

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG122217\  
 Data File : BG031740.D  
 Acq On : 23 Dec 2017 9:32  
 Operator : SJ/JU  
 Sample : I7040-06  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PZ-4

Quant Time: Dec 26 00:03:38 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG122117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 22 11:08:55 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.82  | 152  | 47883    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 11.71 | 136  | 201668   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.46 | 164  | 140037   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 18.19 | 188  | 349229   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.55 | 240  | 398139   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 26.33 | 264  | 424115   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.24  | 112  | 166417   | 63.30  | ng    | 0.00     |
| 7) Phenol-d6                | 7.92  | 99   | 132004   | 38.67  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 10.02 | 82   | 280899   | 105.18 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 16.93 | 330  | 355384   | 166.32 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 14.09 | 172  | 1064040  | 95.37  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.73 | 244  | 1712870  | 98.29  | ng    | 0.00     |

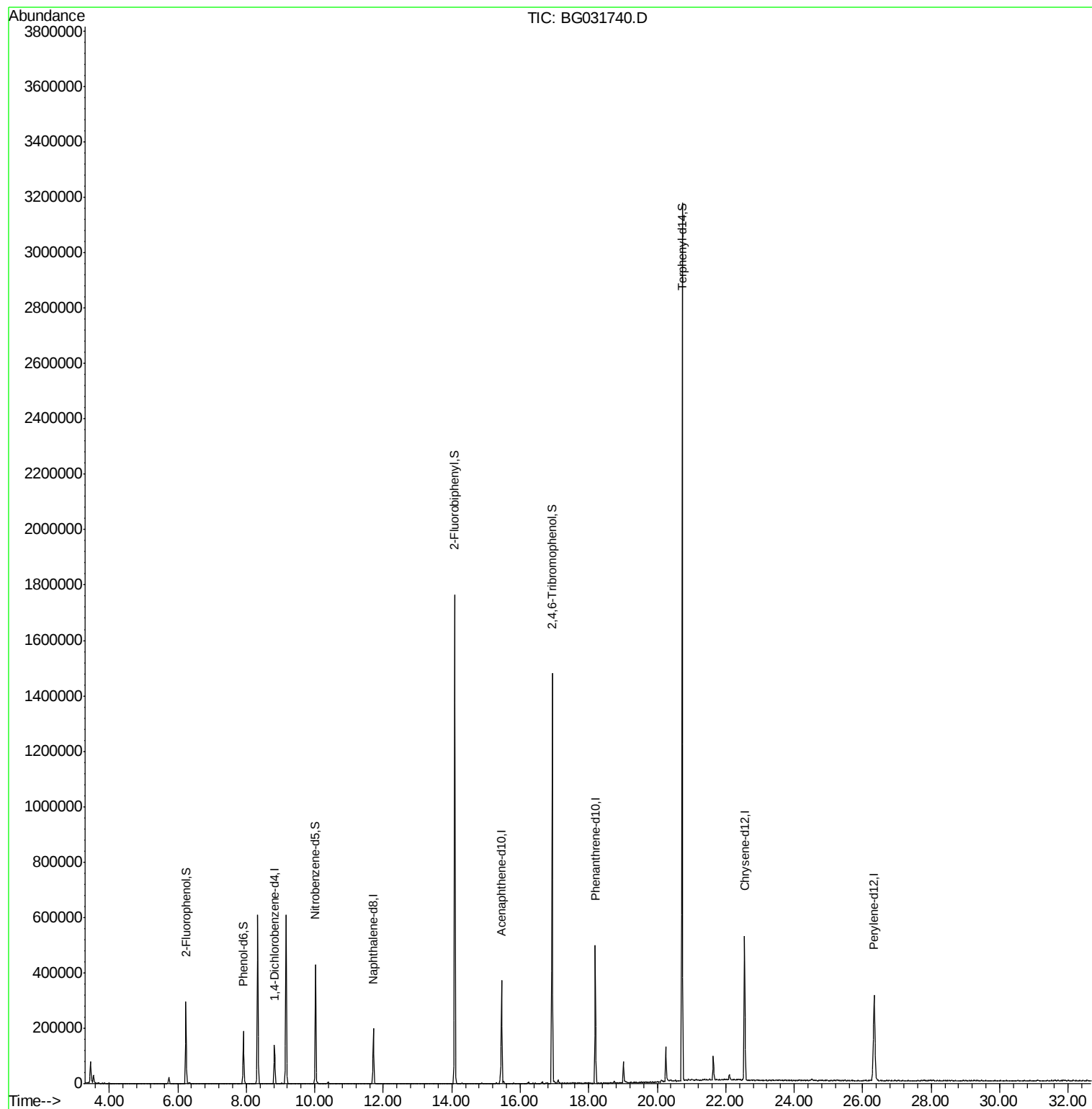
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

