

Data Path : Z:\HPCHEM1\BNA G\DATA\BG040617\  
 Data File : BG026573.D  
 Acq On : 6 Apr 2017 19:41  
 Operator : SJ/MA  
 Sample : PB98108BL  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB98108BL

Quant Time: Apr 07 01:12:32 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG032017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 20 17:43:27 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.04  | 152  | 157225   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.84 | 136  | 635482   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.65 | 164  | 360519   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.38 | 188  | 884177   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.63 | 240  | 1071224  | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 24.81 | 264  | 1020327  | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.62  | 112  | 1179084  | 133.11 | ng    | 0.00     |
| 7) Phenol-d6                | 7.21  | 99   | 1478576  | 124.33 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.20  | 82   | 769916   | 72.85  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.13 | 330  | 615795   | 149.15 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.28 | 172  | 2179823  | 84.79  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.98 | 244  | 3153648  | 71.50  | ng    | 0.00     |

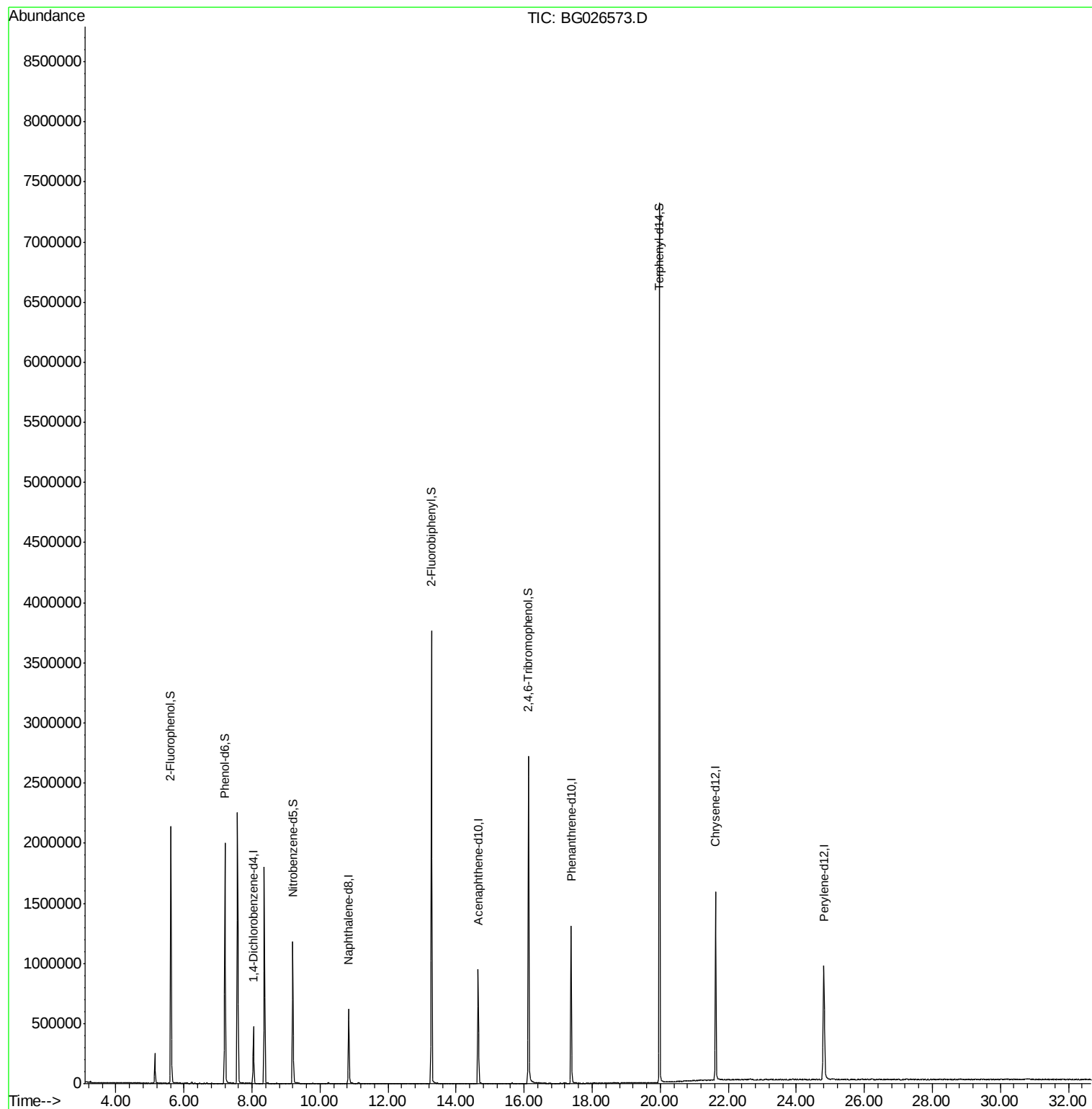
Target Compounds Qvalue

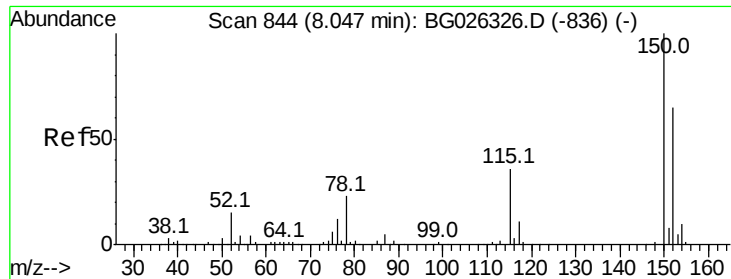
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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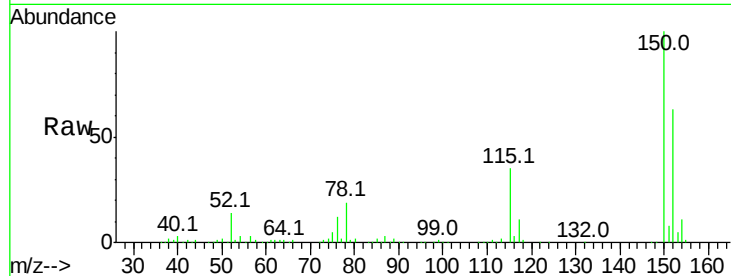


#1

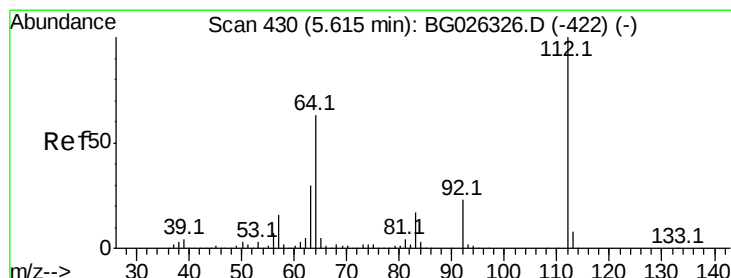
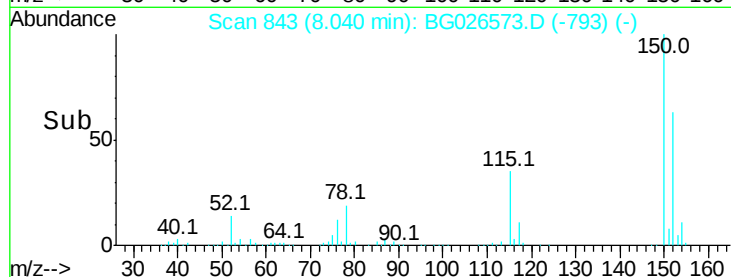
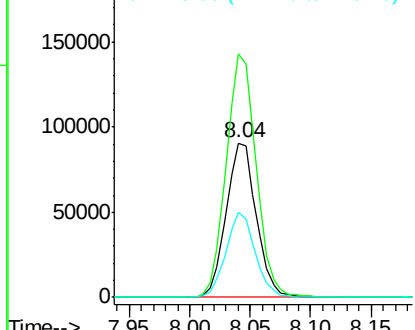
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.04 min Scan# 843  
Delta R.T. -0.01 min  
Lab File: BG026573.D  
Acq: 6 Apr 2017 19:41

Instrument :  
BNA\_G  
ClientSampleId :  
PB98108BL

Tot Ion:152 Resp: 157225  
Ion Ratio Lower Upper  
152 100  
150 158.0 114.0 171.0  
115 55.0 48.1 72.1



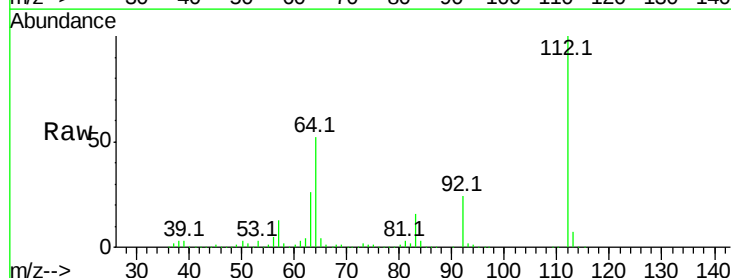
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



