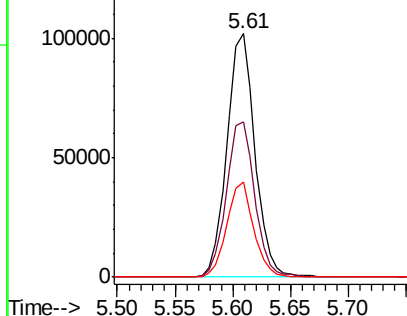
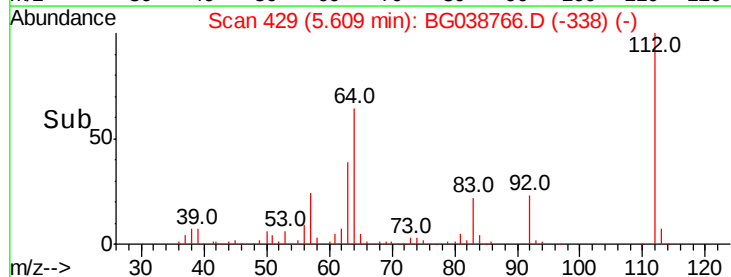
#5

2-Fluorophenol  
Concen: 149.312 ng  
RT: 5.61 min Scan# 429  
Delta R.T. 0.01 min  
Lab File: BG038766.D  
Acq: 20 Dec 2018 17:33

Tgt Ion:112 Resp: 171507  
Ion Ratio Lower Upper  
112 100  
64 63.7 53.4 80.2  
63 39.0 29.3 43.9



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: 149.171 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038766.D

Acq: 20 Dec 2018 17:33

Instrument :

BNA\_G

ClientSampleId :

PB115871BL

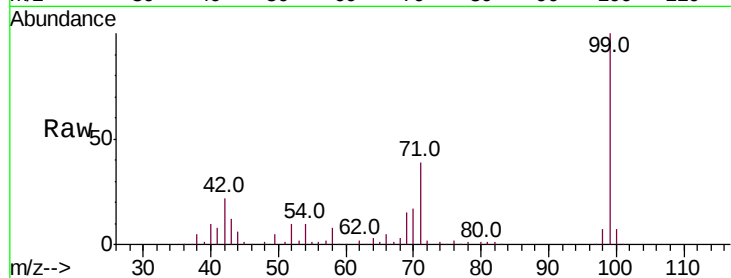
Tot Ion: 99 Resp: 235224

Ion Ratio Lower Upper

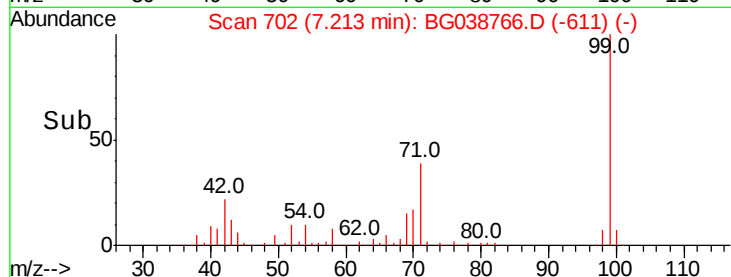
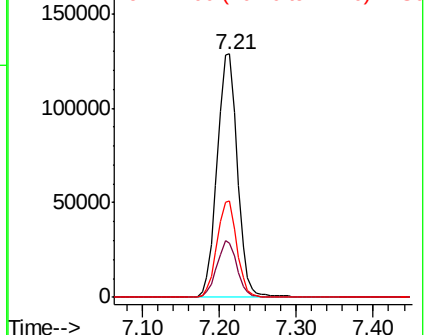
99 100

42 22.0 18.5 27.7

71 39.5 31.1 46.7



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: 10.87 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BG038766.D

