

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032017\  
 Data File : BG026338.D  
 Acq On : 20 Mar 2017 22:23  
 Operator : SJ/MA  
 Sample : PB97592BL  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB97592BL

Quant Time: Mar 21 01:14:11 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  | 114465   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.85 | 136  | 476800   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.65 | 164  | 268839   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.39 | 188  | 641836   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.63 | 240  | 809957   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 24.81 | 264  | 793963   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.62  | 112  | 986882   | 153.03 | ng    | 0.00     |
| 7) Phenol-d6                | 7.21  | 99   | 1289070  | 148.89 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.20  | 82   | 708565   | 89.36  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.13 | 330  | 475750   | 154.53 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.28 | 172  | 1828390  | 95.38  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.98 | 244  | 2660999  | 79.79  | ng    | 0.00     |

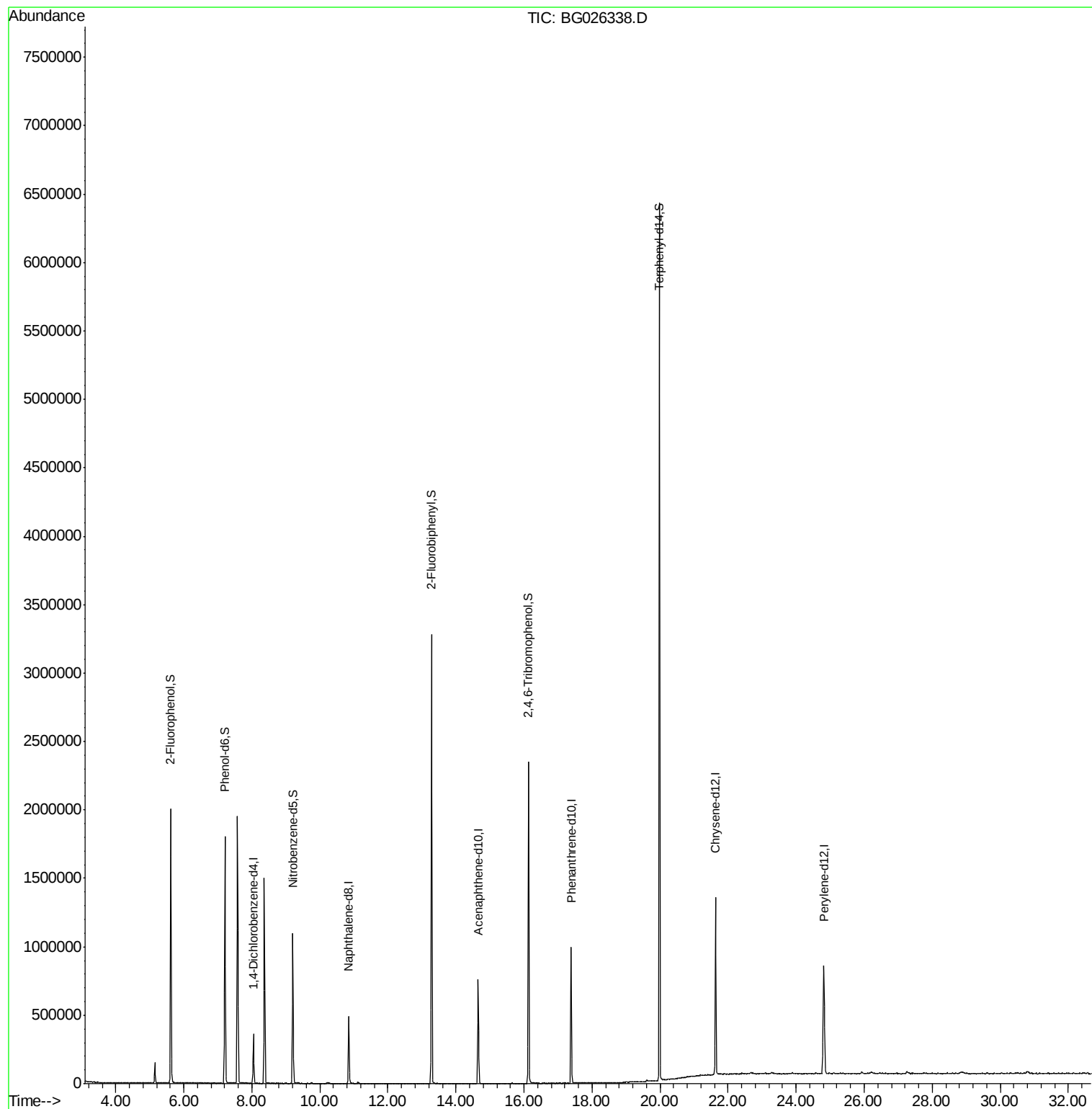
Target Compounds Qvalue

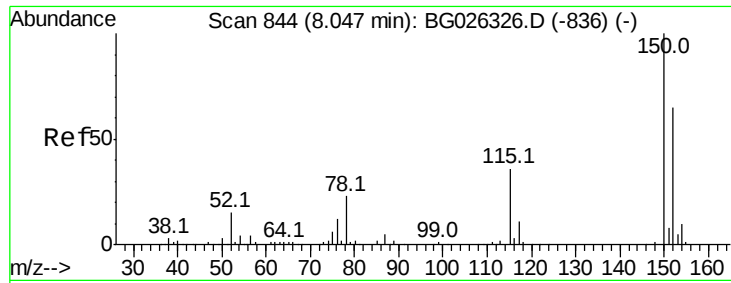
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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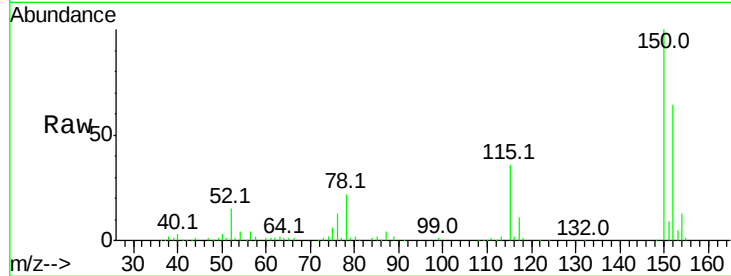


#1

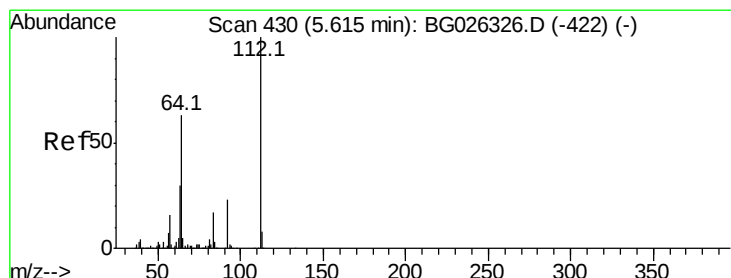
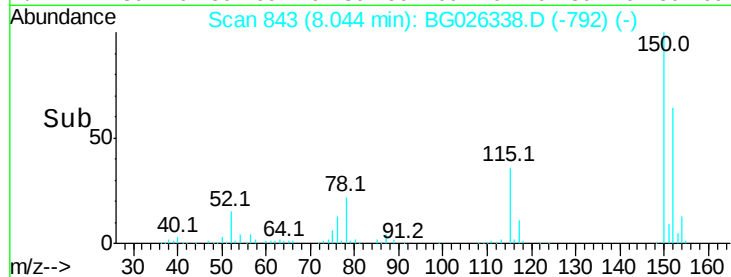
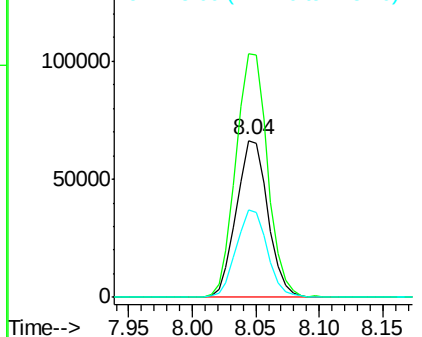
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.04 min Scan# 843  
Delta R.T. -0.00 min  
Lab File: BG026338.D  
Acq: 20 Mar 2017 22:23

Instrument :  
BNA\_G  
ClientSampleId :  
PB97592BL

Tot Ion:152 Resp: 114465  
Ion Ratio Lower Upper  
152 100  
150 155.3 114.0 171.0  
115 55.5 48.1 72.1



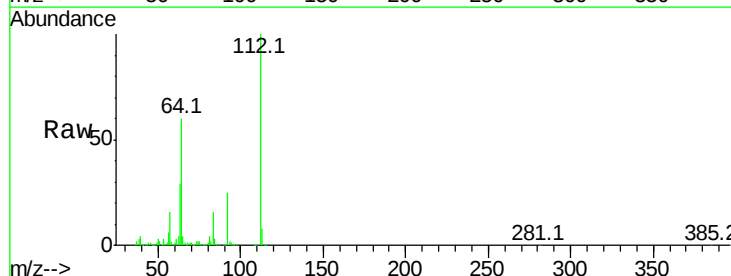
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



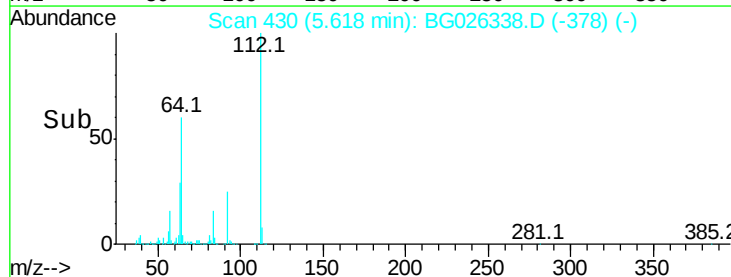
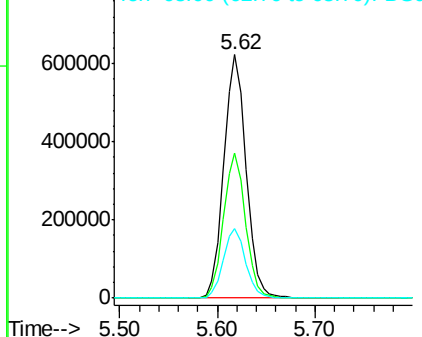
#5

