

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG121117\  
 Data File : BG031471.D  
 Acq On : 12 Dec 2017 1:57  
 Operator : SJ/JU  
 Sample : I6762-07  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 120417-TIDO-F-U-B

Quant Time: Dec 12 03:54:47 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG121117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Dec 11 17:25:55 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.11  | 152  | 49572    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.93 | 136  | 214833   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.73 | 164  | 143659   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.47 | 188  | 411647   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.74 | 240  | 500016   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.02 | 264  | 476641   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.67  | 112  | 131362   | 46.97  | ng    | 0.00     |
| 7) Phenol-d6                | 7.28  | 99   | 105376   | 27.14  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.28  | 82   | 309836   | 88.89  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.22 | 330  | 169826   | 100.91 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.35 | 172  | 922799   | 94.29  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.06 | 244  | 1775149  | 80.77  | ng    | 0.00     |

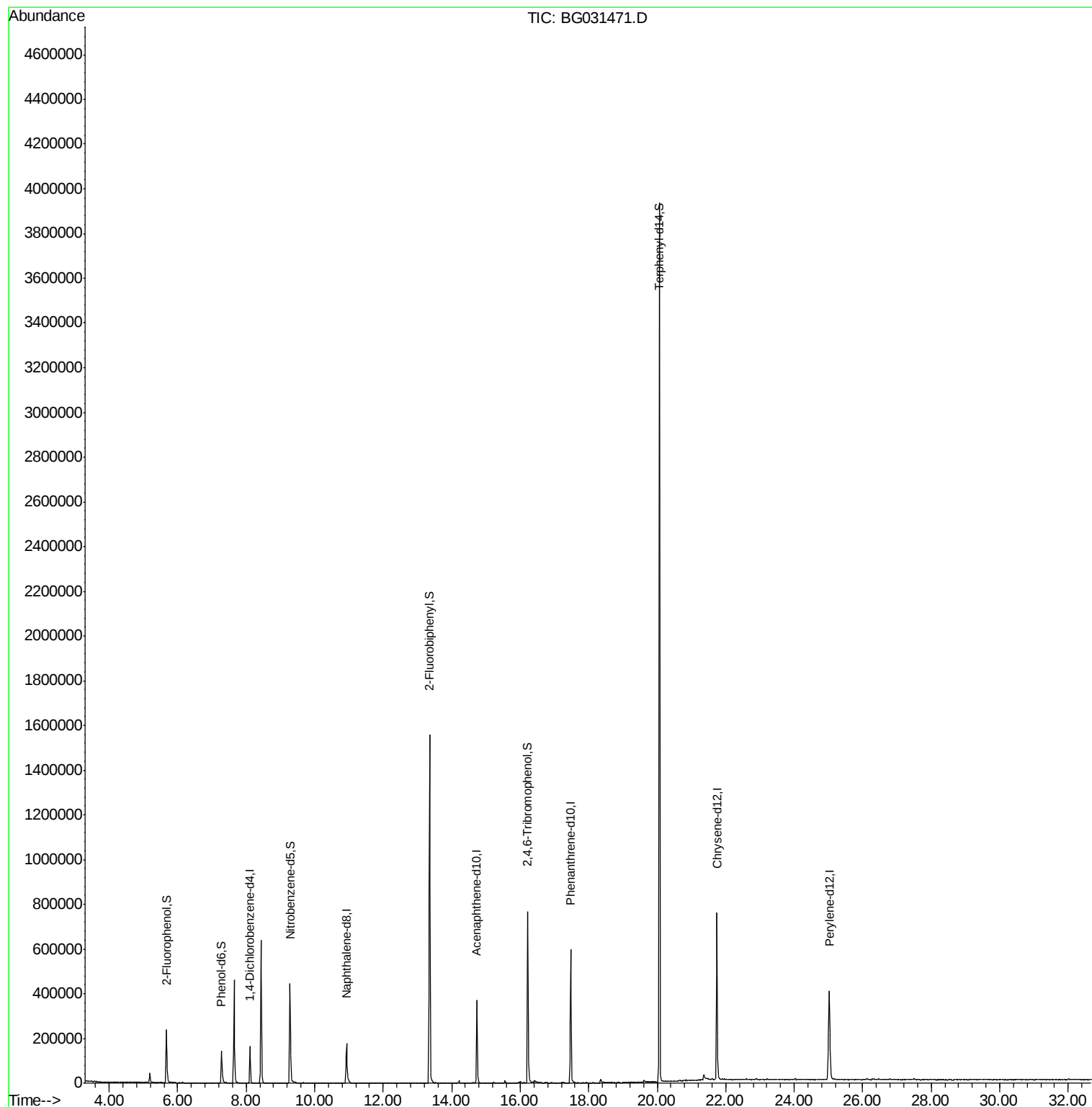
Target Compounds Qvalue

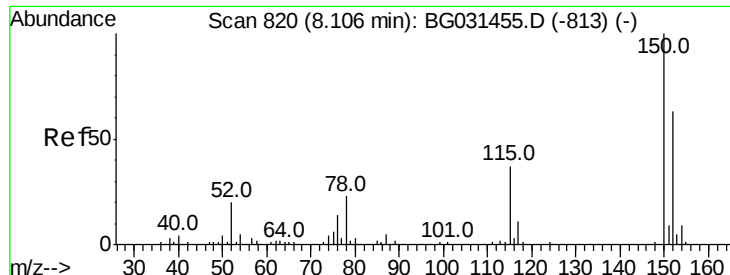
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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120417-TIDO-F-U-B