Acq: 20 Dec 2018 17:33

Tgt Ion: 136 Resp: 83920

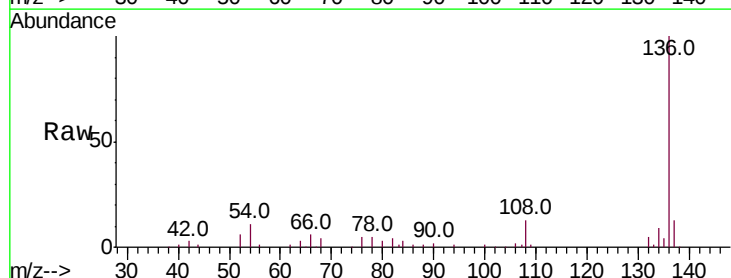
Ion Ratio Lower Upper

136 100

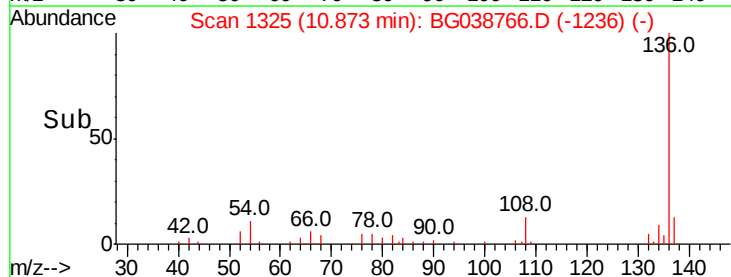
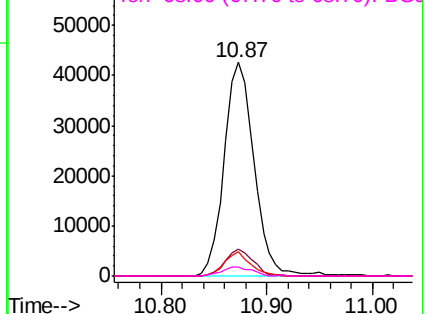
137 12.8 9.3 13.9

54 11.1 8.5 12.7

68 4.4 3.5 5.3



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

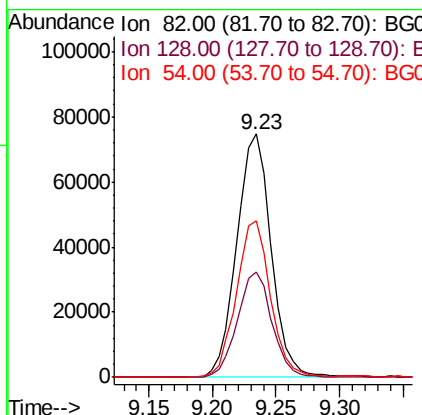
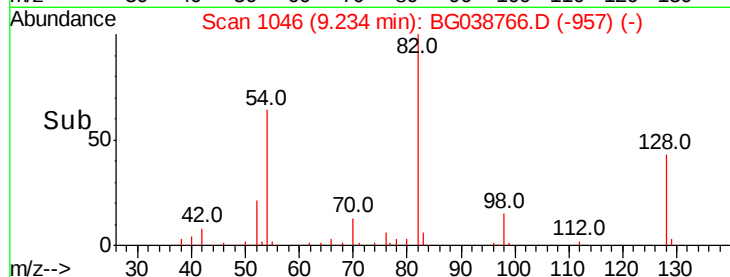
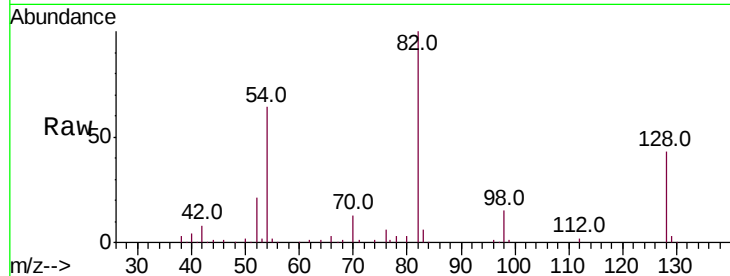




#23  
 Nitrobenzene-d5  
 Concen: 85.635 ng  
 RT: 9.23 min Scan# 1046  
 Delta R.T. -0.01 min  
 Lab File: BG038766.D  
 Acq: 20 Dec 2018 17:33