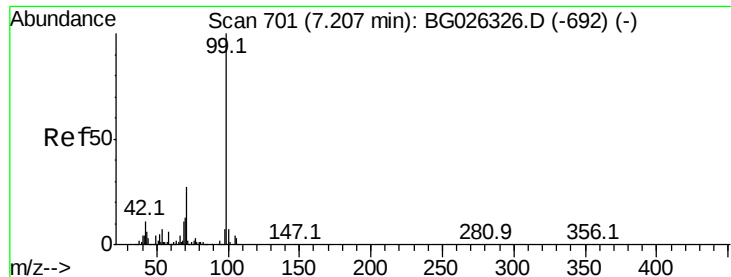
2-Fluorophenol  
Concen: 153.03 ng  
RT: 5.62 min Scan# 430  
Delta R.T. 0.00 min  
Lab File: BG026338.D  
Acq: 20 Mar 2017 22:23

Tgt Ion:112 Resp: 986882  
Ion Ratio Lower Upper  
112 100  
64 59.6 61.8 92.6#  
63 28.6 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: 148.89 ng

RT: 7.21 min Scan# 701

Delta R.T. 0.00 min

Lab File: BG026338.D

Acq: 20 Mar 2017 22:23

Instrument :

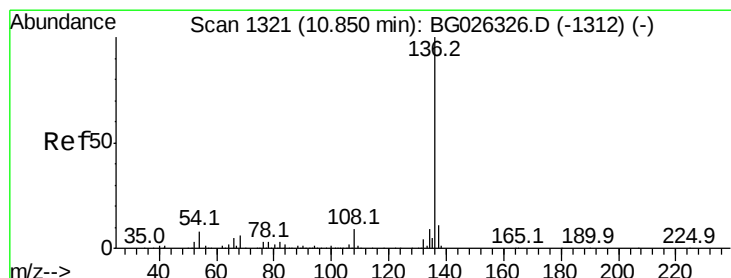
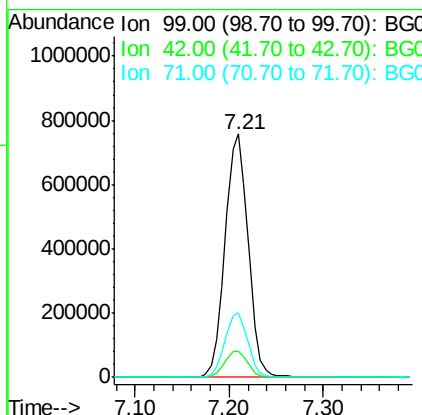
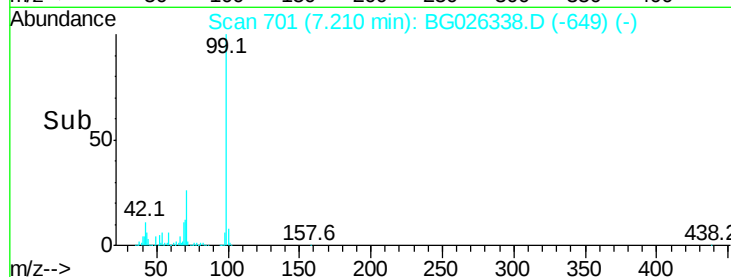
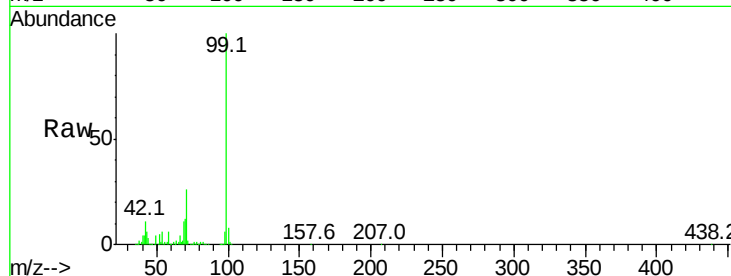
BNA\_G

ClientSampleId :

PB97592BL

Tot Ion: 99 Resp: 1289070

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 10.9  | 20.5  | 30.7# |
| 71  | 26.3  | 37.6  | 56.4# |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.85 min Scan# 1320

