

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121918\  
 Data File : BG038733.D  
 Acq On : 19 Dec 2018 19:05  
 Operator : JU/SJ  
 Sample : PB115792BL  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115792BL

Quant Time: Dec 20 00:28:21 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   | 8.06  | 152  | 24870    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.87 | 136  | 96574    | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.69 | 164  | 66155    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.44 | 188  | 171382   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.72 | 240  | 181067   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 25.01 | 264  | 185325   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.61  | 112  | 131328   | 93.66 | ng    | 0.00     |
| 7) Phenol-d6                | 7.21  | 99   | 177207   | 92.06 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.23  | 82   | 107356   | 56.79 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.18 | 330  | 81922    | 89.85 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.31 | 172  | 286339   | 59.38 | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.04 | 244  | 560310   | 67.35 | ng    | 0.00     |

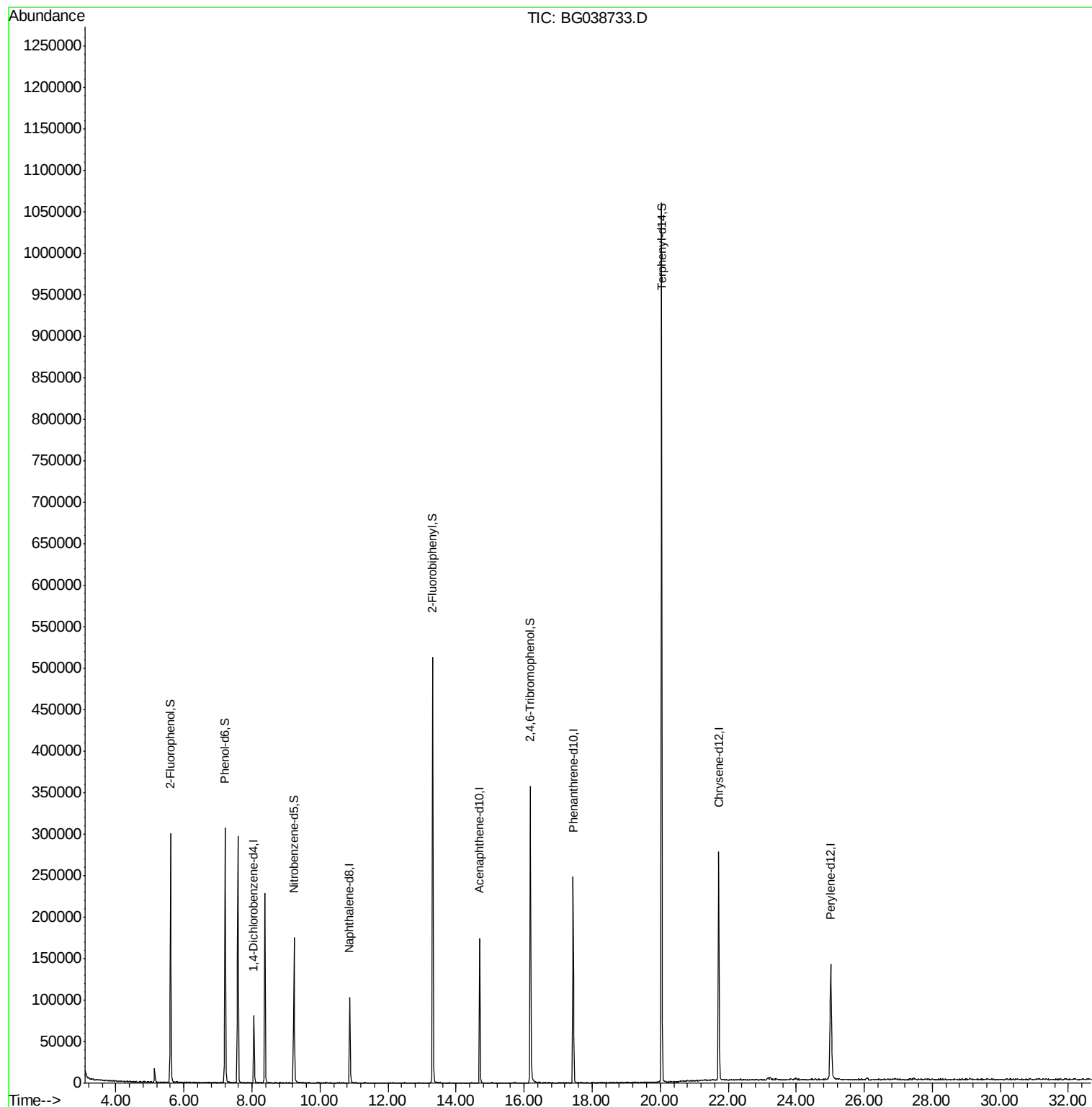
Target Compounds Qvalue

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

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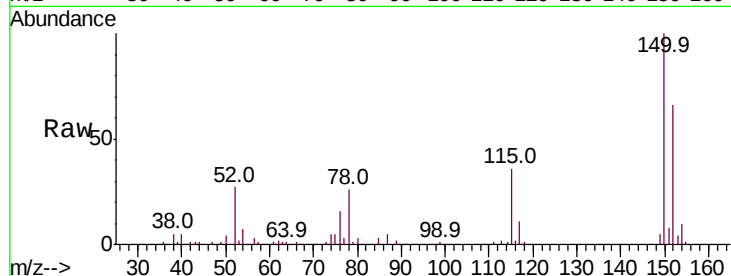


#1

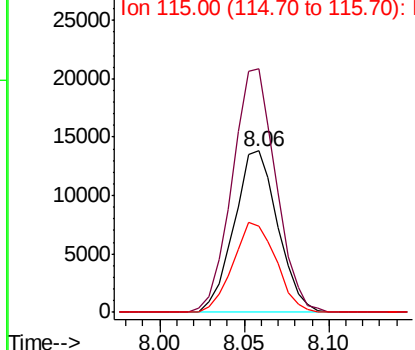
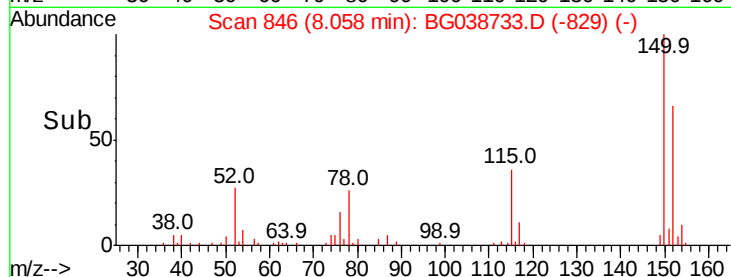
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.06 min Scan# 846  
Delta R.T. -0.00 min  
Lab File: BG038733.D  
Acq: 19 Dec 2018 19:05

Instrument :  
BNA\_G  
ClientSampled :  
PB115792BL

Tot Ion:152 Resp: 24870  
Ion Ratio Lower Upper  
152 100  
150 151.1 119.5 179.3  
115 53.8 49.6 74.4



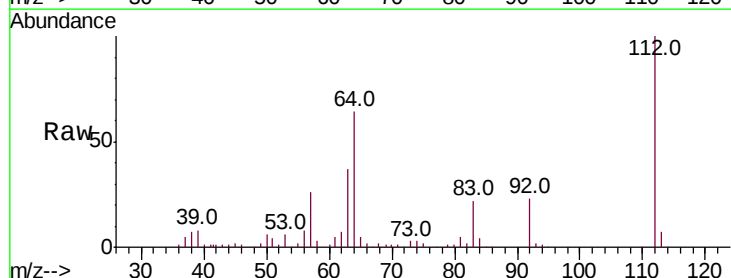
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



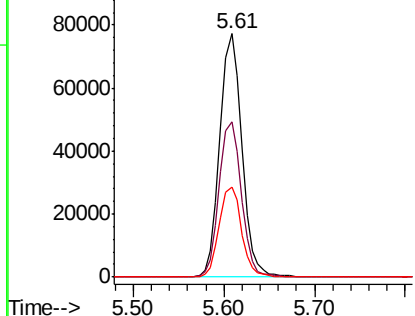
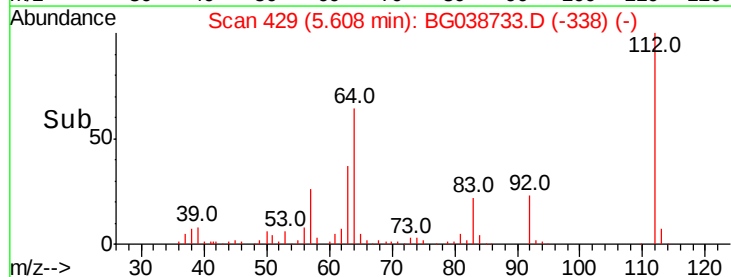
#5