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Response via : Initial Calibration



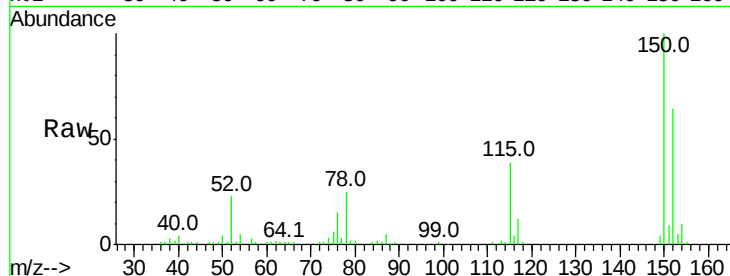


#1

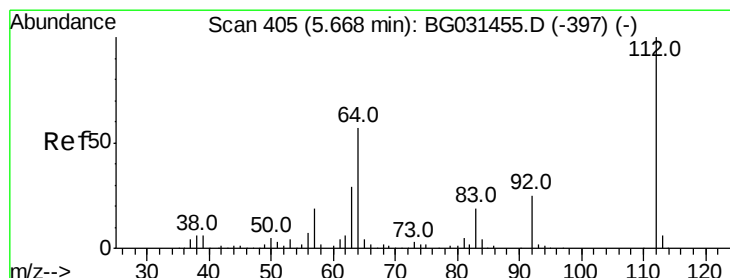
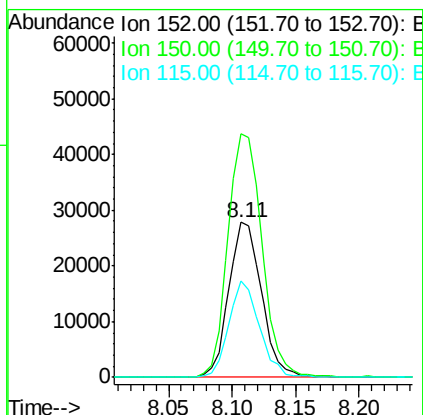
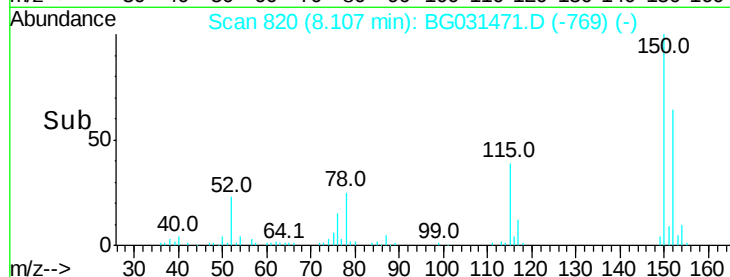
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.11 min Scan# 820  
 Delta R.T. 0.00 min  
 Lab File: BG031471.D  
 Acq: 12 Dec 2017 1:57

Instrument :  
 BNA\_G  
 ClientSampleId :  
 120417-TIDO-F-U-B

Tot Ion:152 Resp: 49572  
 Ion Ratio Lower Upper  
 152 100  
 150 157.4 126.6 189.8  
 115 62.0 53.0 79.4



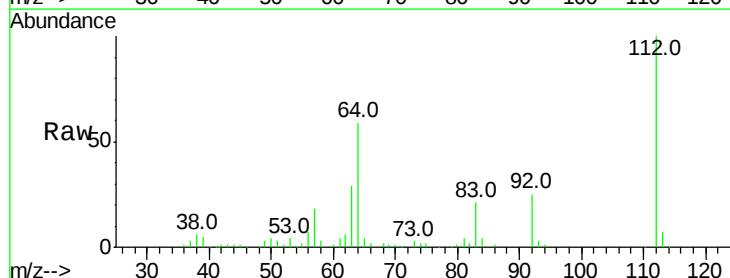
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