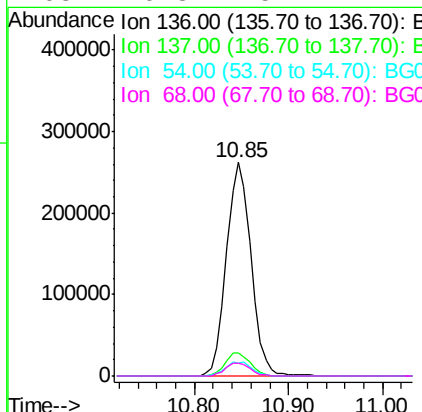
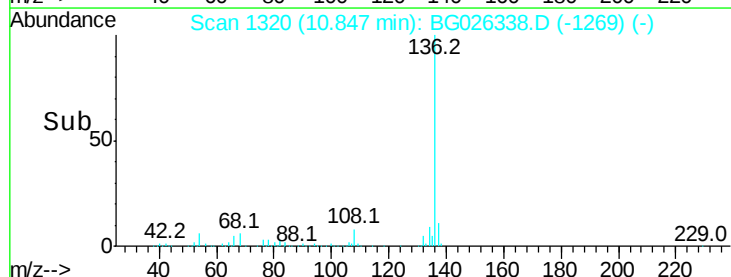
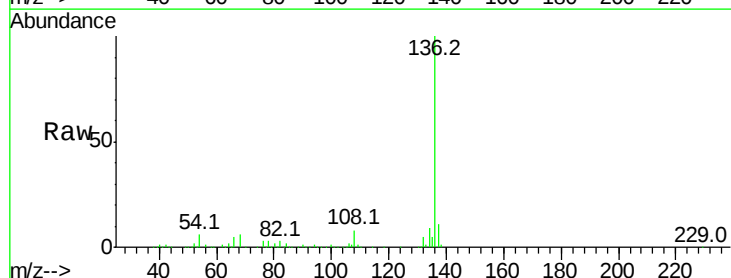
Delta R.T. -0.00 min

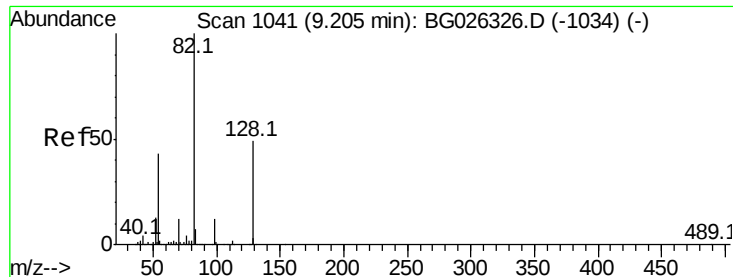
Lab File: BG026338.D

Acq: 20 Mar 2017 22:23

Tgt Ion: 136 Resp: 476800

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 8.9   | 13.3  |
| 54  | 6.3   | 9.3   | 13.9# |
| 68  | 6.3   | 5.1   | 7.7   |

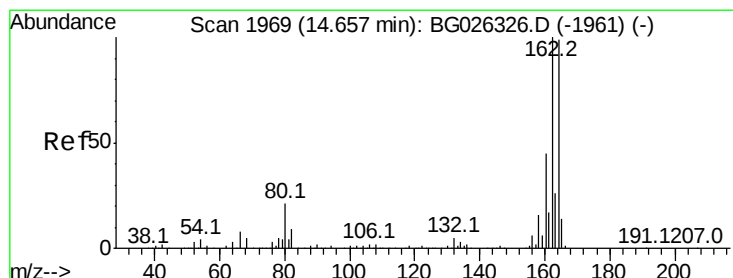
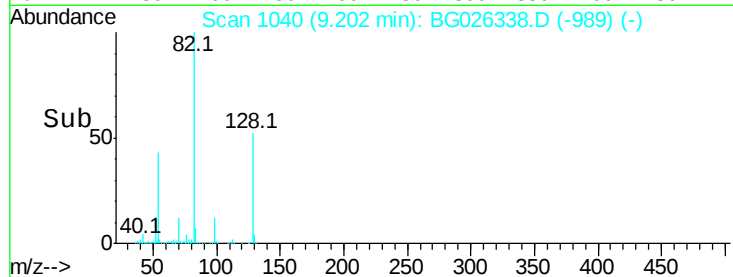
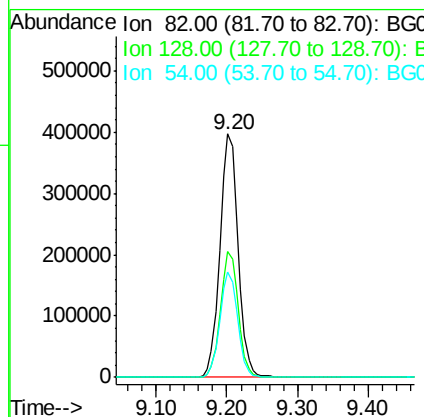
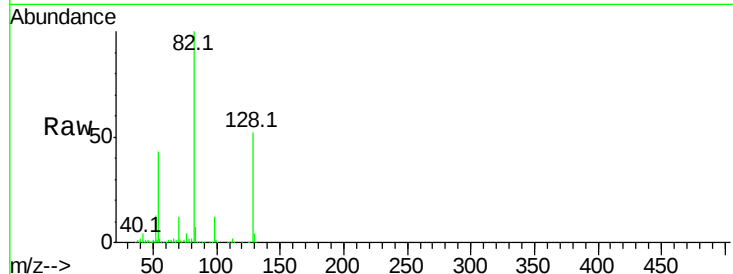




