

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032517\  
 Data File : BG026421.D  
 Acq On : 24 Mar 2017 19:11  
 Operator : SJ/MA  
 Sample : PB97800BL  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB97800BL

Quant Time: Mar 24 23:10:18 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   | 8.05  | 152  | 146849   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.84 | 136  | 589003   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.65 | 164  | 335224   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.38 | 188  | 834735   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.62 | 240  | 1058469  | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 24.81 | 264  | 970508   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.62  | 112  | 1144616  | 138.35 | ng    | 0.00     |
| 7) Phenol-d6                | 7.21  | 99   | 1439561  | 129.60 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.20  | 82   | 755826   | 77.16  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.13 | 330  | 618721   | 161.17 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.28 | 172  | 2113065  | 88.40  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.98 | 244  | 3233014  | 74.18  | ng    | 0.00     |

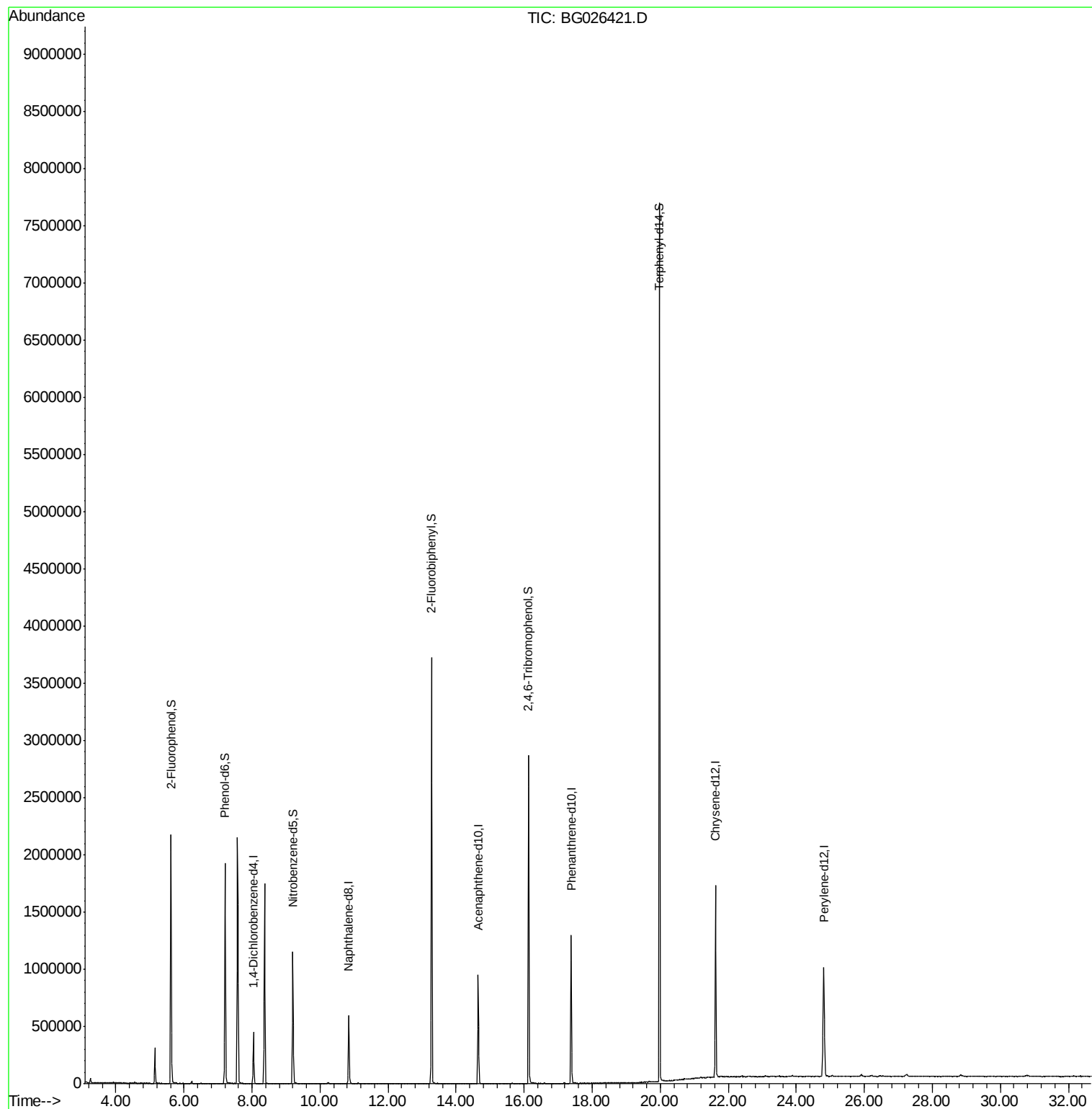
Target Compounds Qvalue

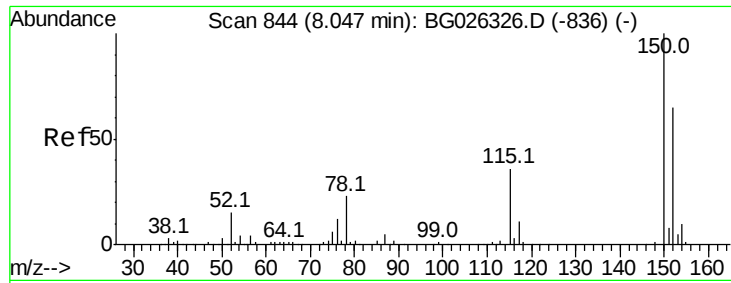
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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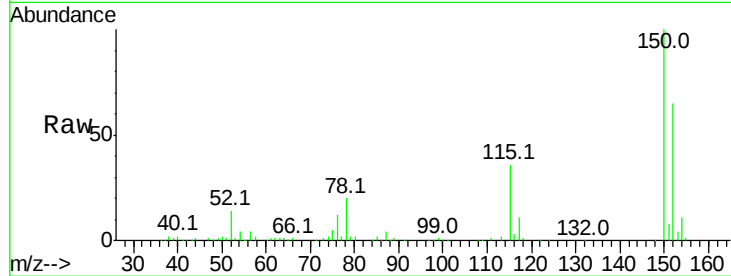


#1

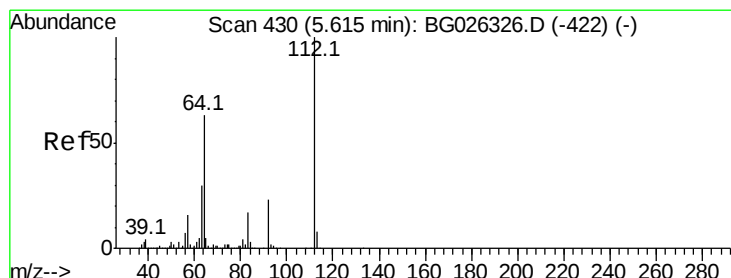
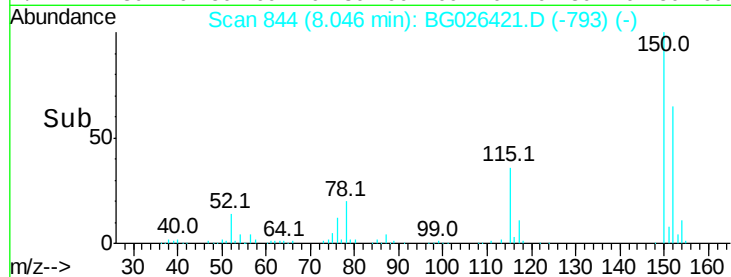
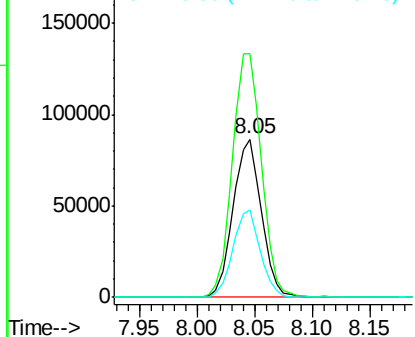
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.05 min Scan# 844  
Delta R.T. -0.00 min  
Lab File: BG026421.D  
Acq: 24 Mar 2017 19:11