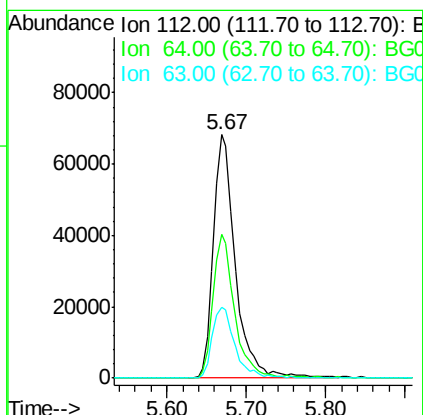
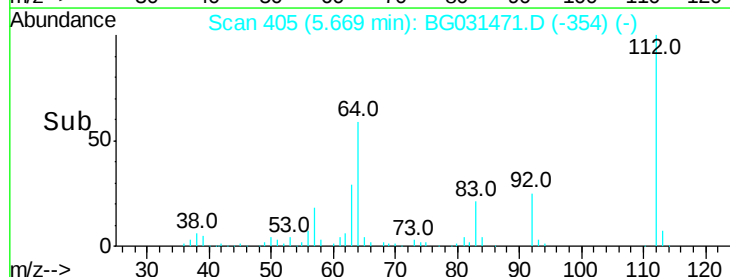
#5

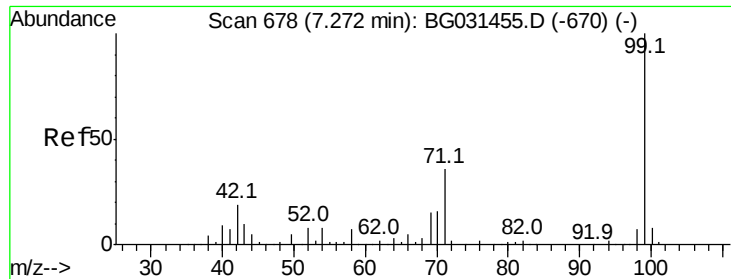
2-Fluorophenol  
 Concen: 46.970 ng  
 RT: 5.67 min Scan# 405  
 Delta R.T. 0.00 min  
 Lab File: BG031471.D  
 Acq: 12 Dec 2017 1:57

Tgt Ion:112 Resp: 131362  
 Ion Ratio Lower Upper  
 112 100  
 64 59.1 56.3 84.5  
 63 29.0 30.1 45.1#



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: 27.141 ng

RT: 7.28 min Scan# 679

Delta R.T. 0.01 min

Lab File: BG031471.D

Acq: 12 Dec 2017 1:57

Instrument :

BNA\_G

ClientSampleId :

120417-TIDO-F-U-B

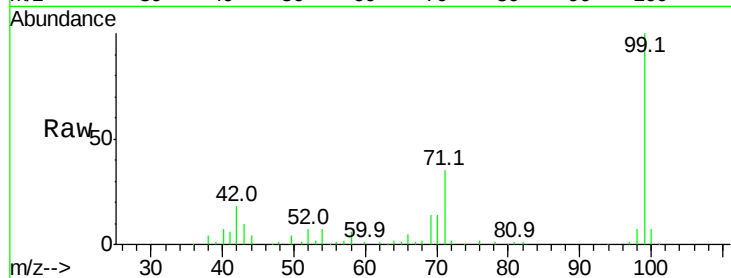
Tot Ion: 99 Resp: 105376

Ion Ratio Lower Upper

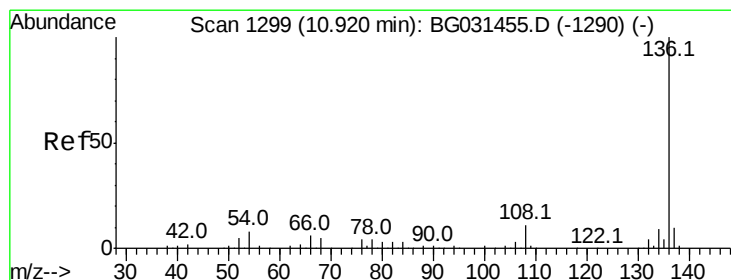
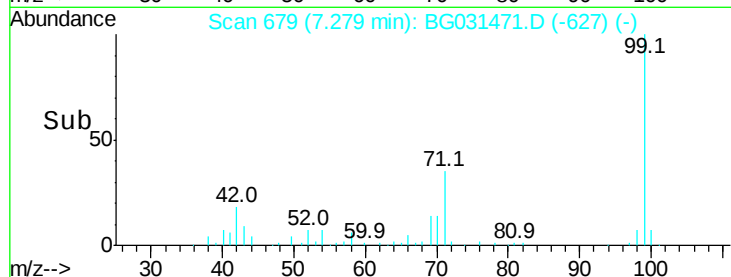
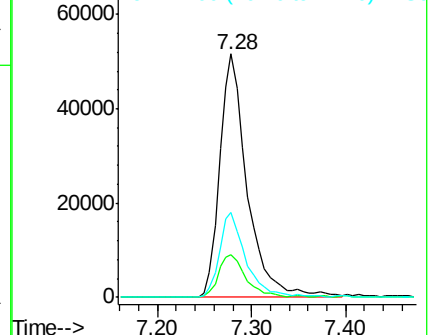
99 100

42 17.8 14.1 21.1

71 34.9 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: 10.93 min Scan# 1300