#23  
 Nitrobenzene-d5  
 Concen: 89.36 ng  
 RT: 9.20 min Scan# 1040  
 Delta R.T. -0.00 min  
 Lab File: BG026338.D  
 Acq: 20 Mar 2017 22:23

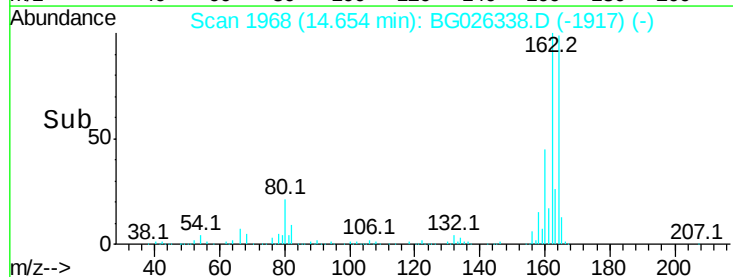
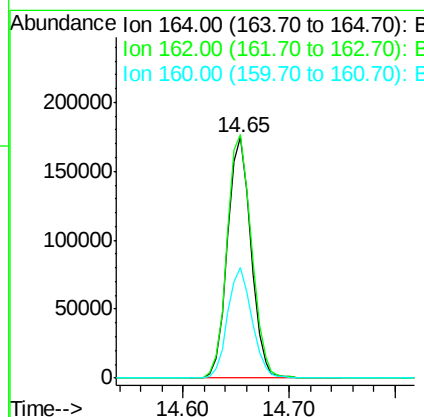
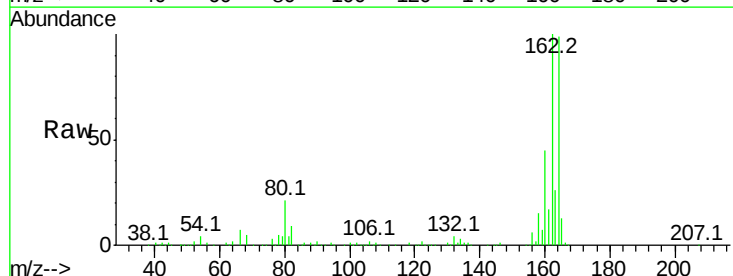
Instrument :  
 BNA\_G  
 ClientSampleID :  
 PB97592BL

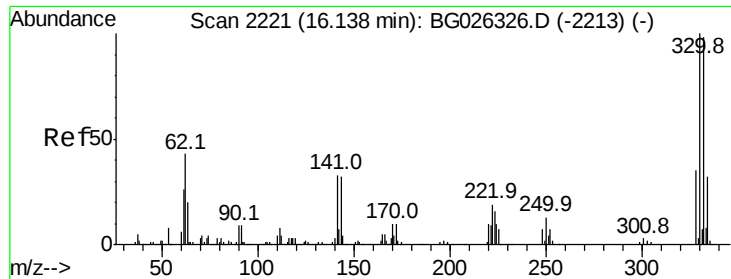
| Tot Ion   | 82    | Resp  | 708565 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 51.6  | 26.4  | 39.6#  |
| 54        | 43.3  | 49.4  | 74.2#  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.65 min Scan# 1968  
 Delta R.T. -0.00 min  
 Lab File: BG026338.D  
 Acq: 20 Mar 2017 22:23

| Tgt Ion   | 164   | Resp  | 268839 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 101.2 | 85.1  | 127.7  |
| 160       | 45.8  | 34.7  | 52.1   |