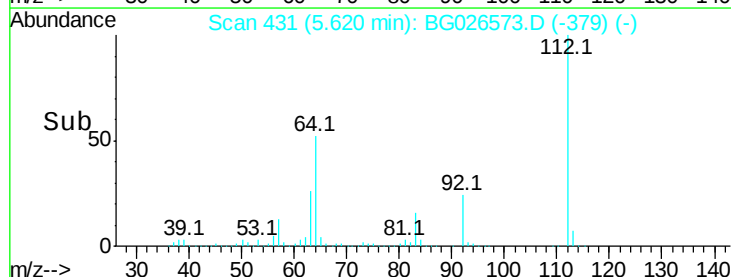
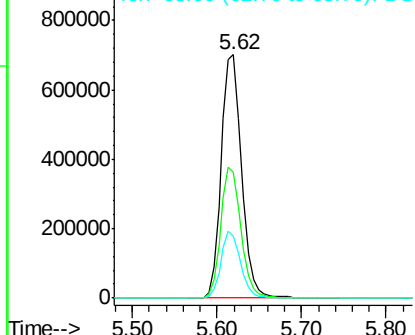
#5

2-Fluorophenol  
Concen: 133.11 ng  
RT: 5.62 min Scan# 431  
Delta R.T. 0.00 min  
Lab File: BG026573.D  
Acq: 6 Apr 2017 19:41

Tgt Ion:112 Resp: 1179084  
Ion Ratio Lower Upper  
112 100  
64 51.9 61.8 92.6#  
63 25.6 37.2 55.8#



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 124.33 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG026573.D

Acq: 6 Apr 2017 19:41

Instrument :

BNA\_G

ClientSampleId :

PB98108BL

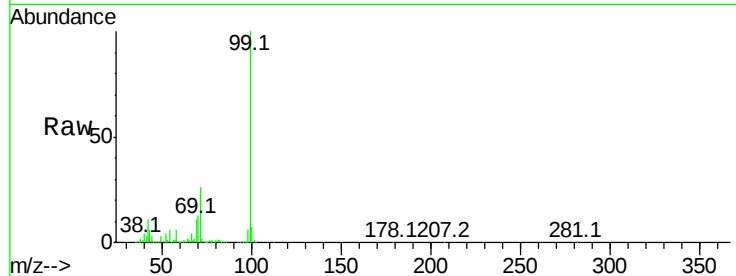
Tot Ion: 99 Resp: 1478576

Ion Ratio Lower Upper

99 100

42 10.8 20.5 30.7#

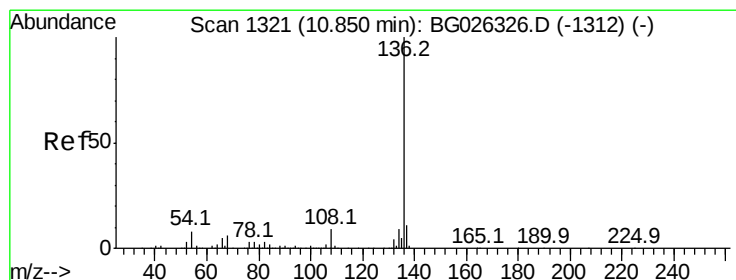
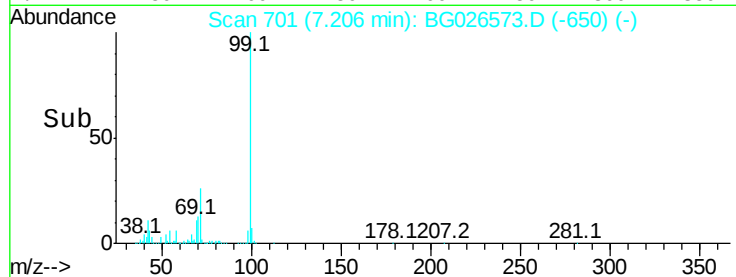
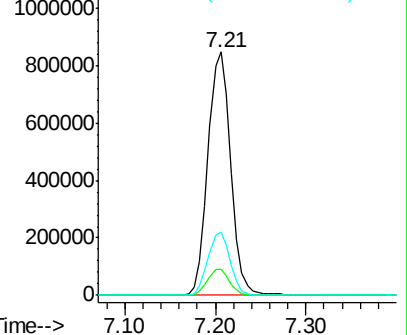
71 25.9 37.6 56.4#



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: 20.00 ng

RT: 10.84 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BG026573.D

Acq: 6 Apr 2017 19:41

Tgt Ion: 136 Resp: 635482

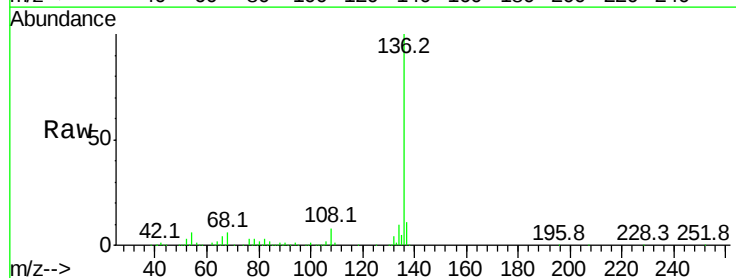
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 6.1 9.3 13.9#