Delta R.T. 0.01 min

Lab File: BG031471.D

Acq: 12 Dec 2017 1:57

Tgt Ion: 136 Resp: 214833

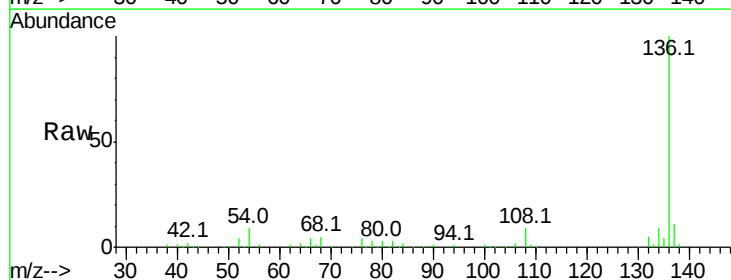
Ion Ratio Lower Upper

136 100

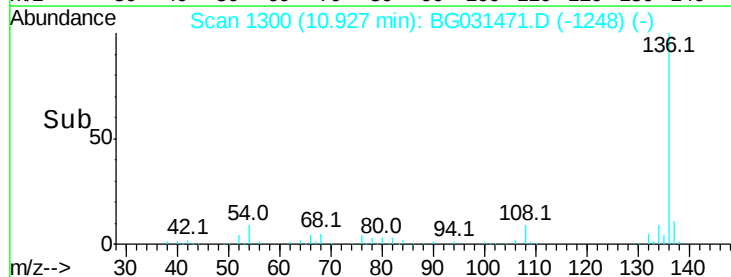
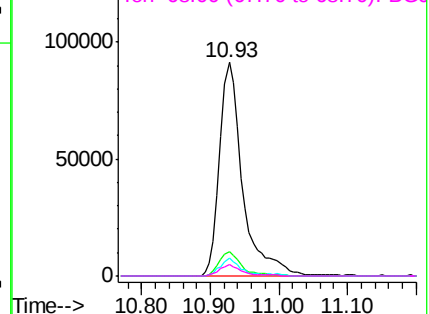
137 11.2 9.2 13.8

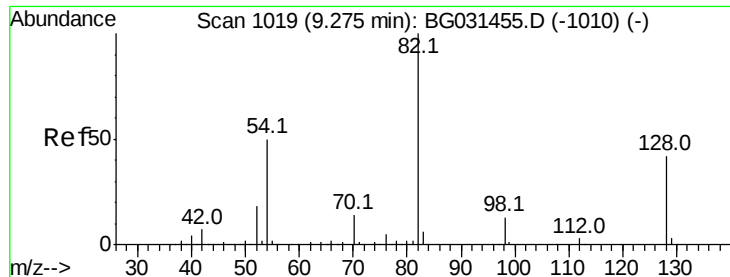
54 8.6 10.3 15.5#

68 5.1 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

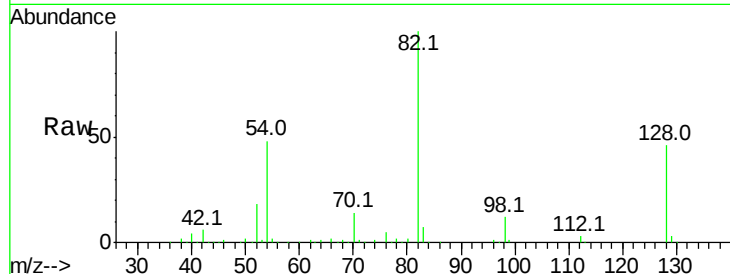




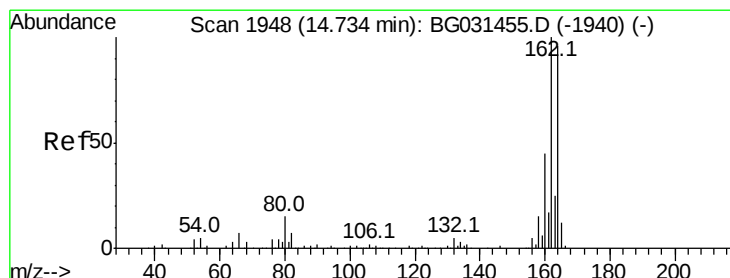
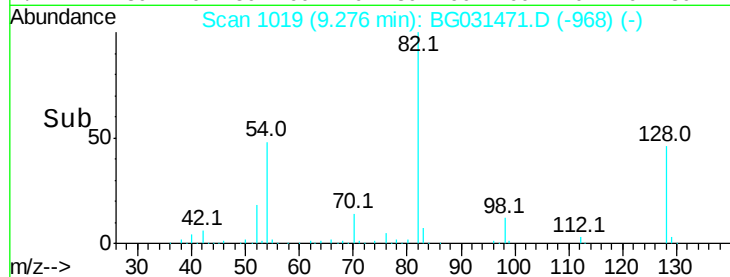
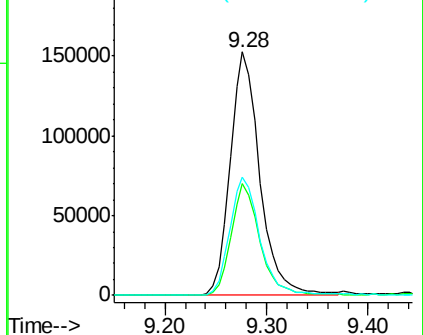
#23  
Nitrobenzene-d5  
Concen: 88.893 ng  
RT: 9.28 min Scan# 1019  
Delta R.T. 0.00 min  
Lab File: BG031471.D  
Acq: 12 Dec 2017 1:57