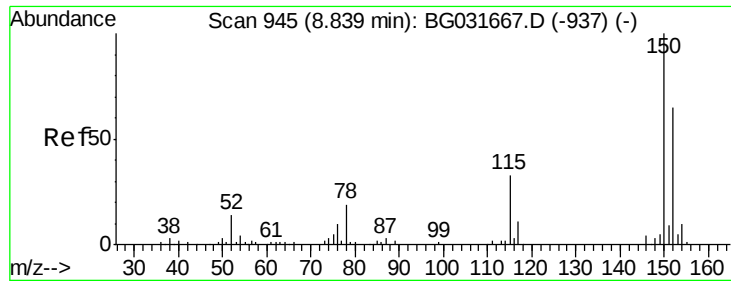
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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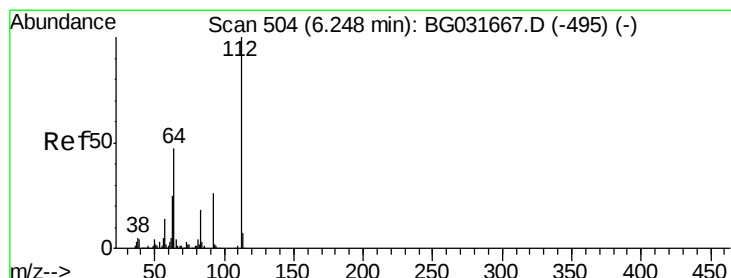
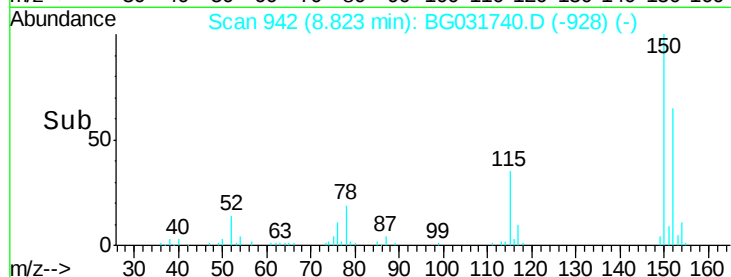
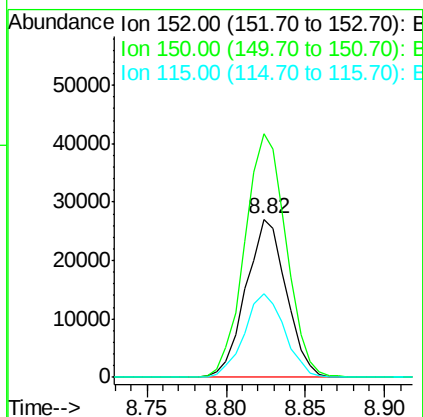
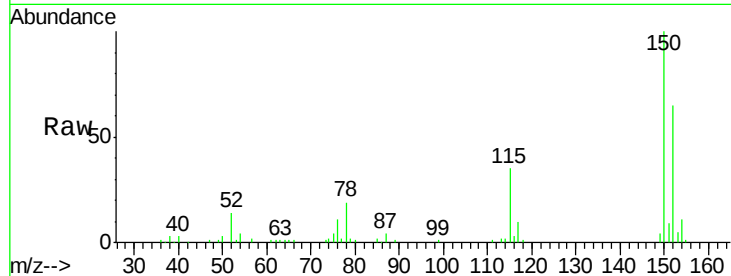


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.82 min Scan# 942  
Delta R.T. -0.02 min  
Lab File: BG031740.D  
Acq: 23 Dec 2017 9:32

Instrument :  
BNA\_G  
ClientSampleId :  
PZ-4

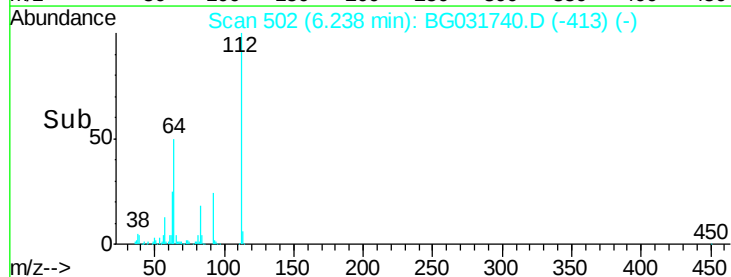
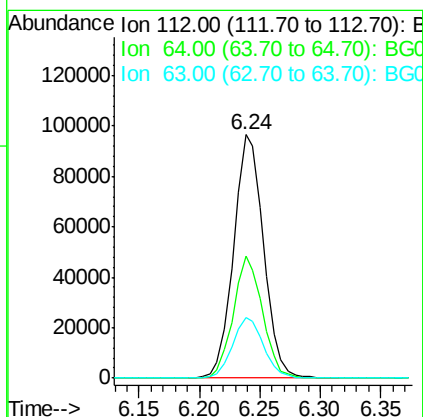
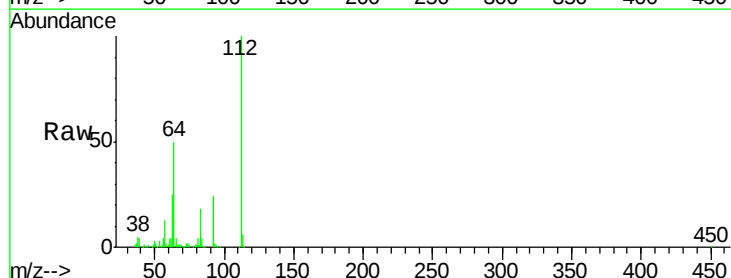
Tgt Ion:152 Resp: 47883  
Ion Ratio Lower Upper  
152 100  
150 153.8 126.6 189.8  
115 53.2 53.0 79.4