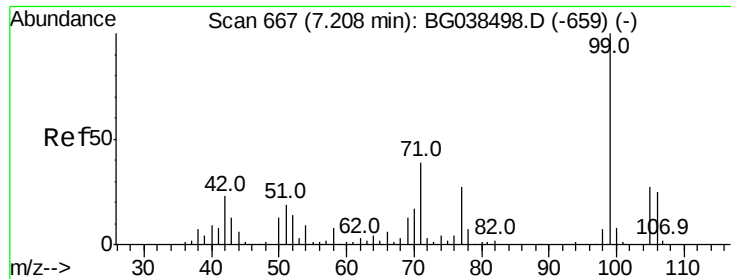
2-Fluorophenol  
Concen: 93.659 ng  
RT: 5.61 min Scan# 429  
Delta R.T. 0.01 min  
Lab File: BG038733.D  
Acq: 19 Dec 2018 19:05

Tgt Ion:112 Resp: 131328  
Ion Ratio Lower Upper  
112 100  
64 64.0 53.4 80.2  
63 37.2 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: 92.059 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038733.D

Acq: 19 Dec 2018 19:05

Instrument :

BNA\_G

ClientSampleId :

PB115792BL

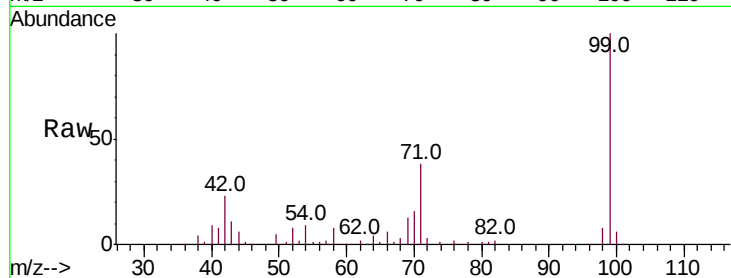
Tot Ion: 99 Resp: 177207

Ion Ratio Lower Upper

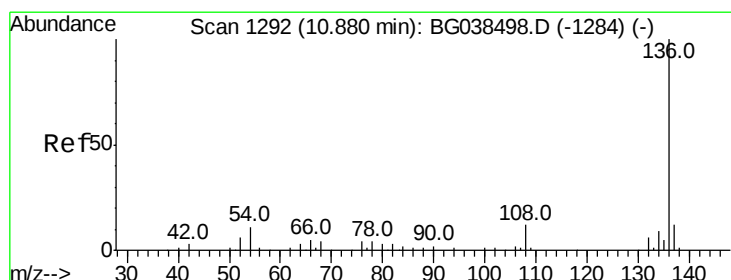
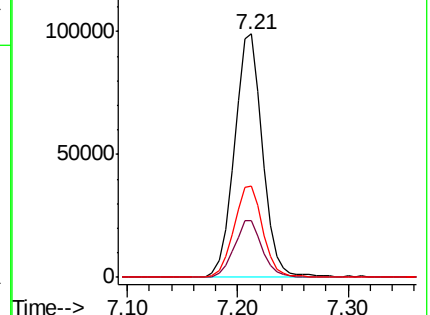
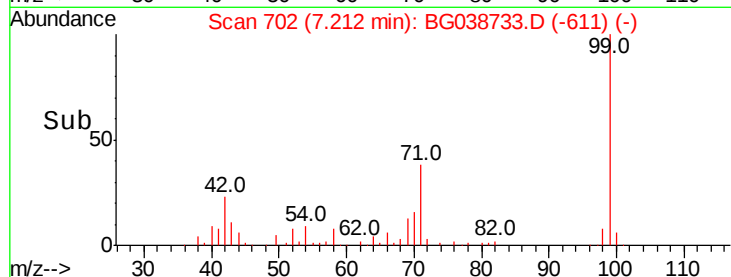
99 100