68 5.6 5.1 7.7

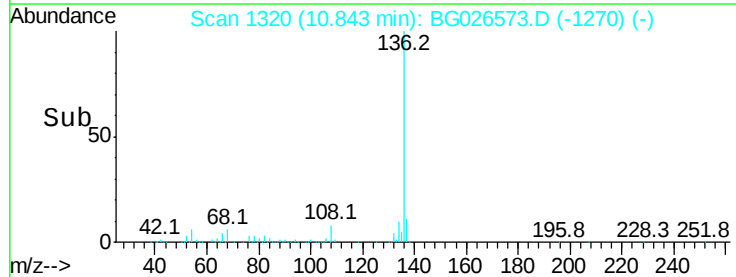
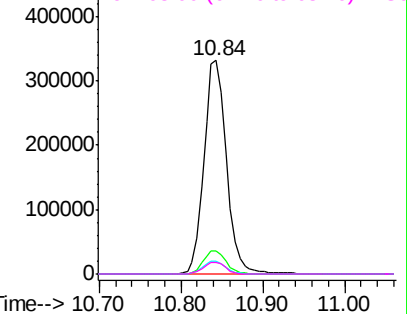


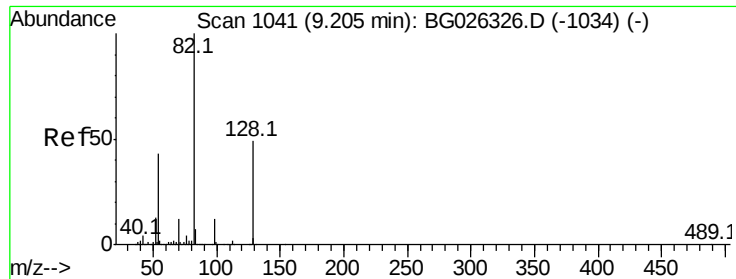
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

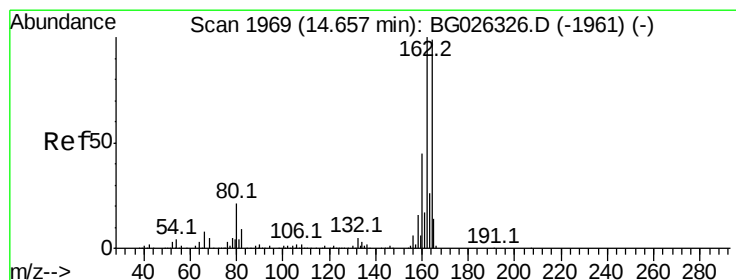
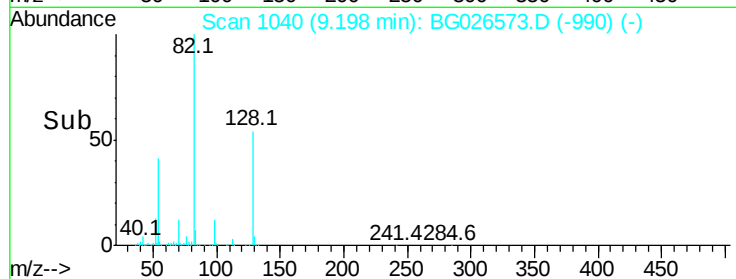
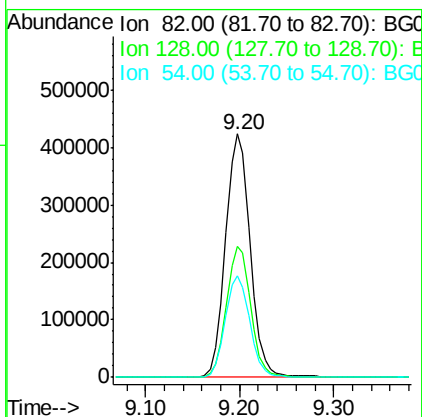
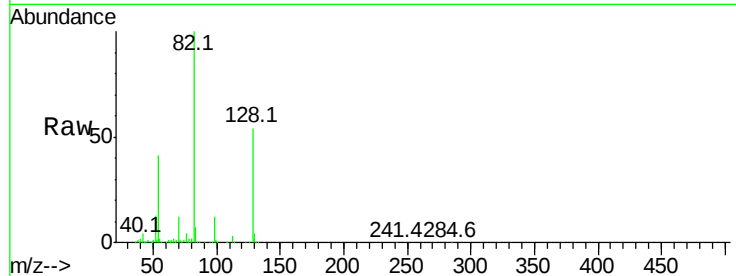