#5

2-Fluorophenol  
Concen: 63.302 ng  
RT: 6.24 min Scan# 502  
Delta R.T. -0.01 min  
Lab File: BG031740.D  
Acq: 23 Dec 2017 9:32

Tgt Ion:112 Resp: 166417  
Ion Ratio Lower Upper  
112 100  
64 50.0 56.3 84.5#  
63 24.7 30.1 45.1#





#7

Phenol-d6

Concen: 38.674 ng

RT: 7.92 min Scan# 788

Delta R.T. -0.01 min

Lab File: BG031740.D

Acq: 23 Dec 2017 9:32

Instrument :

BNA\_G

ClientSampleId :

PZ-4

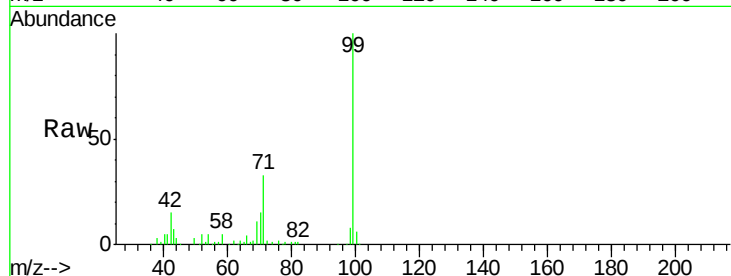
Tgt Ion: 99 Resp: 132004

Ion Ratio Lower Upper

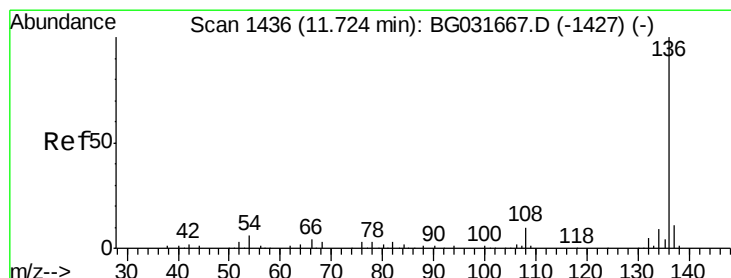
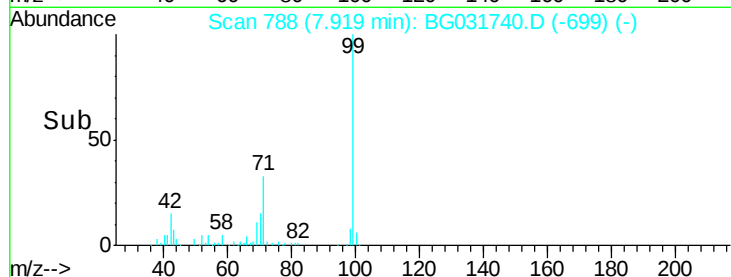
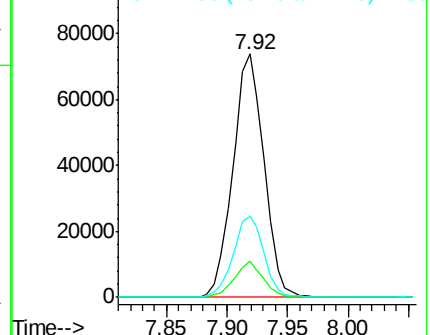
99 100

42 14.7 14.1 21.1

71 33.3 26.1 39.1



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: 11.71 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BG031740.D