42 23.2 18.5 27.7

71 37.6 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: BG038733.D

Acq: 19 Dec 2018 19:05

Tgt Ion: 136 Resp: 96574

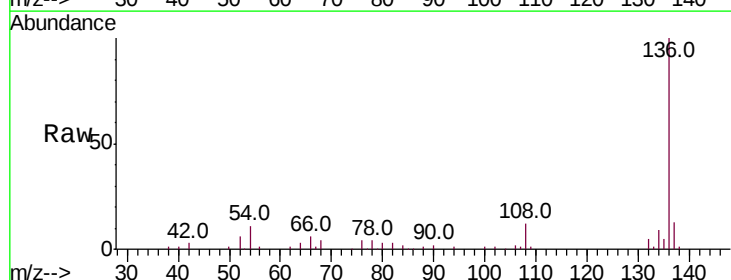
Ion Ratio Lower Upper

136 100

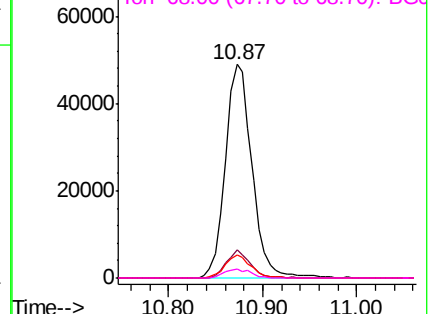
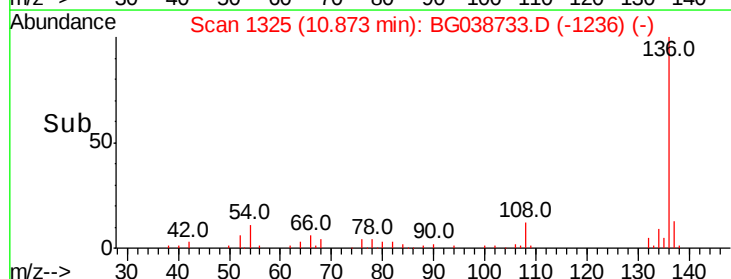
137 13.2 9.3 13.9

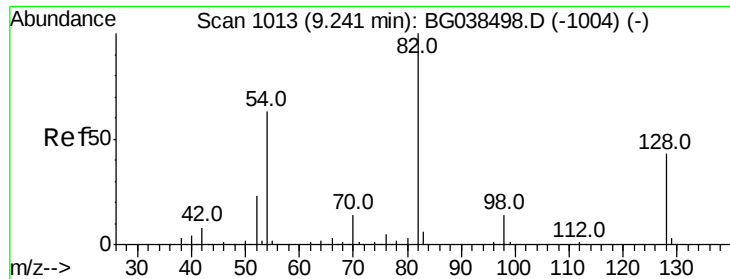
54 11.1 8.5 12.7

68 4.1 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: 56.791 ng

RT: 9.23 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BG038733.D

Acq: 19 Dec 2018 19:05

Instrument :

BNA\_G

ClientSampleId :

PB115792BL

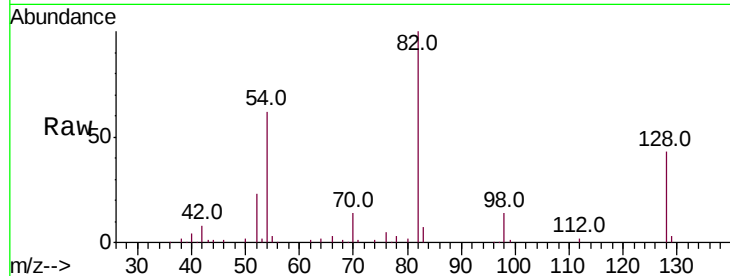
Tot Ion: 82 Resp: 107356

Ion Ratio Lower Upper

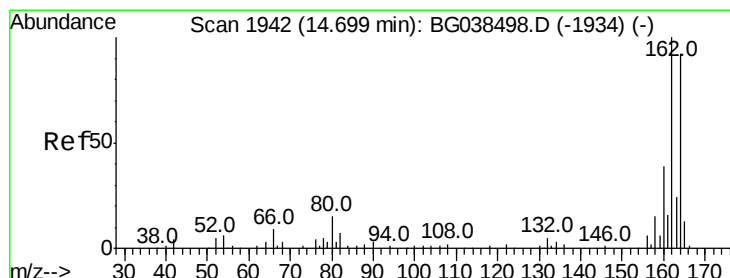
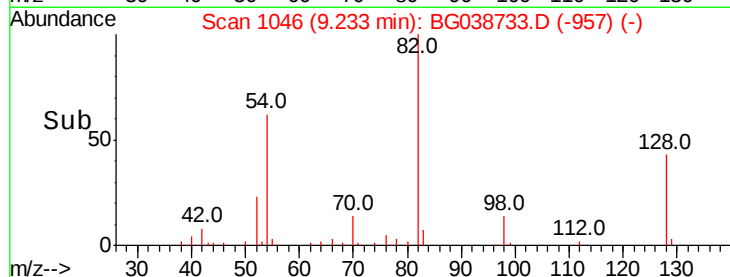
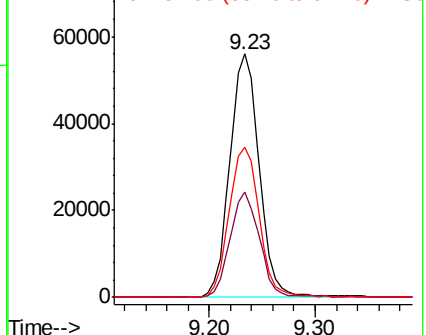
82 100