#23  
 Nitrobenzene-d5  
 Concen: 72.85 ng  
 RT: 9.20 min Scan# 1040  
 Delta R.T. -0.01 min  
 Lab File: BG026573.D  
 Acq: 6 Apr 2017 19:41

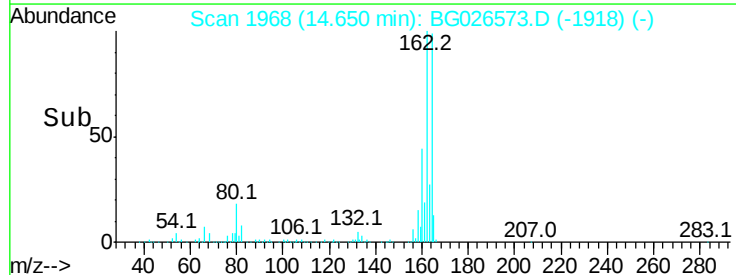
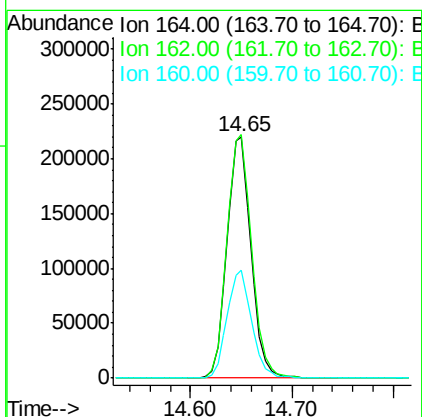
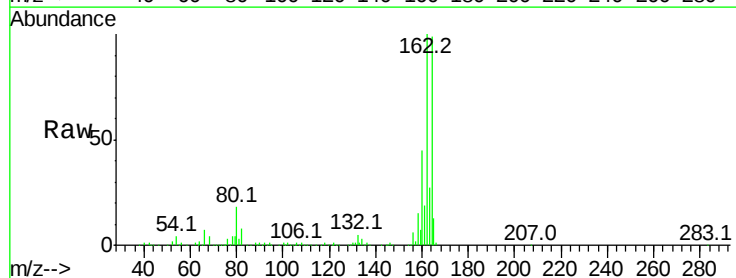
Instrument :  
 BNA\_G  
 ClientSampled :  
 PB98108BL

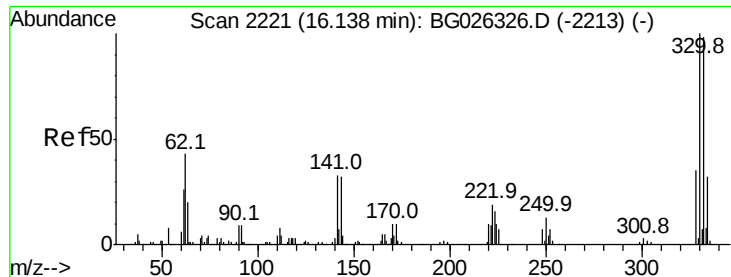
| Tot Ion   | 82   | Resp  | 769916 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 54.0 | 26.4  | 39.6#  |
| 54        | 41.5 | 49.4  | 74.2#  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.65 min Scan# 1968  
 Delta R.T. -0.01 min  
 Lab File: BG026573.D  
 Acq: 6 Apr 2017 19:41

| Tgt Ion   | 164   | Resp  | 360519 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 100.9 | 85.1  | 127.7  |
| 160       | 45.0  | 34.7  | 52.1   |