Acq: 23 Dec 2017 9:32

Tgt Ion: 136 Resp: 201668

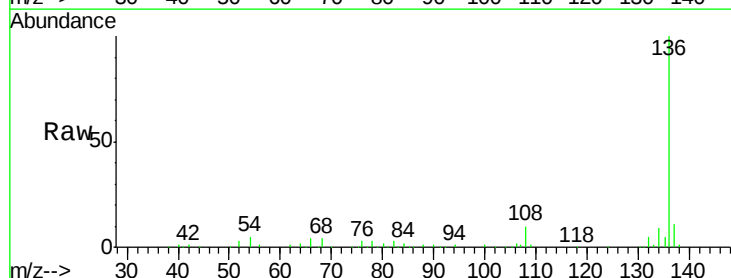
Ion Ratio Lower Upper

136 100

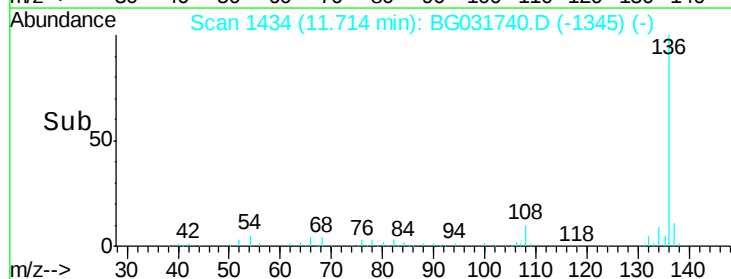
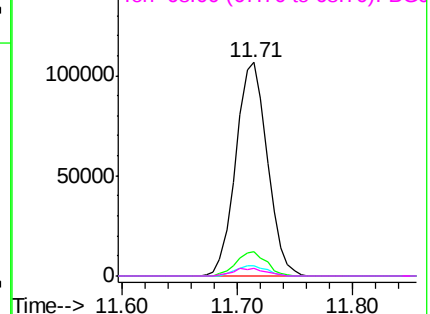
137 11.2 9.2 13.8

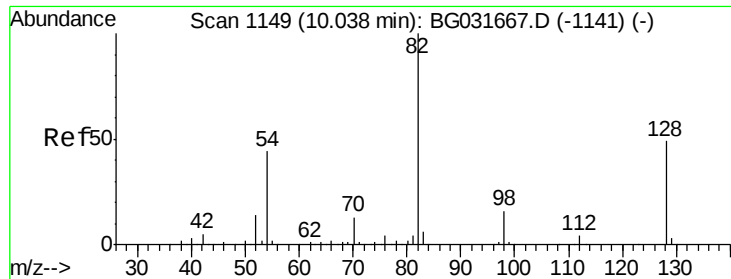
54 4.7 10.3 15.5#

68 3.8 4.5 6.7#



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

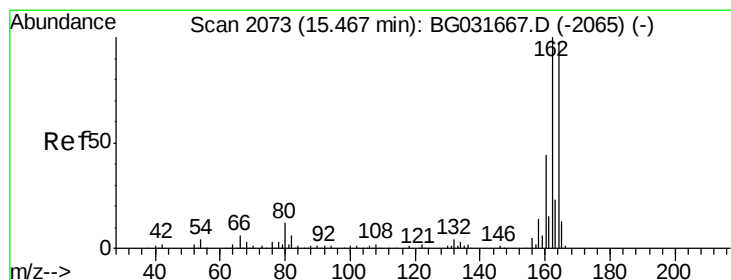
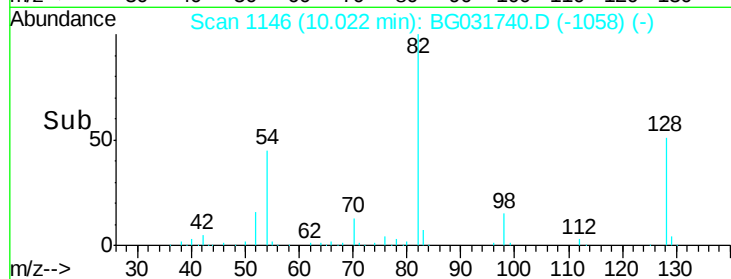
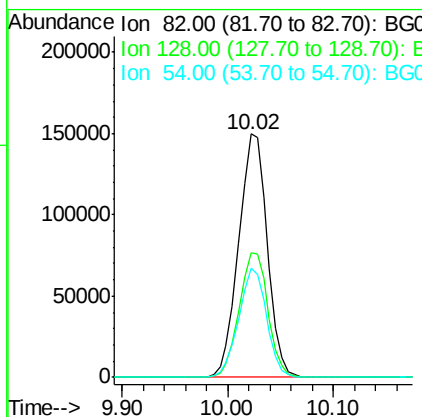
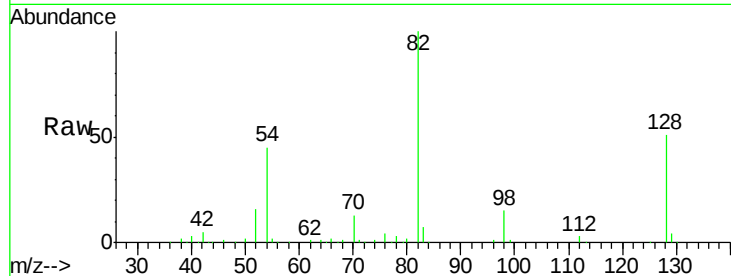