128 43.2 34.6 52.0

54 61.7 50.6 76.0



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: 14.69 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG038733.D

Acq: 19 Dec 2018 19:05

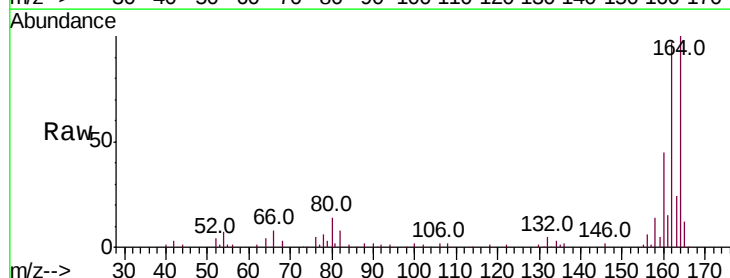
Tgt Ion: 164 Resp: 66155

Ion Ratio Lower Upper

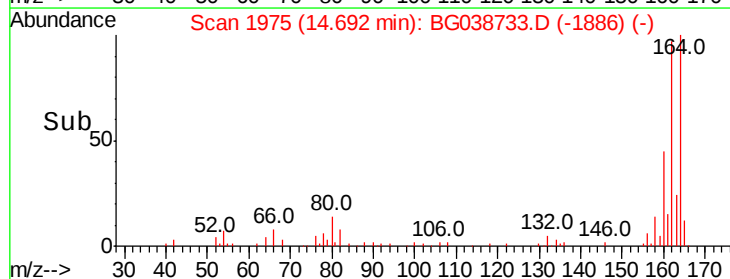
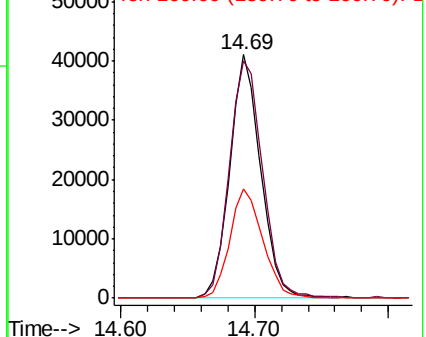
164 100

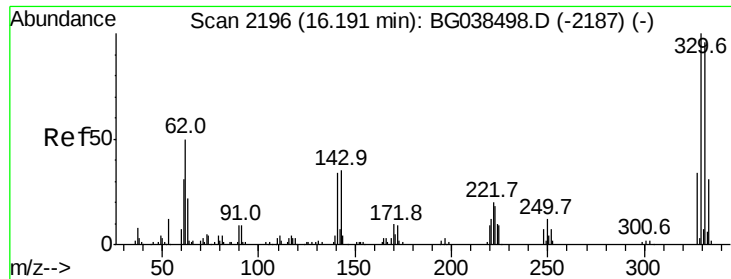
162 97.4 86.6 130.0

160 44.8 34.2 51.2



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

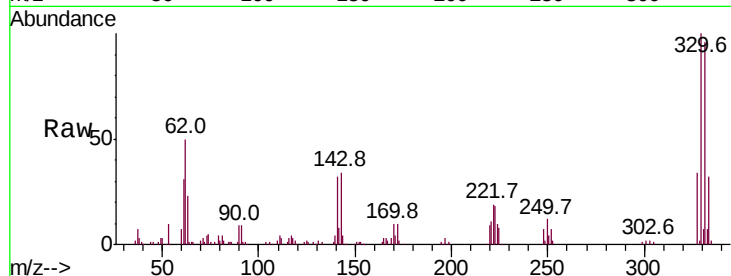




#42  
 2,4,6-Tribromophenol  
 Concen: 89.853 ng  
 RT: 16.18 min Scan# 2229  
 Delta R.T. -0.01 min  
 Lab File: BG038733.D  
 Acq: 19 Dec 2018 19:05