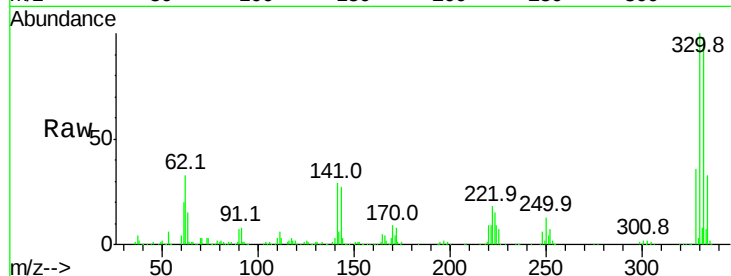




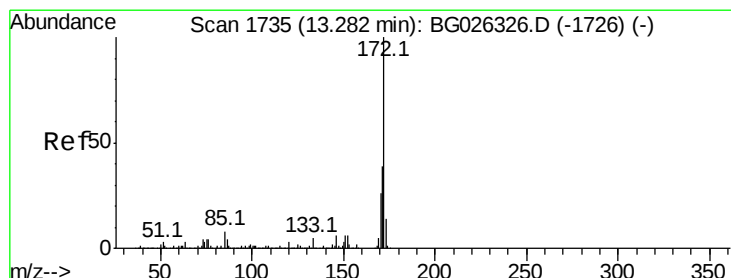
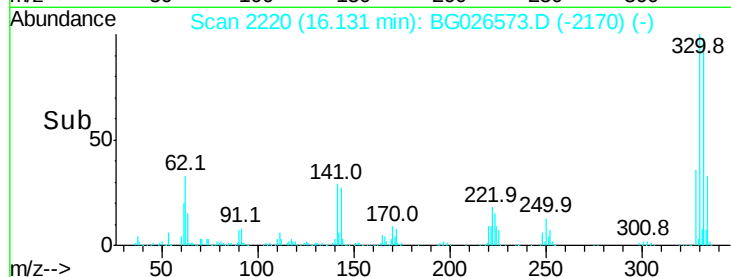
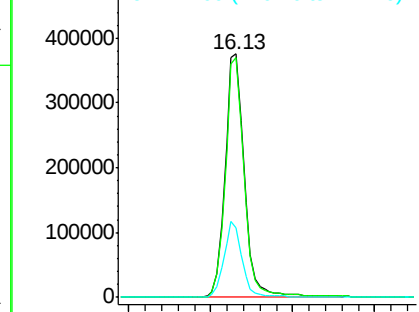
#41  
 2,4,6-Tribromophenol  
 Concen: 149.15 ng  
 RT: 16.13 min Scan# 2220  
 Delta R.T. -0.01 min  
 Lab File: BG026573.D  
 Acq: 6 Apr 2017 19:41

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB98108BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.3  | 77.3  | 115.9 |
| 141     | 29.5  | 32.1  | 48.1# |

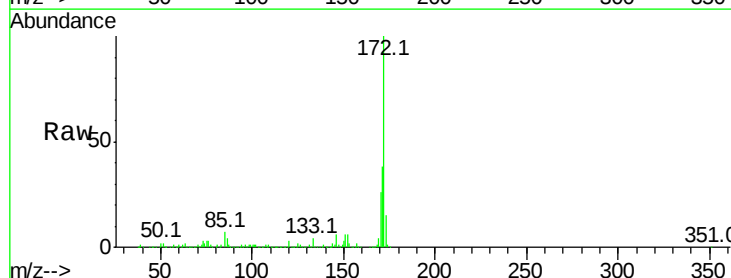


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

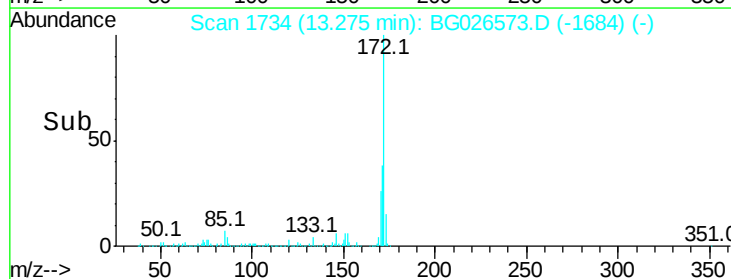
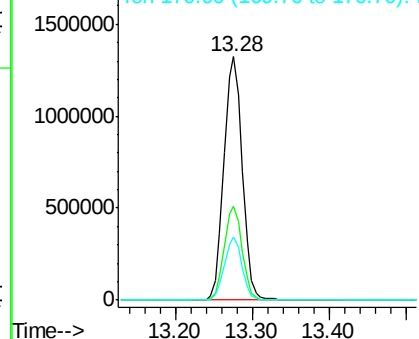


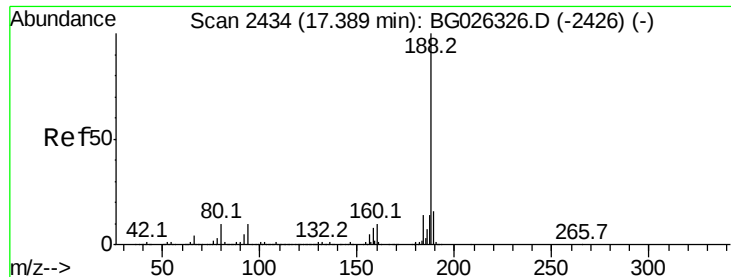
#44  
 2-Fluorobiphenyl  
 Concen: 84.79 ng  
 RT: 13.28 min Scan# 1734  
 Delta R.T. -0.01 min  
 Lab File: BG026573.D  
 Acq: 6 Apr 2017 19:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.4  | 32.2  | 48.2  |
| 170     | 25.9  | 21.8  | 32.6  |