Instrument :  
BNA\_G  
ClientSampleId :  
120417-TIDO-F-U-B

Tot Ion: 82 Resp: 309836  
Ion Ratio Lower Upper  
82 100  
128 45.7 29.7 44.5#  
54 48.3 43.1 64.7

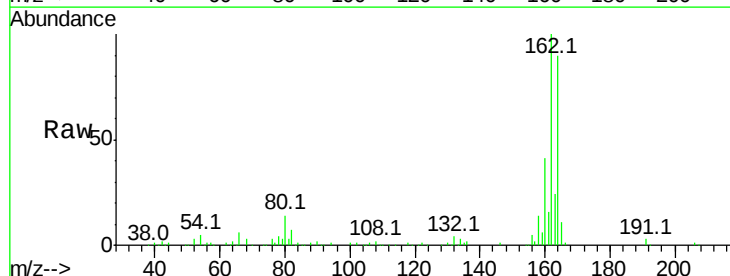


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

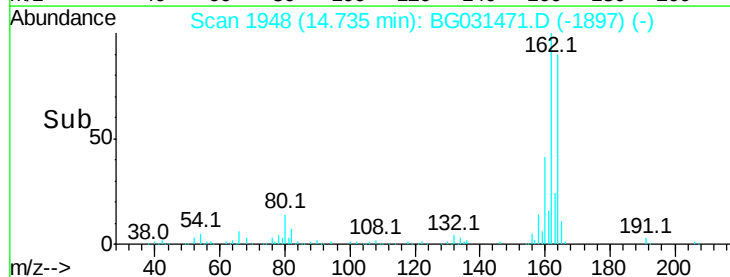
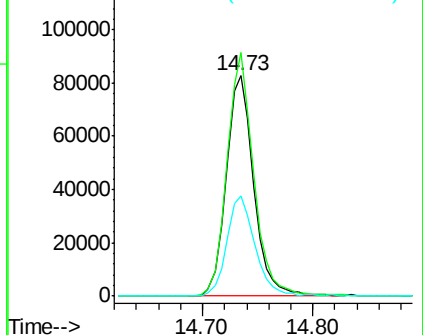


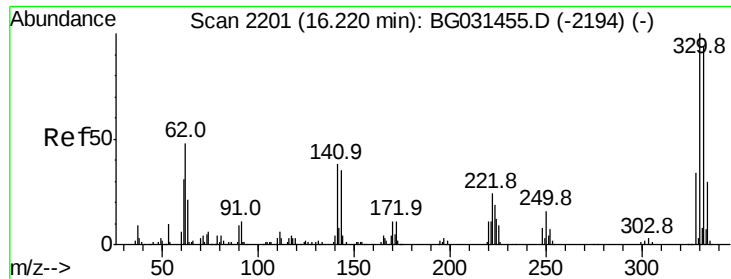
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.73 min Scan# 1948  
Delta R.T. 0.00 min  
Lab File: BG031471.D  
Acq: 12 Dec 2017 1:57

Tgt Ion:164 Resp: 143659  
Ion Ratio Lower Upper  
164 100  
162 110.7 78.8 118.2  
160 45.6 35.4 53.0