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115792BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.6  | 76.9  | 115.3 |
| 141     | 33.1  | 28.8  | 43.2  |

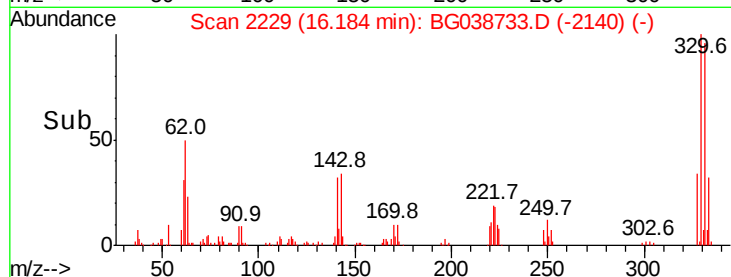
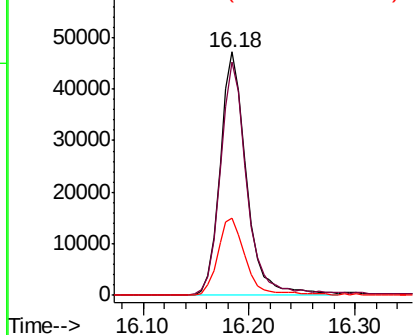


Abundance

Ion 329.80 (329.50 to 330.50): E

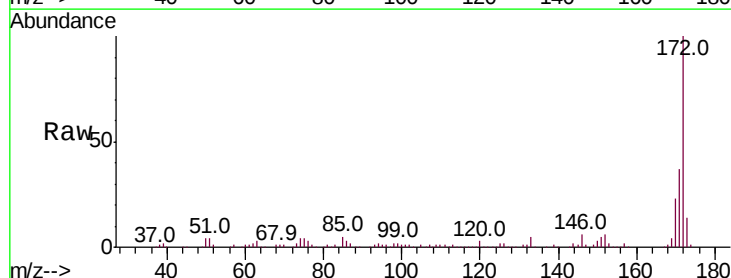
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 59.378 ng  
 RT: 13.31 min Scan# 1740  
 Delta R.T. -0.01 min  
 Lab File: BG038733.D  
 Acq: 19 Dec 2018 19:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.5  | 29.8  | 44.6  |
| 170     | 22.9  | 19.5  | 29.3  |

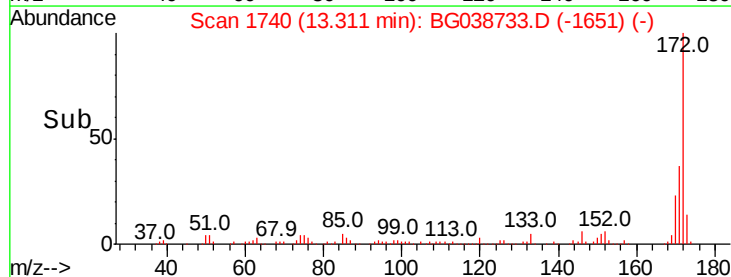
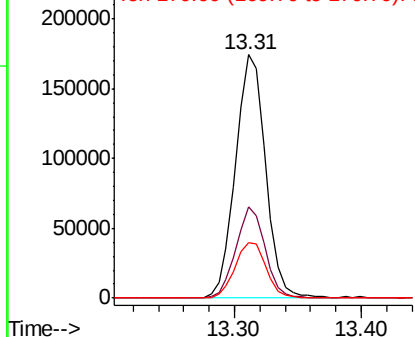