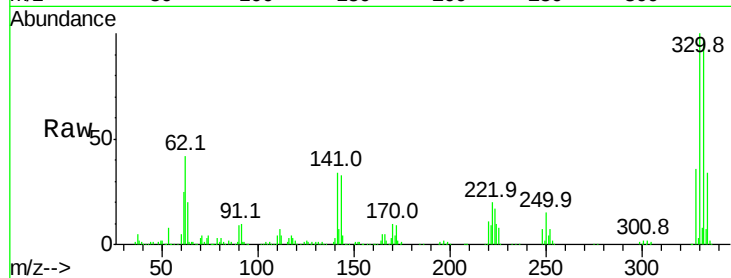




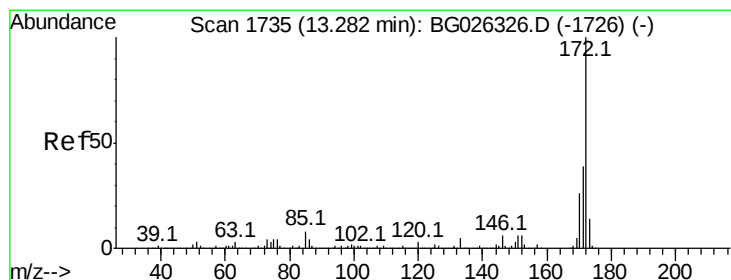
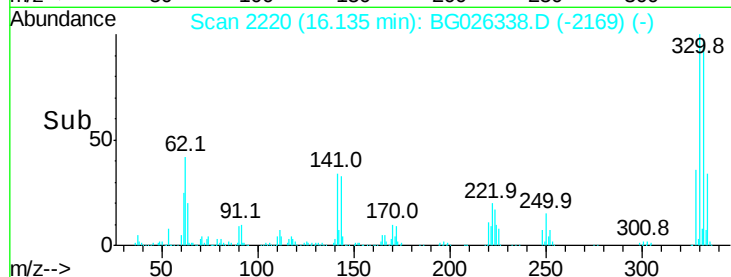
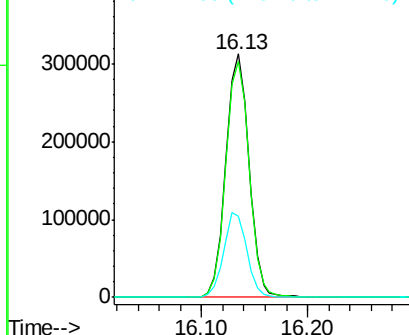
#41  
 2,4,6-Tribromophenol  
 Concen: 154.53 ng  
 RT: 16.13 min Scan# 2220  
 Delta R.T. -0.00 min  
 Lab File: BG026338.D  
 Acq: 20 Mar 2017 22:23

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB97592BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.9  | 77.3  | 115.9 |
| 141     | 35.1  | 32.1  | 48.1  |

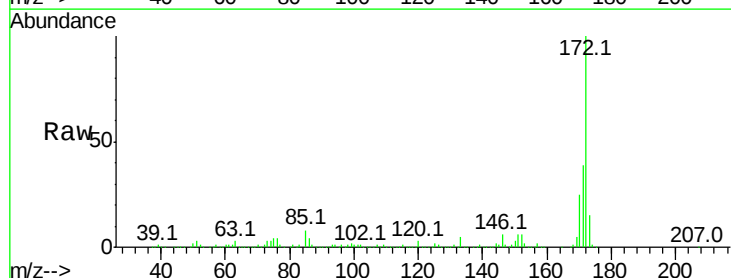


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

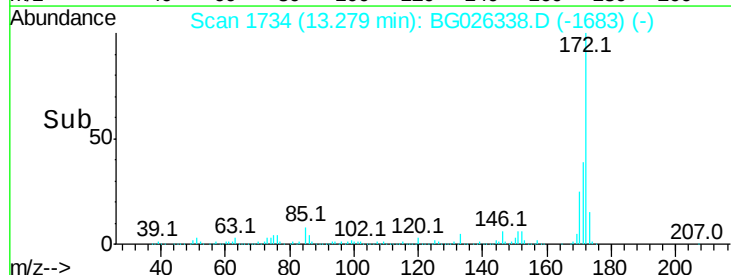
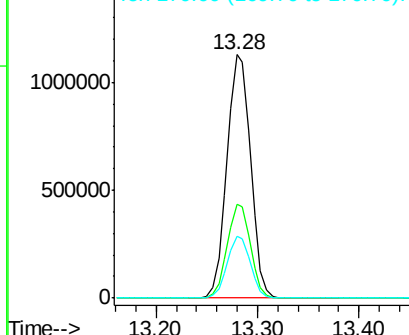


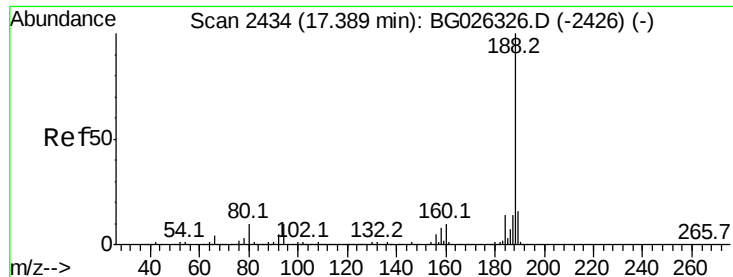
#44  
 2-Fluorobiphenyl  
 Concen: 95.38 ng  
 RT: 13.28 min Scan# 1734  
 Delta R.T. -0.00 min  
 Lab File: BG026338.D  
 Acq: 20 Mar 2017 22:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.5  | 32.2  | 48.2  |
| 170     | 25.4  | 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