#23  
 Nitrobenzene-d5  
 Concen: 105.179 ng  
 RT: 10.02 min Scan# 1146  
 Delta R.T. -0.02 min  
 Lab File: BG031740.D  
 Acq: 23 Dec 2017 9:32

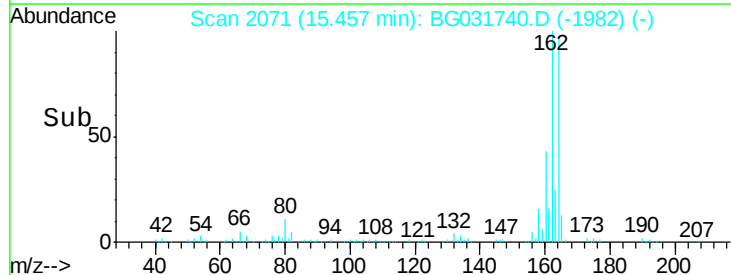
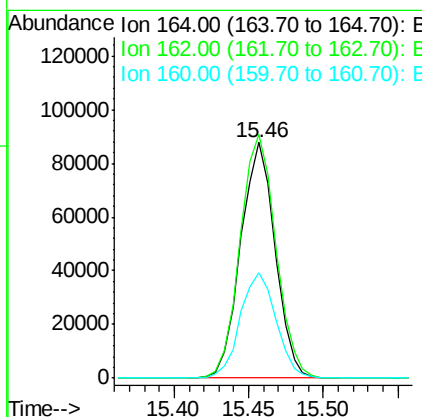
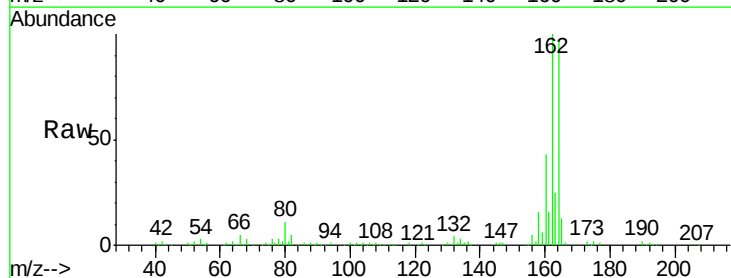
Instrument :  
 BNA\_G  
 ClientSampled :  
 PZ-4

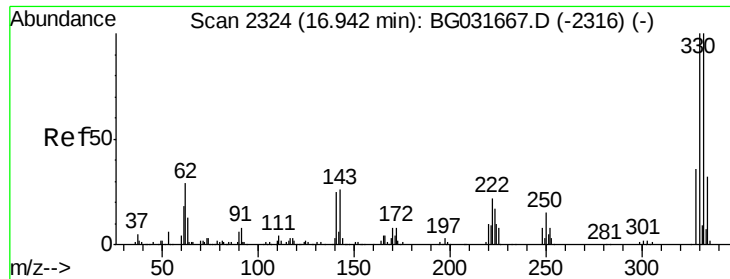
Tgt Ion: 82 Resp: 280899  
 Ion Ratio Lower Upper  
 82 100  
 128 51.0 29.7 44.5#  
 54 44.7 43.1 64.7



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.46 min Scan# 2071  
 Delta R.T. -0.01 min  
 Lab File: BG031740.D  
 Acq: 23 Dec 2017 9:32

Tgt Ion: 164 Resp: 140037  
 Ion Ratio Lower Upper  
 164 100  
 162 103.2 78.8 118.2  
 160 44.6 35.4 53.0