Instrument :  
BNA\_G  
ClientSampleId :  
PB97800BL

Tot Ion:152 Resp: 146849  
Ion Ratio Lower Upper  
152 100  
150 153.8 114.0 171.0  
115 55.3 48.1 72.1



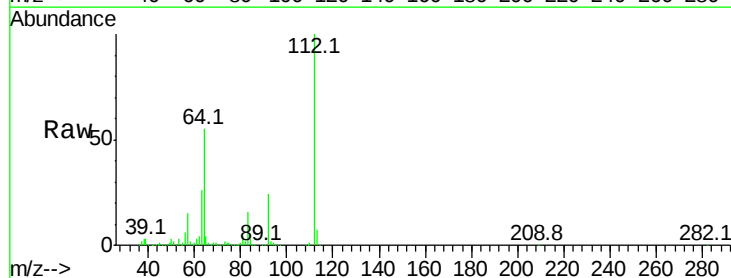
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



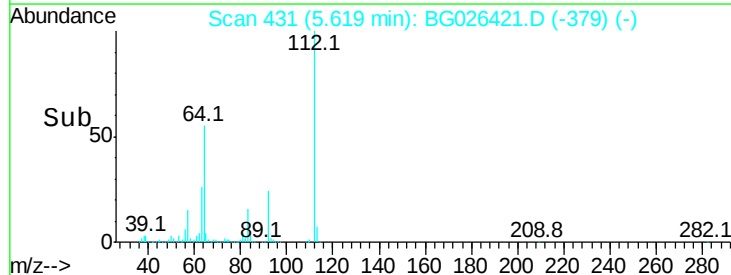
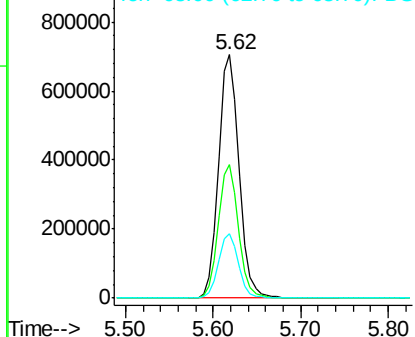
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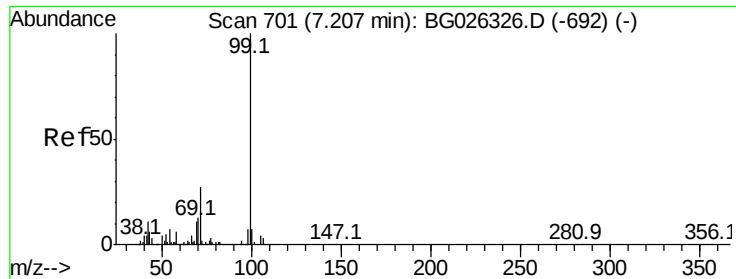
2-Fluorophenol  
Concen: 138.35 ng  
RT: 5.62 min Scan# 431  
Delta R.T. 0.00 min  
Lab File: BG026421.D  
Acq: 24 Mar 2017 19:11

Tgt Ion:112 Resp: 1144616  
Ion Ratio Lower Upper  
112 100  
64 55.0 61.8 92.6#  
63 26.4 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: 129.60 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG026421.D

Acq: 24 Mar 2017 19:11

Instrument :