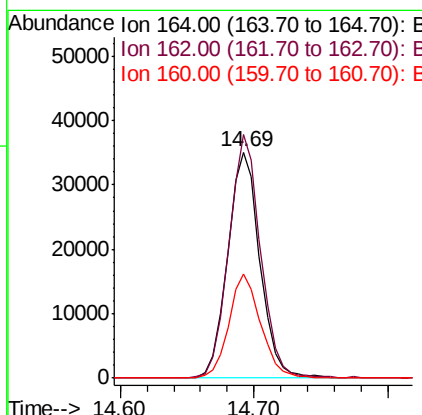
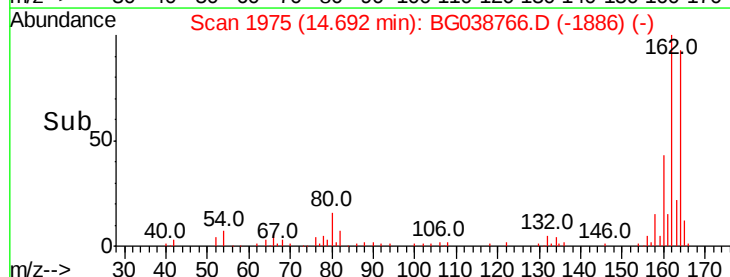
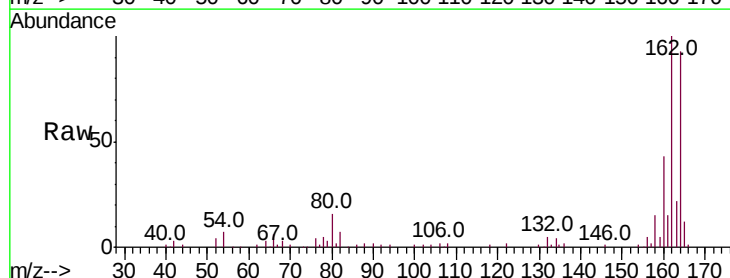
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115871BL

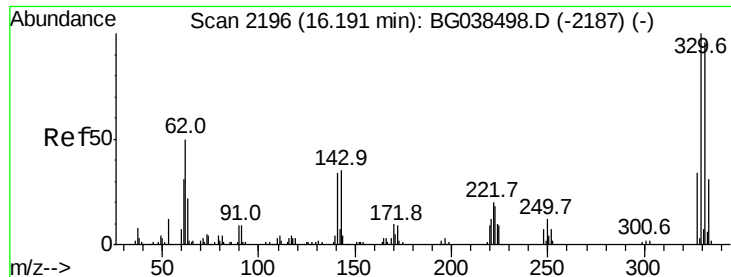
Tot Ion: 82 Resp: 140672  
 Ion Ratio Lower Upper  
 82 100  
 128 43.2 34.6 52.0  
 54 64.4 50.6 76.0



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.69 min Scan# 1975  
 Delta R.T. -0.01 min  
 Lab File: BG038766.D  
 Acq: 20 Dec 2018 17:33

Tgt Ion:164 Resp: 58947  
 Ion Ratio Lower Upper  
 164 100  
 162 107.6 86.6 130.0  
 160 45.9 34.2 51.2

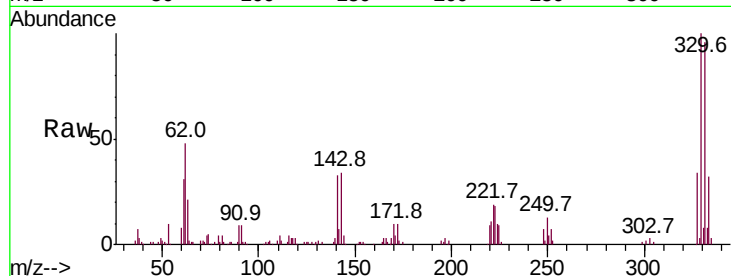




#42  
 2,4,6-Tribromophenol  
 Concen: 144.908 ng  
 RT: 16.18 min Scan# 2229  
 Delta R.T. -0.01 min  
 Lab File: BG038766.D  
 Acq: 20 Dec 2018 17:33

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115871BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.4  | 76.9  | 115.3 |
| 141     | 32.9  | 28.8  | 43.2  |

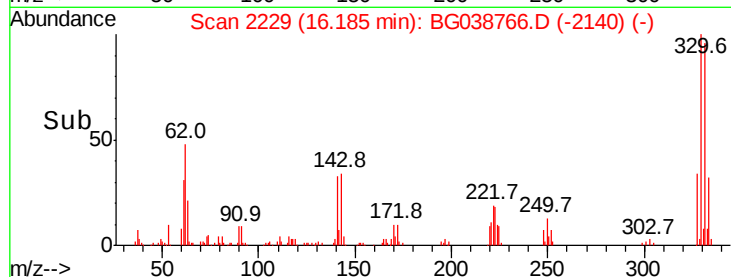
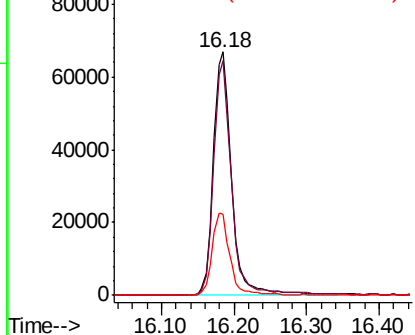