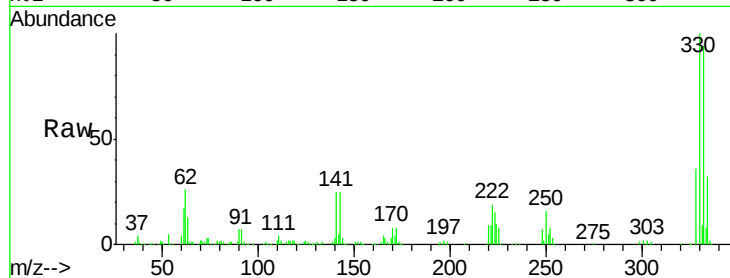




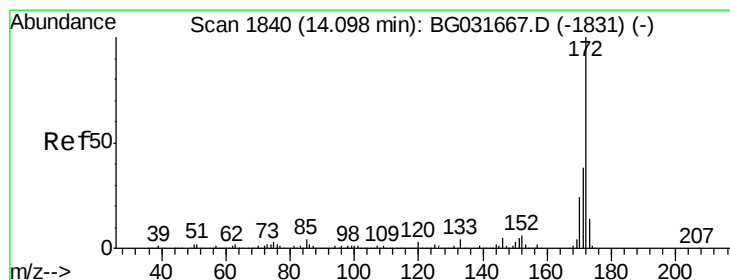
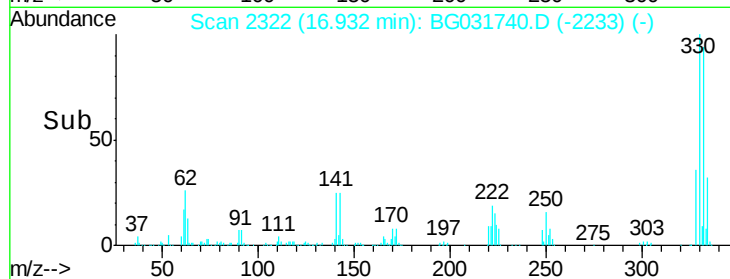
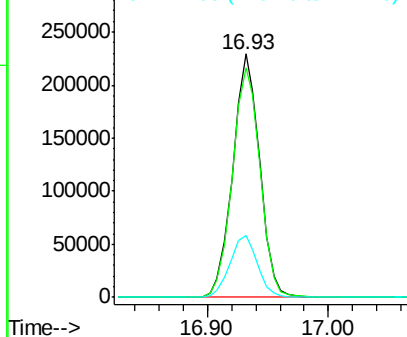
#41  
 2,4,6-Tribromophenol  
 Concen: 166.318 ng  
 RT: 16.93 min Scan# 2322  
 Delta R.T. -0.01 min  
 Lab File: BG031740.D  
 Acq: 23 Dec 2017 9:32

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PZ-4

Tgt Ion:330 Resp: 355384  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 77.0 115.6  
 141 25.9 25.2 37.8

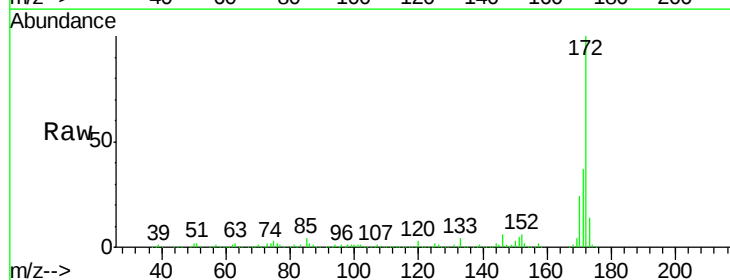


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

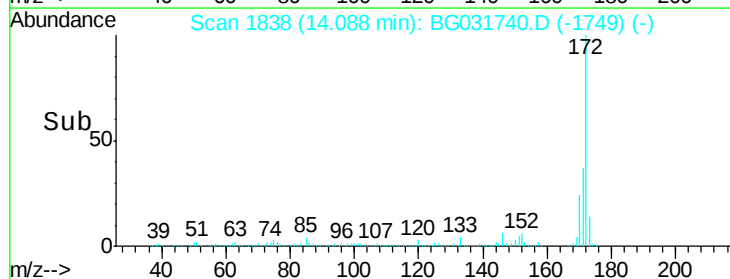
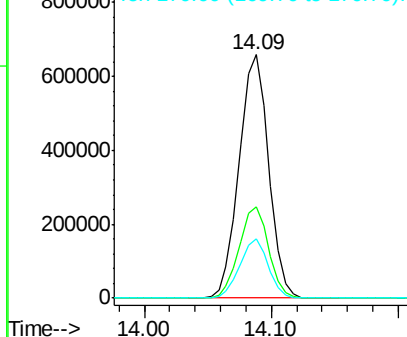


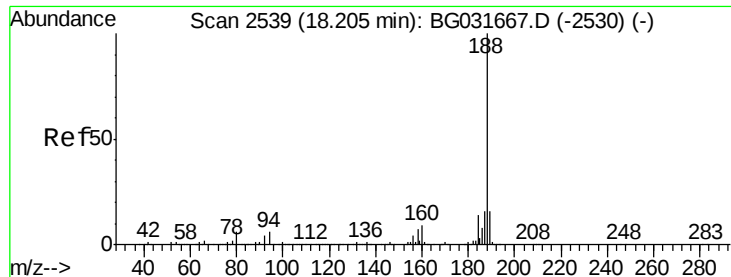
#44  
 2-Fluorobiphenyl  
 Concen: 95.369 ng  
 RT: 14.09 min Scan# 1838  
 Delta R.T. -0.01 min  
 Lab File: BG031740.D  
 Acq: 23 Dec 2017 9:32