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

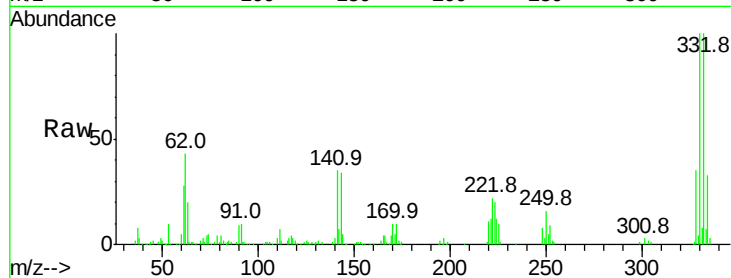




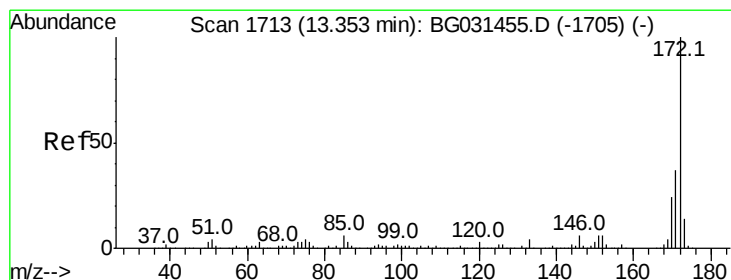
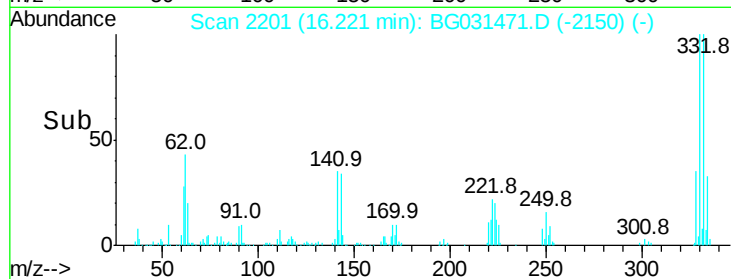
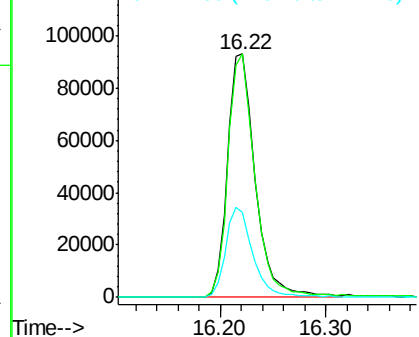
#41  
 2,4,6-Tribromophenol  
 Concen: 100.905 ng  
 RT: 16.22 min Scan# 2201  
 Delta R.T. 0.00 min  
 Lab File: BG031471.D  
 Acq: 12 Dec 2017 1:57

Instrument :  
 BNA\_G  
 ClientSampleId :  
 120417-TIDO-F-U-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.0  | 77.0  | 115.6 |
| 141     | 36.5  | 25.2  | 37.8  |

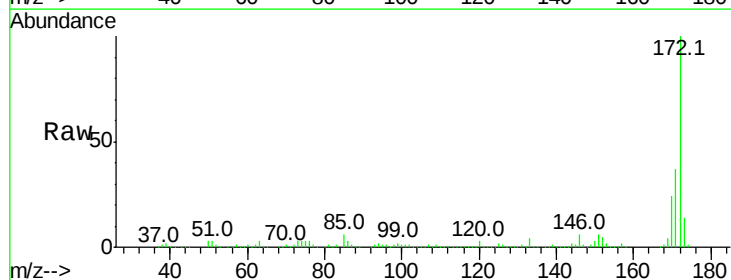


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

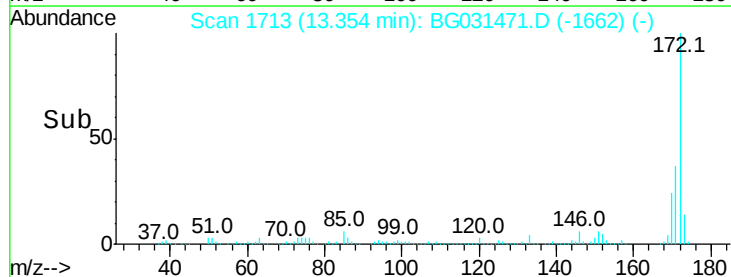
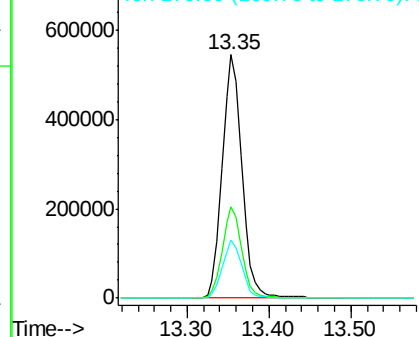


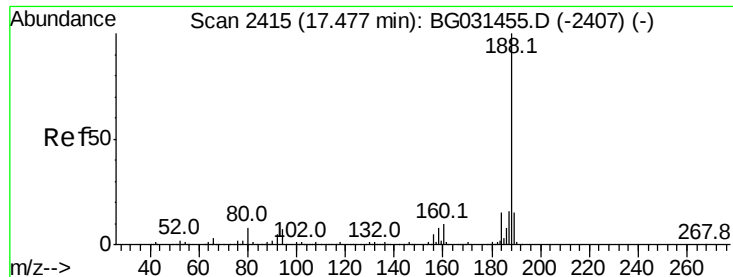
#44  
 2-Fluorobiphenyl  
 Concen: 94.289 ng  
 RT: 13.35 min Scan# 1713  
 Delta R.T. 0.00 min  
 Lab File: BG031471.D  
 Acq: 12 Dec 2017 1:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.4  | 30.0  | 45.0  |
| 170     | 23.9  | 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