Abundance

Ion 329.80 (329.50 to 330.50): E

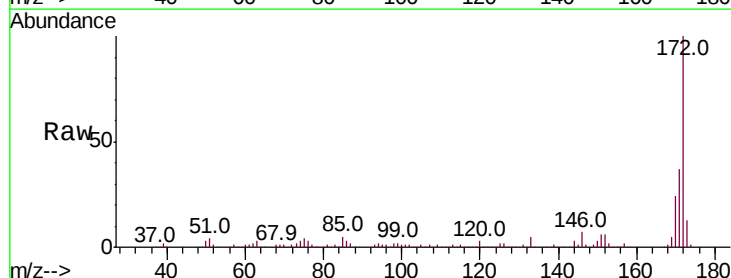
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 88.389 ng  
 RT: 13.31 min Scan# 1740  
 Delta R.T. -0.01 min  
 Lab File: BG038766.D  
 Acq: 20 Dec 2018 17:33

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.5  | 29.8  | 44.6  |
| 170     | 24.3  | 19.5  | 29.3  |

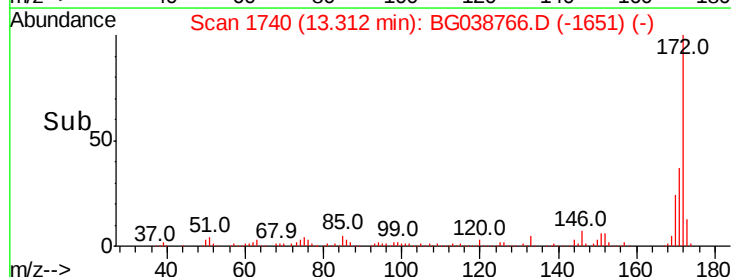
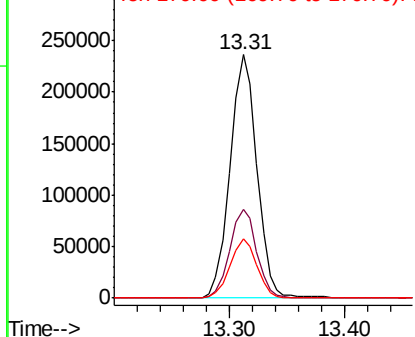