Tgt Ion:172 Resp: 1064040  
 Ion Ratio Lower Upper  
 172 100  
 171 37.4 30.0 45.0  
 170 24.2 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

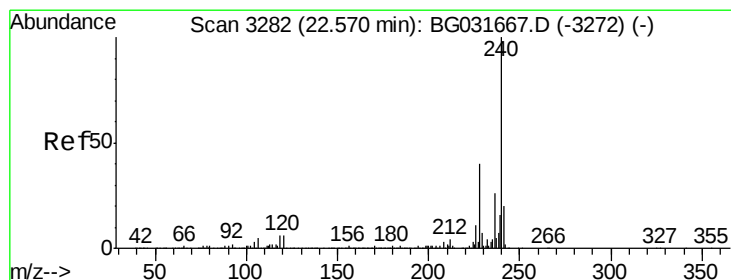
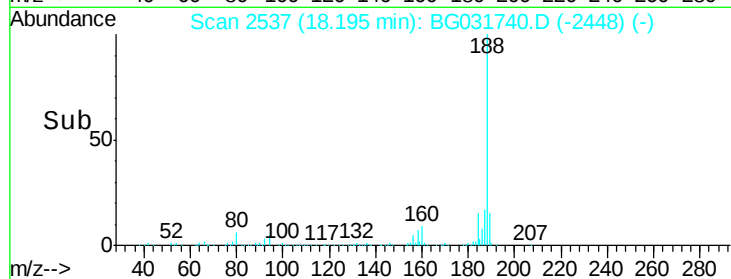
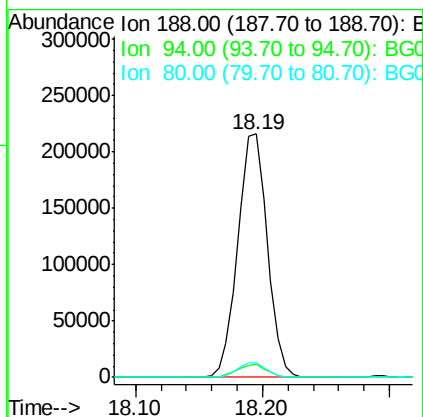
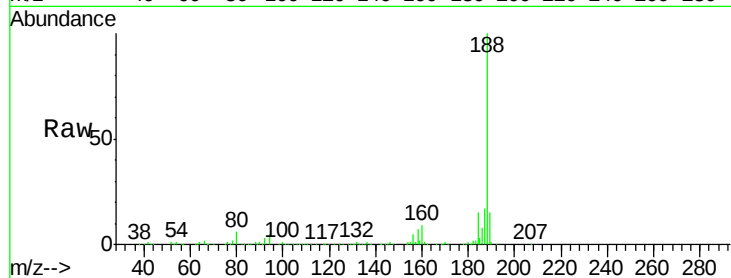




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.19 min Scan# 2537  
Delta R.T. -0.01 min  
Lab File: BG031740.D  
Acq: 23 Dec 2017 9:32

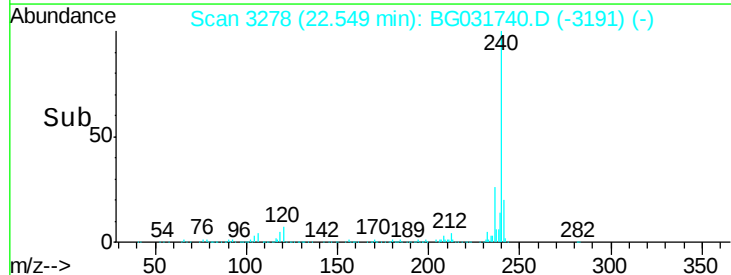
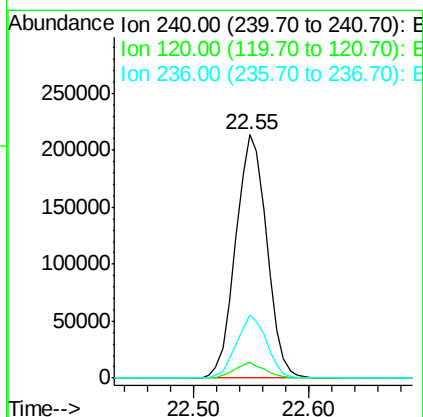
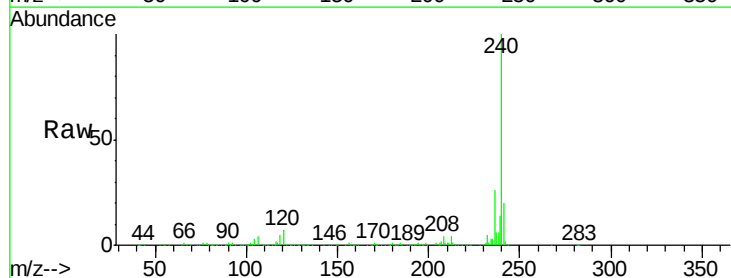
Instrument :  
BNA\_G  
ClientSampleId :  
PZ-4