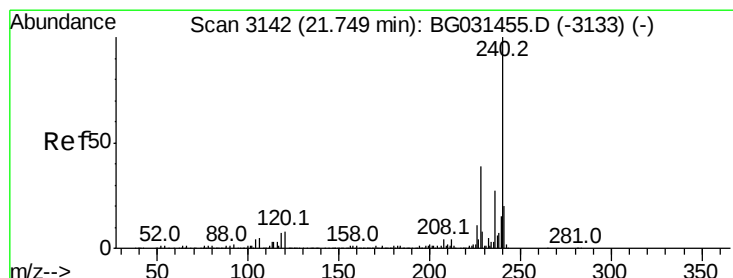
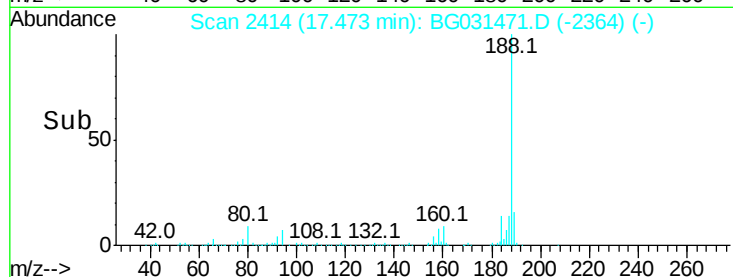
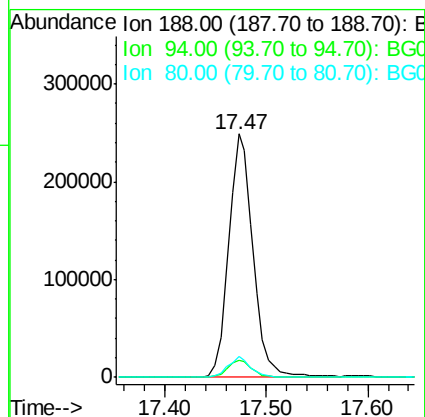
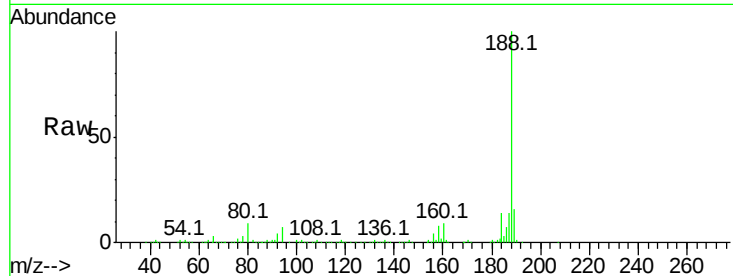




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.47 min Scan# 2414  
Delta R.T. -0.00 min  
Lab File: BG031471.D  
Acq: 12 Dec 2017 1:57

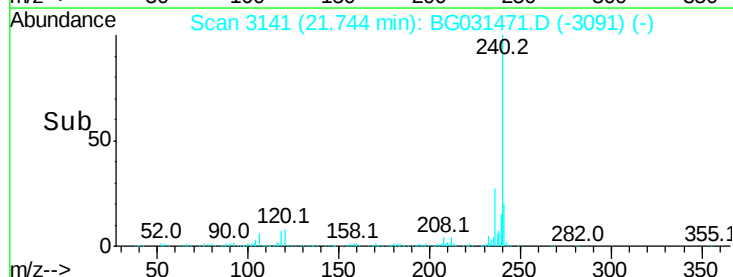
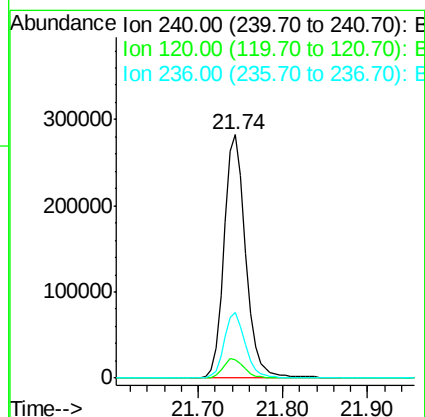
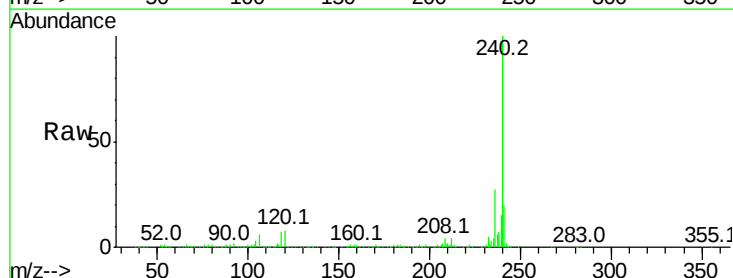
Instrument :  
BNA\_G  
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120417-TIDO-F-U-B