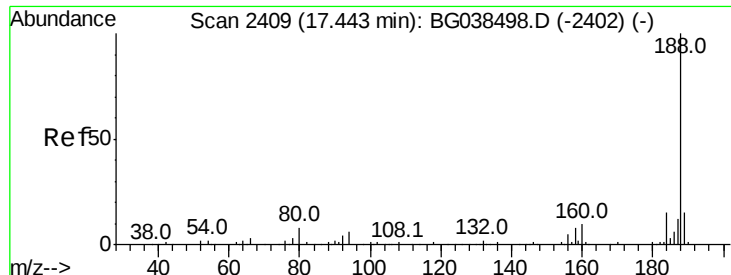
Abundance

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

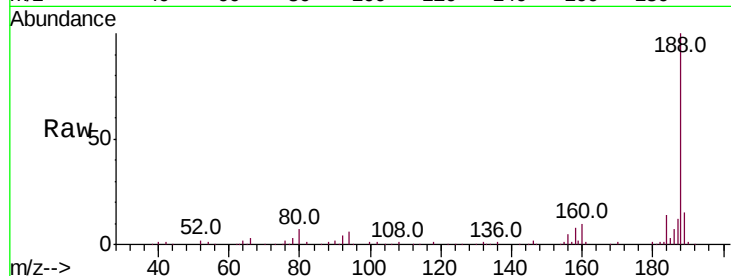




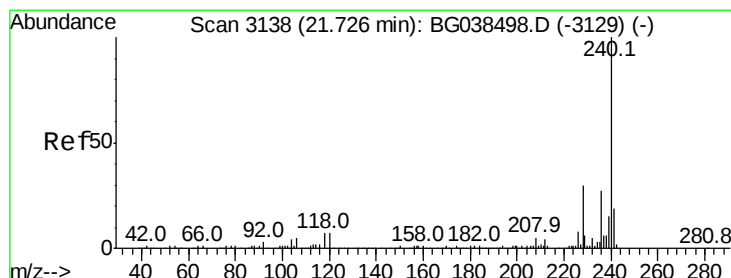
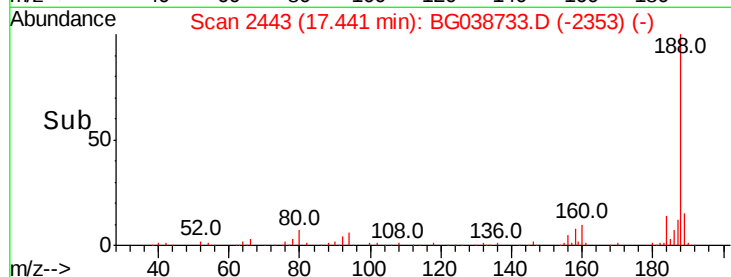
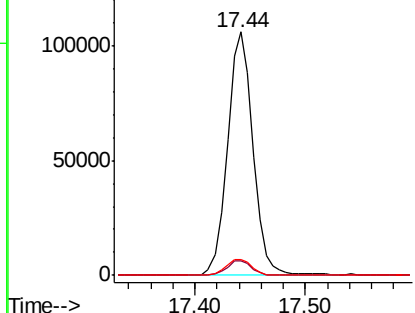
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.44 min Scan# 2443  
 Delta R.T. -0.00 min  
 Lab File: BG038733.D  
 Acq: 19 Dec 2018 19:05

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115792BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 6.1   | 5.1   | 7.7   |
| 80      | 6.7   | 6.1   | 9.1   |

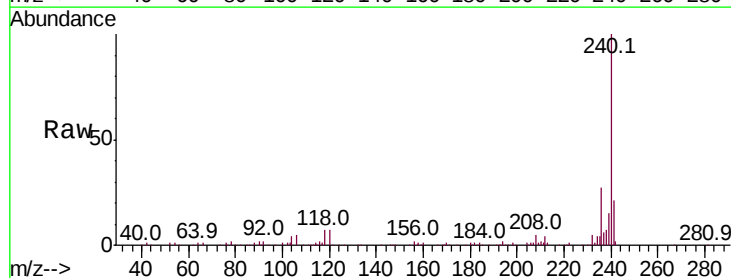


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BG  
 Ion 80.00 (79.70 to 80.70): BG

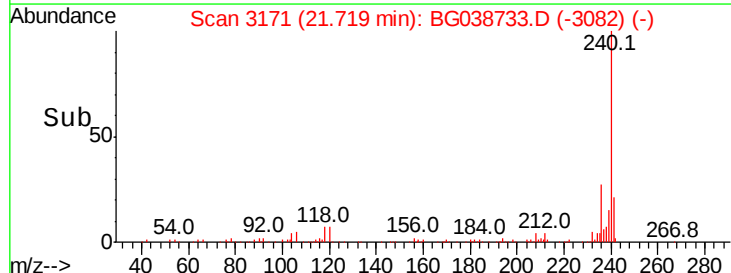
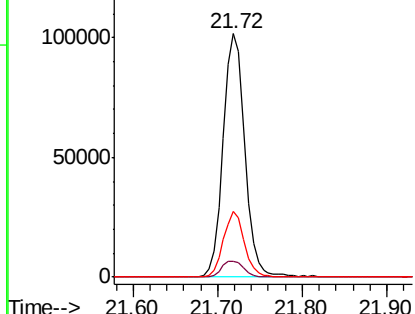