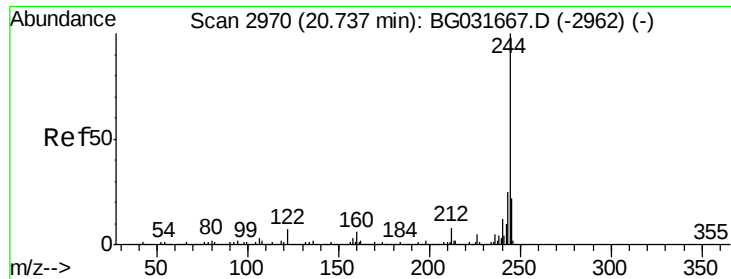
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 5.4   | 6.9   | 10.3# |
| 80      | 6.0   | 7.7   | 11.5# |



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.55 min Scan# 3278  
Delta R.T. -0.02 min  
Lab File: BG031740.D  
Acq: 23 Dec 2017 9:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 6.5   | 6.8   | 10.2# |
| 236     | 25.7  | 20.9  | 31.3  |

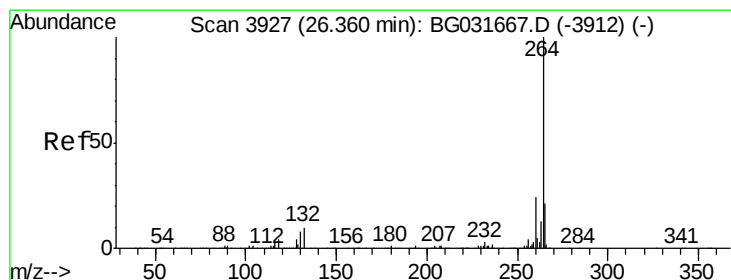
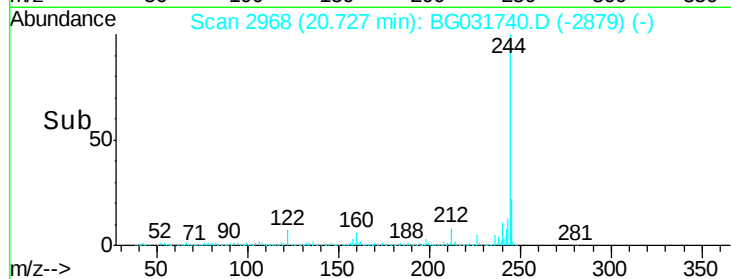
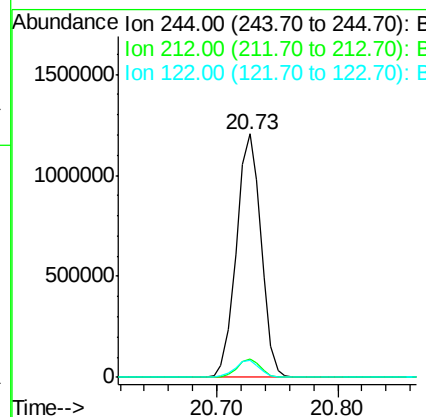
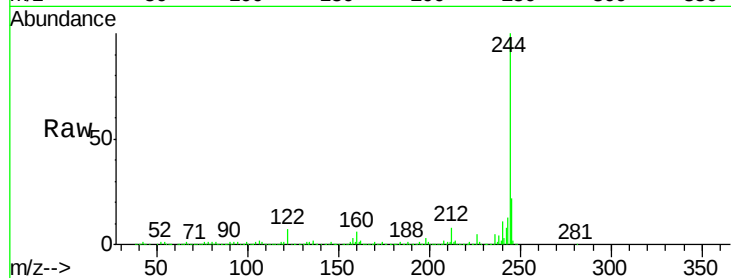




#78  
 Terphenyl-d14  
 Concen: 98.290 ng  
 RT: 20.73 min Scan# 2968  
 Delta R.T. -0.01 min  
 Lab File: BG031740.D  
 Acq: 23 Dec 2017 9:32

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PZ-4

Tgt Ion:244 Resp: 1712870  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 5.8 8.8  
 122 6.9 7.0 10.4#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 26.33 min Scan# 3922  
 Delta R.T. -0.03 min  
 Lab File: BG031740.D  
 Acq: 23 Dec 2017 9:32

Tgt Ion:264 Resp: 424115  
 Ion Ratio Lower Upper  
 264 100  
 260 22.2 17.4 26.0  
 265 20.3 17.7 26.5