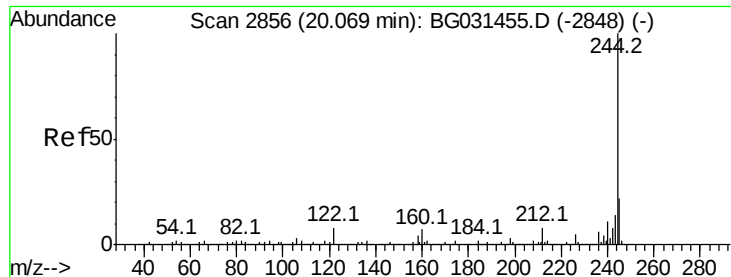
Tot Ion:188 Resp: 411647  
Ion Ratio Lower Upper  
188 100  
94 7.0 6.9 10.3  
80 8.6 7.7 11.5



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.74 min Scan# 3141  
Delta R.T. -0.00 min  
Lab File: BG031471.D  
Acq: 12 Dec 2017 1:57

Tgt Ion:240 Resp: 500016  
Ion Ratio Lower Upper  
240 100  
120 7.6 6.8 10.2  
236 27.0 20.9 31.3





#78

Terphenyl-d14

Concen: 80.772 ng

RT: 20.06 min Scan# 2855

Delta R.T. -0.00 min

Lab File: BG031471.D

Acq: 12 Dec 2017 1:57

Instrument :

BNA\_G

ClientSampleId :

120417-TIDO-F-U-B

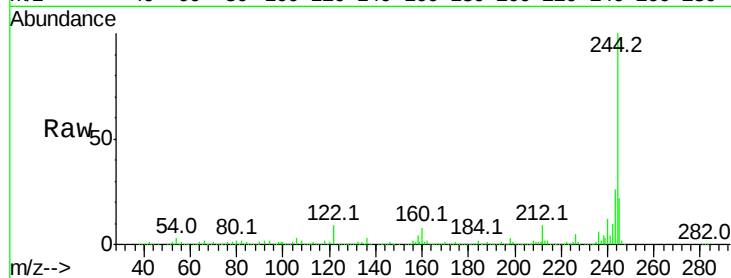
Tot Ion:244 Resp: 1775149

Ion Ratio Lower Upper

244 100

212 8.8 5.8 8.8

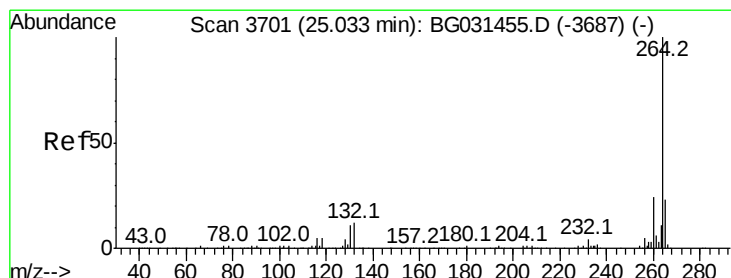
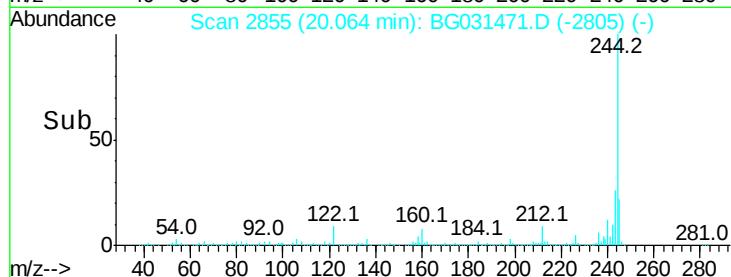
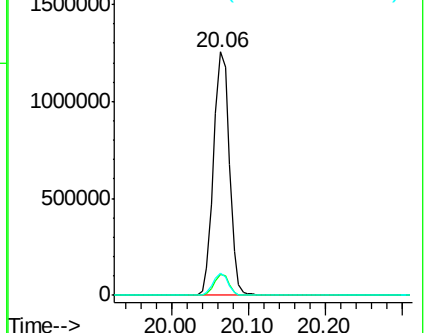
122 9.0 7.0 10.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.02 min Scan# 3699

Delta R.T. -0.01 min

Lab File: BG031471.D

Acq: 12 Dec 2017 1:57

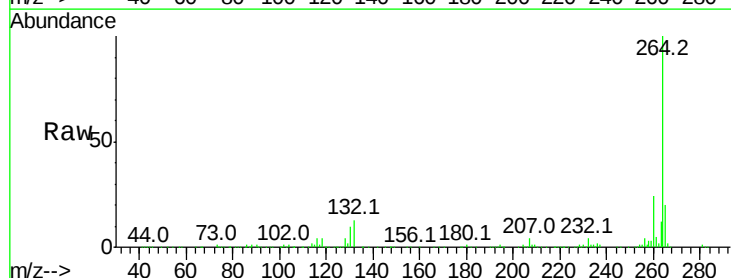
Tgt Ion:264 Resp: 476641

Ion Ratio Lower Upper

264 100

260 24.1 17.4 26.0

265 20.4 17.7 26.5



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