#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.72 min Scan# 3171  
 Delta R.T. -0.01 min  
 Lab File: BG038733.D  
 Acq: 19 Dec 2018 19:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 6.7   | 5.3   | 7.9   |
| 236     | 27.0  | 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: 67.346 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038733.D

Acq: 19 Dec 2018 19:05

Instrument :

BNA\_G

ClientSampled :

PB115792BL

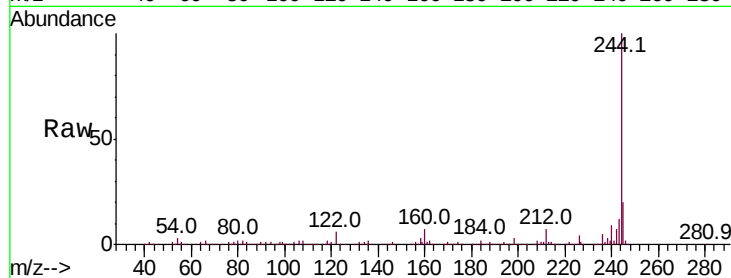
Tot Ion:244 Resp: 560310

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

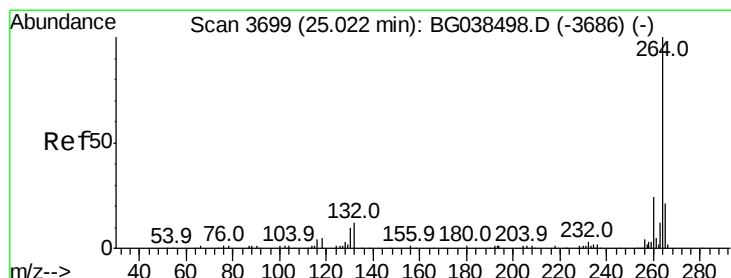
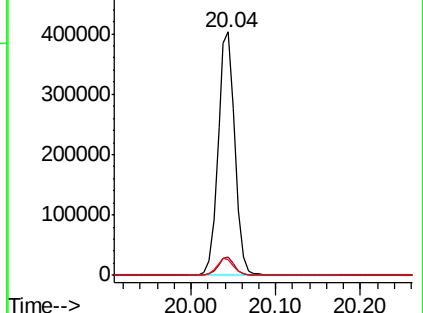
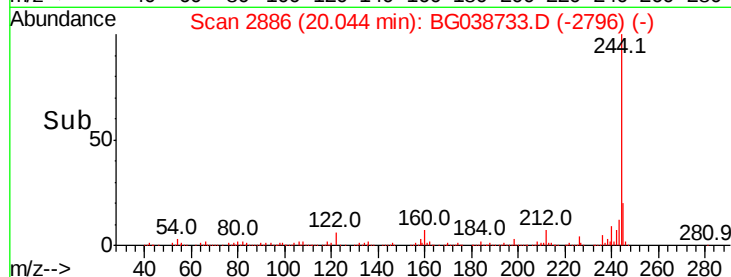
122 6.5 6.3 9.5



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: 25.01 min Scan# 3732

Delta R.T. -0.01 min

Lab File: BG038733.D

Acq: 19 Dec 2018 19:05

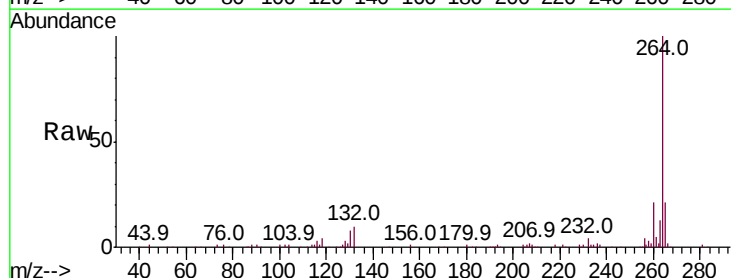
Tgt Ion:264 Resp: 185325

Ion Ratio Lower Upper

264 100

260 21.2 18.9 28.3

265 21.0 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