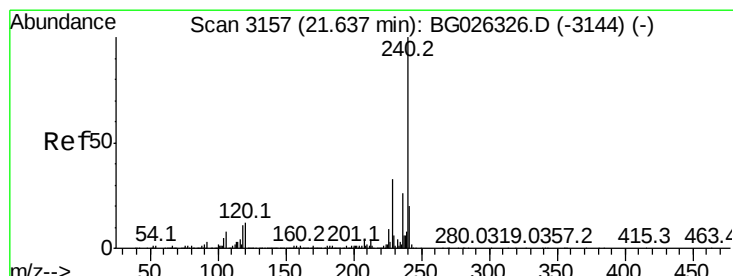
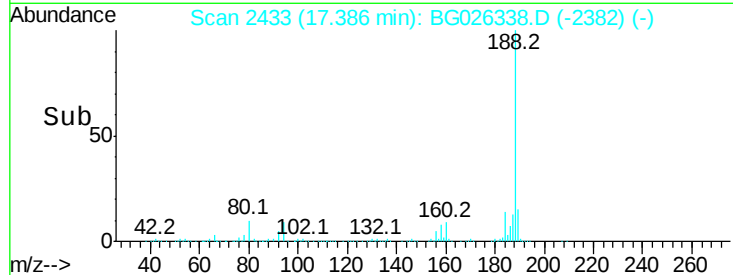
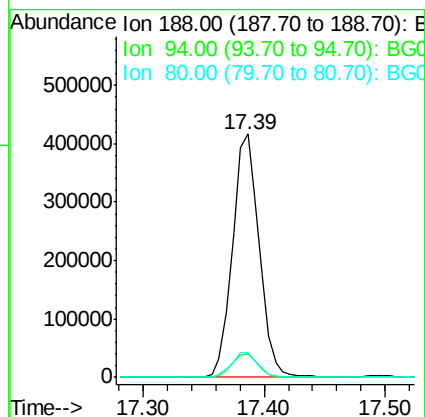
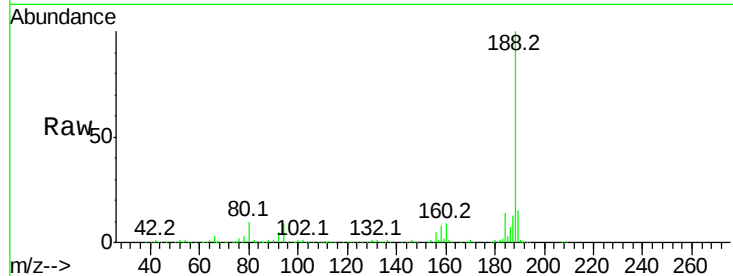




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.39 min Scan# 2433  
Delta R.T. -0.00 min  
Lab File: BG026338.D  
Acq: 20 Mar 2017 22:23

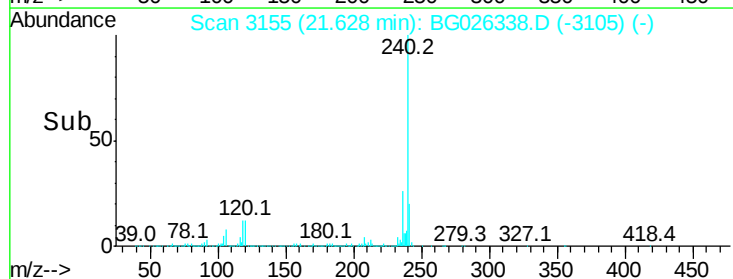
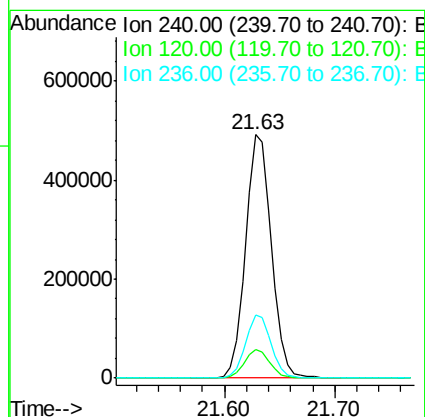
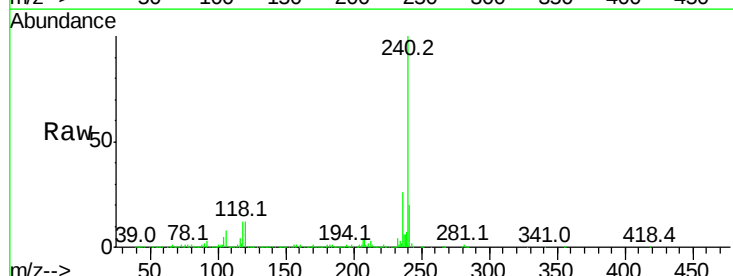
Instrument :  
BNA\_G  
ClientSampled :  
PB97592BL