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

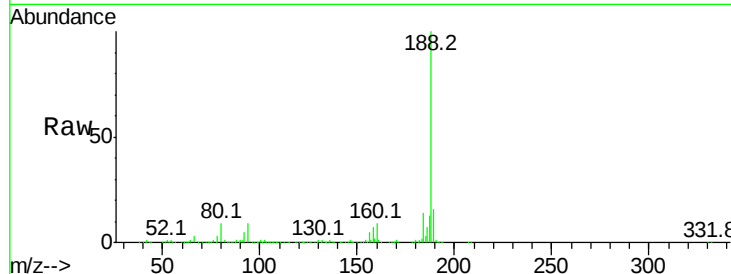




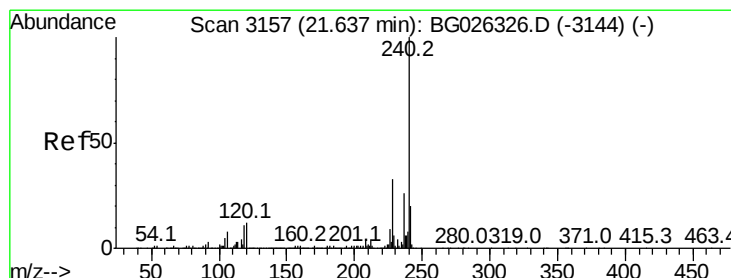
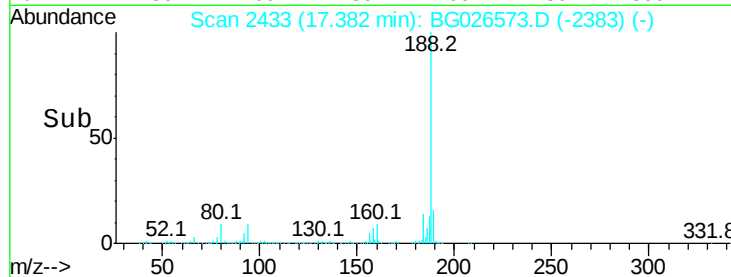
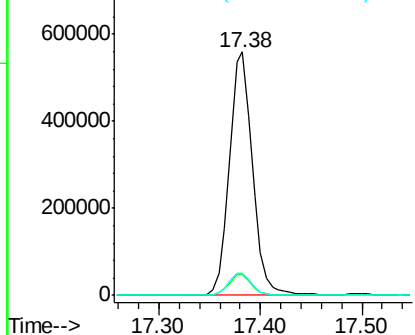
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.38 min Scan# 2433  
 Delta R.T. -0.01 min  
 Lab File: BG026573.D  
 Acq: 6 Apr 2017 19:41

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB98108BL

Tot Ion:188 Resp: 884177  
 Ion Ratio Lower Upper  
 188 100  
 94 8.6 5.8 8.8  
 80 9.2 7.5 11.3

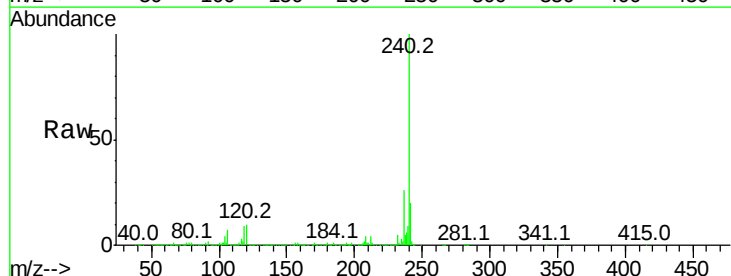


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BGC  
 Ion 80.00 (79.70 to 80.70): BGC

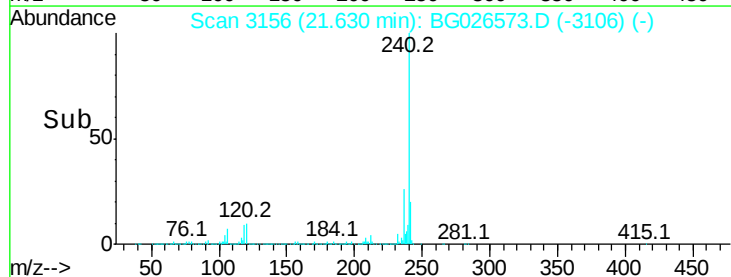
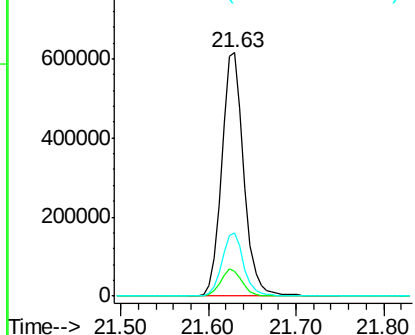