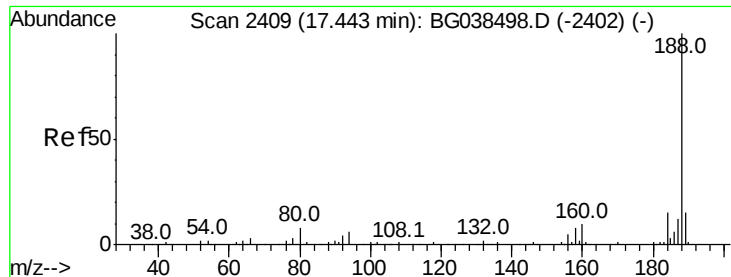
Abundance

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

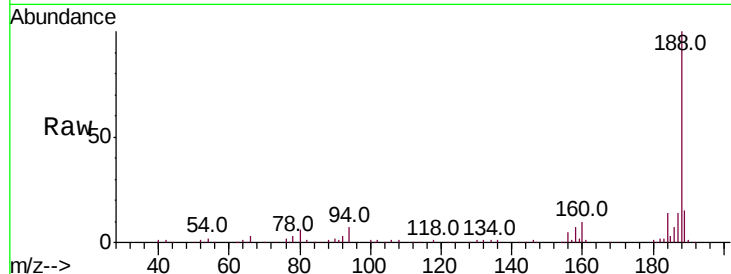




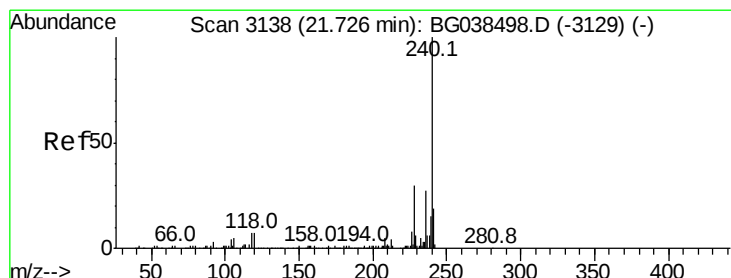
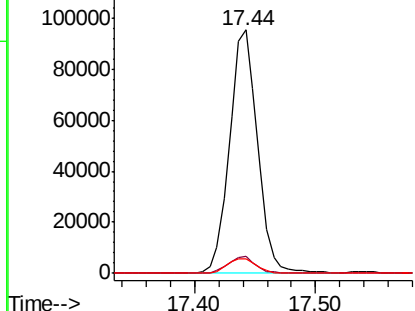
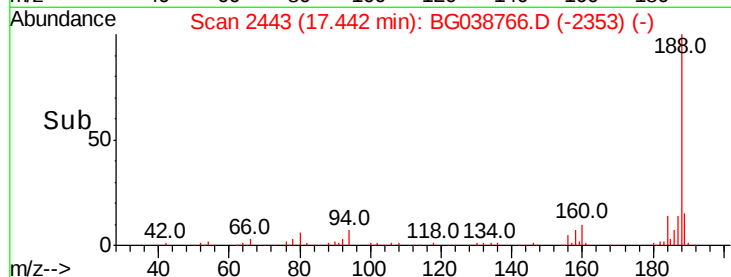
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.44 min Scan# 2443  
 Delta R.T. -0.00 min  
 Lab File: BG038766.D  
 Acq: 20 Dec 2018 17:33

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115871BL

Tot Ion:188 Resp: 153995  
 Ion Ratio Lower Upper  
 188 100  
 94 6.9 5.1 7.7  
 80 5.9 6.1 9.1#

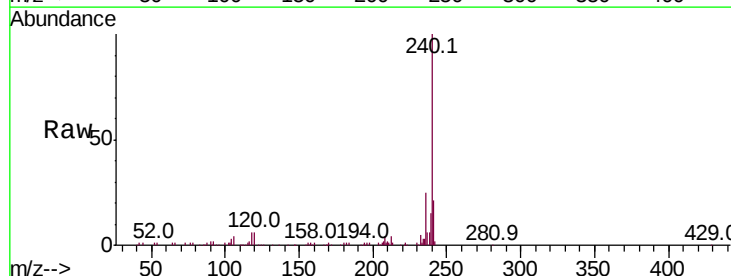


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BG  
 Ion 80.00 (79.70 to 80.70): BG

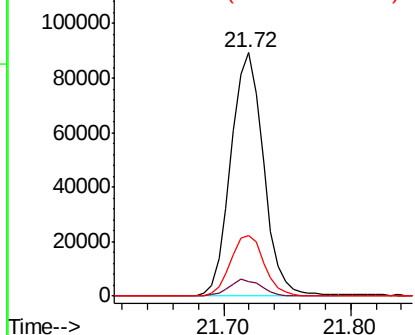
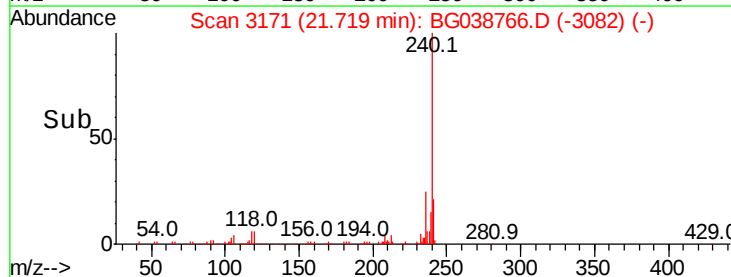


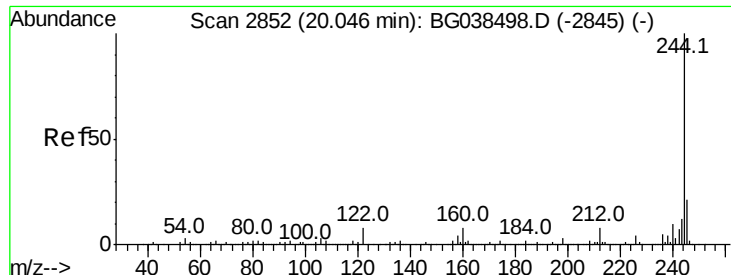
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.72 min Scan# 3171  
 Delta R.T. -0.01 min  
 Lab File: BG038766.D  
 Acq: 20 Dec 2018 17:33