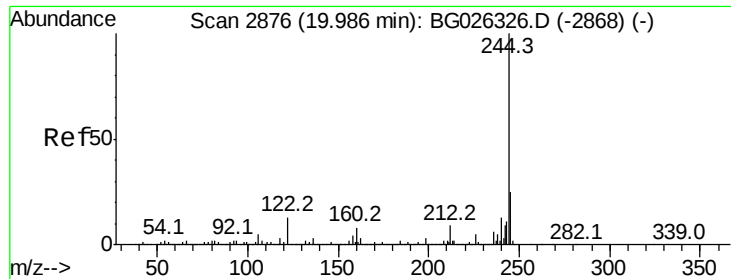
Tot Ion:188 Resp: 641836  
Ion Ratio Lower Upper  
188 100  
94 9.4 5.8 8.8#  
80 10.2 7.5 11.3



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.63 min Scan# 3155  
Delta R.T. -0.01 min  
Lab File: BG026338.D  
Acq: 20 Mar 2017 22:23

Tgt Ion:240 Resp: 809957  
Ion Ratio Lower Upper  
240 100  
120 11.6 5.7 8.5#  
236 26.0 22.2 33.4





#78

Terphenyl-d14

Concen: 79.79 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.00 min

Lab File: BG026338.D

Acq: 20 Mar 2017 22:23

Instrument :

BNA\_G

ClientSampleId :

PB97592BL

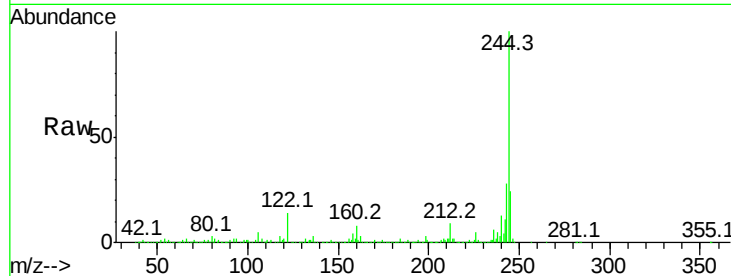
Tot Ion:244 Resp: 2660999

Ion Ratio Lower Upper

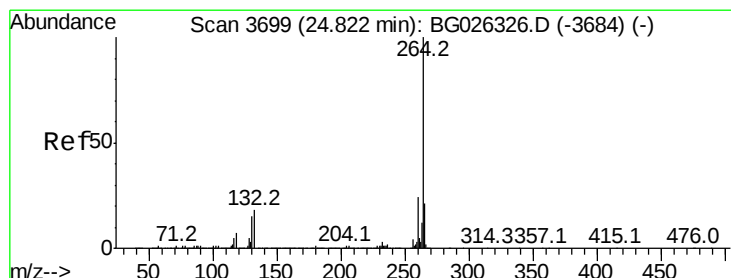
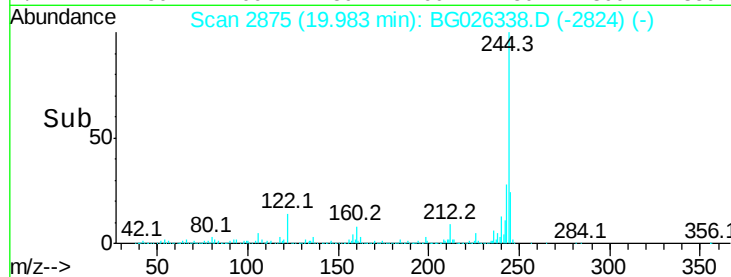
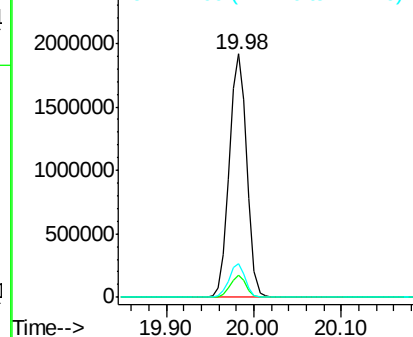
244 100

212 9.0 10.0 15.0#

122 14.0 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: BG026338.D

Acq: 20 Mar 2017 22:23

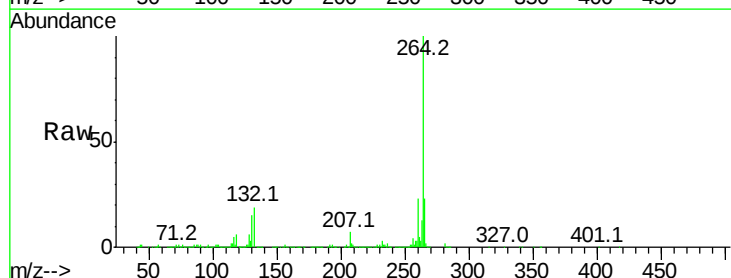
Tgt Ion:264 Resp: 793963

Ion Ratio Lower Upper

264 100

260 23.5 21.8 32.8

265 22.7 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