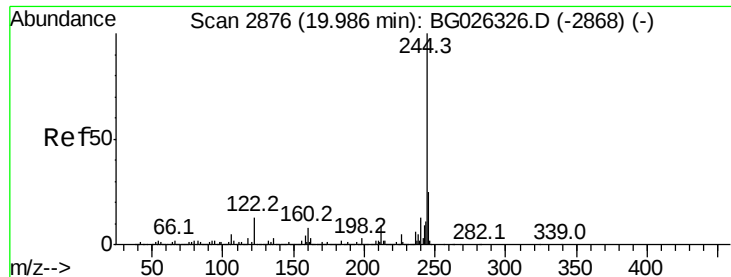
#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 21.63 min Scan# 3156  
 Delta R.T. -0.01 min  
 Lab File: BG026573.D  
 Acq: 6 Apr 2017 19:41

Tgt Ion:240 Resp: 1071224  
 Ion Ratio Lower Upper  
 240 100  
 120 10.1 5.7 8.5#  
 236 25.8 22.2 33.4



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





#78

Terphenyl-d14

Concen: 71.50 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.01 min

Lab File: BG026573.D

Acq: 6 Apr 2017 19:41

Instrument :

BNA\_G

ClientSampled :

PB98108BL

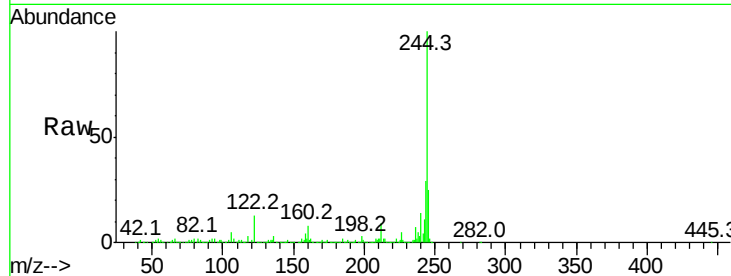
Tot Ion:244 Resp: 3153648

Ion Ratio Lower Upper

244 100

212 9.0 10.0 15.0#

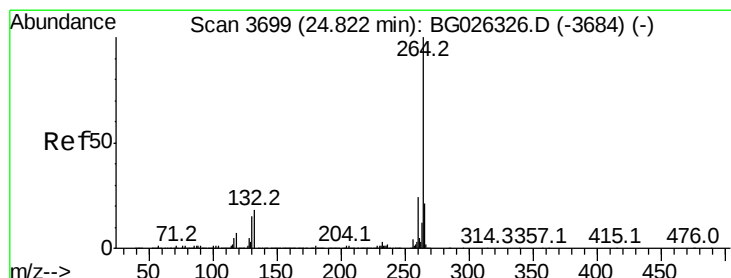
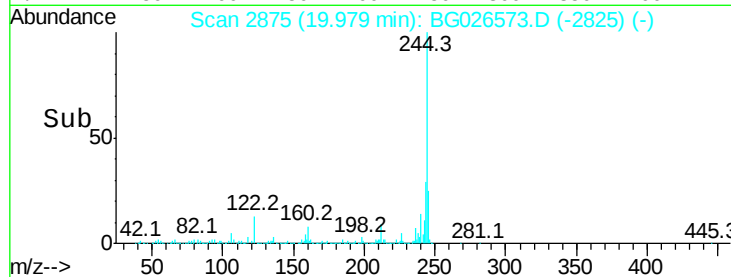
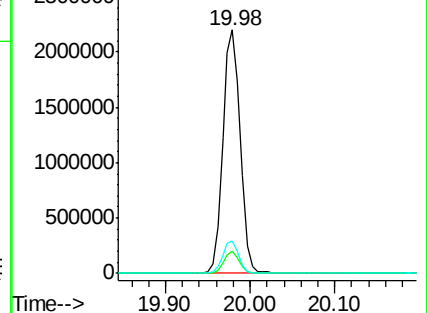
122 13.1 8.6 12.8#



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: 20.00 ng

RT: 24.81 min Scan# 3697

Delta R.T. -0.01 min

Lab File: BG026573.D

Acq: 6 Apr 2017 19:41

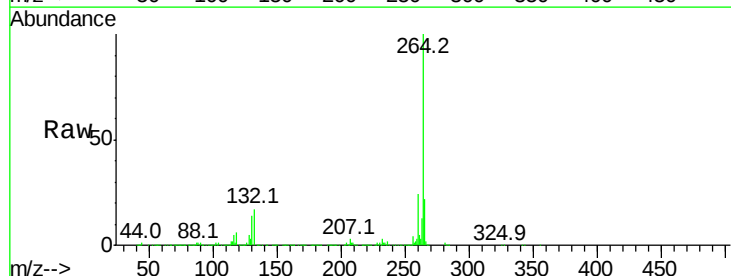
Tgt Ion:264 Resp: 1020327

Ion Ratio Lower Upper

264 100

260 24.0 21.8 32.8

265 22.2 18.2 27.4



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