Tgt Ion:240 Resp: 159792  
 Ion Ratio Lower Upper  
 240 100  
 120 6.2 5.3 7.9  
 236 25.1 21.4 32.2



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: 102.192 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG038766.D

Acq: 20 Dec 2018 17:33

Instrument :

BNA\_G

ClientSampleId :

PB115871BL

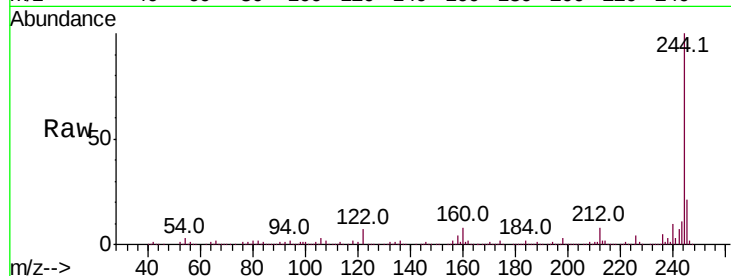
Tot Ion:244 Resp: 750319

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

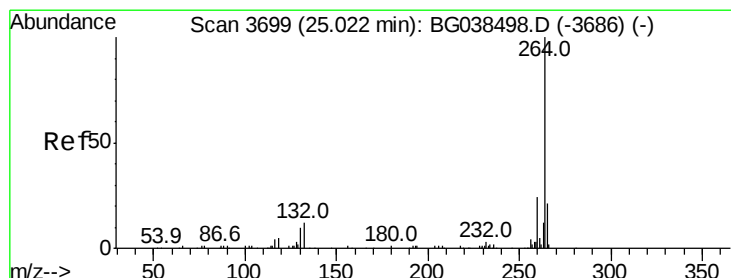
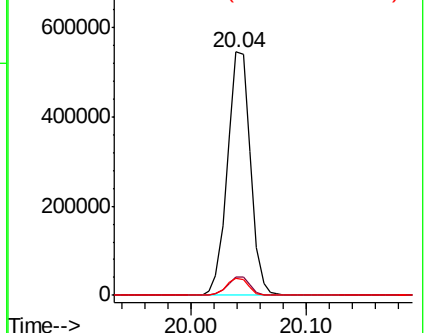
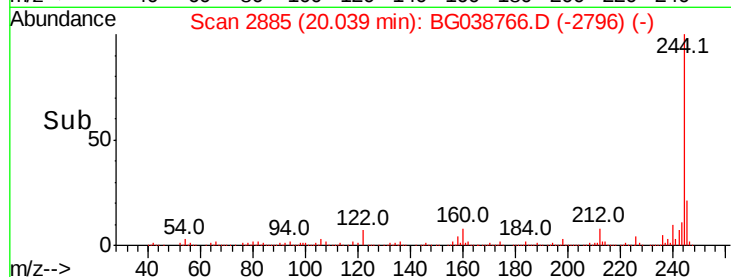
122 7.2 6.3 9.5



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: 25.02 min Scan# 3732

Delta R.T. -0.01 min

Lab File: BG038766.D

Acq: 20 Dec 2018 17:33

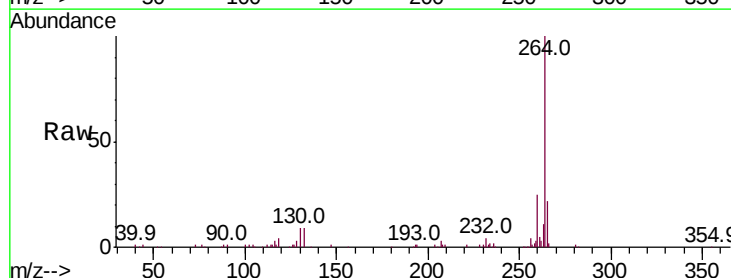
Tgt Ion:264 Resp: 162894

Ion Ratio Lower Upper

264 100

260 24.6 18.9 28.3

265 21.9 17.0 25.4



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