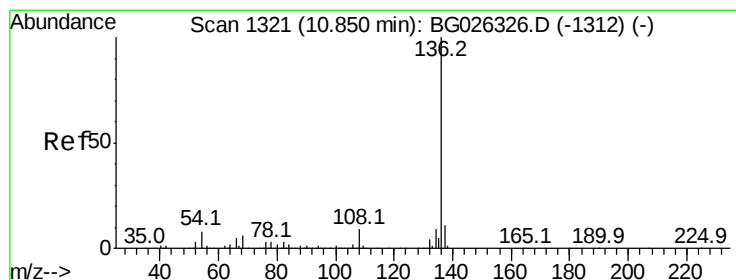
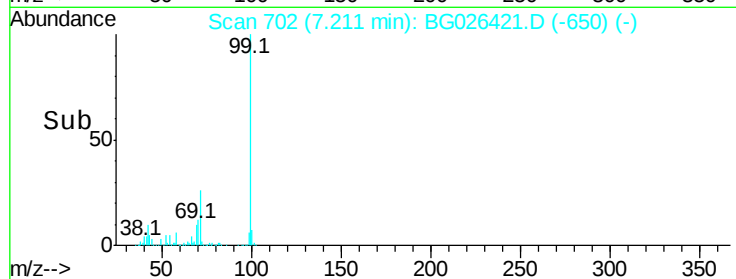
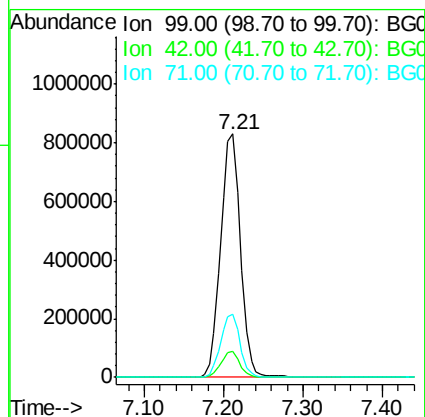
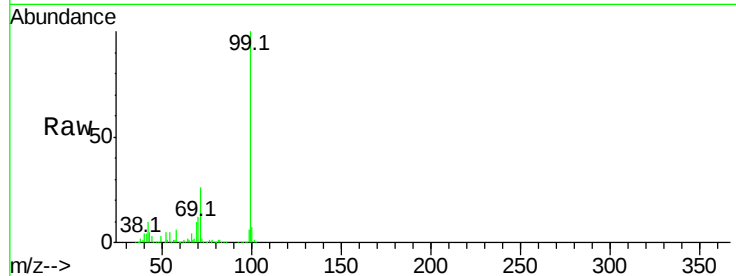
BNA\_G

ClientSampleId :

PB97800BL

Tot Ion: 99 Resp: 1439561

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 10.5  | 20.5  | 30.7# |
| 71  | 25.9  | 37.6  | 56.4# |



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.84 min Scan# 1320

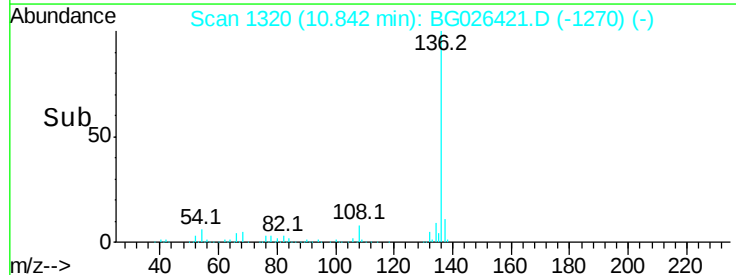
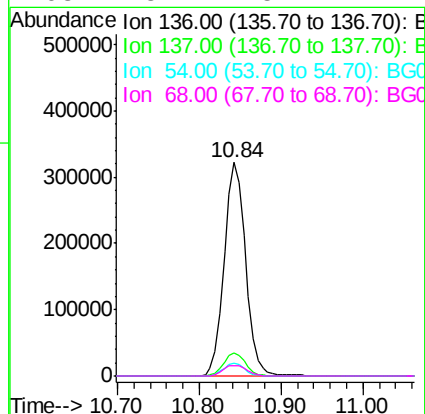
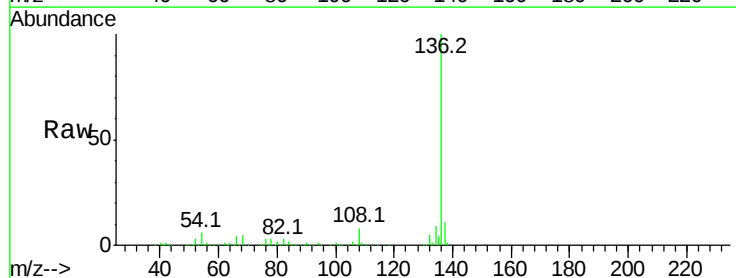
Delta R.T. -0.01 min

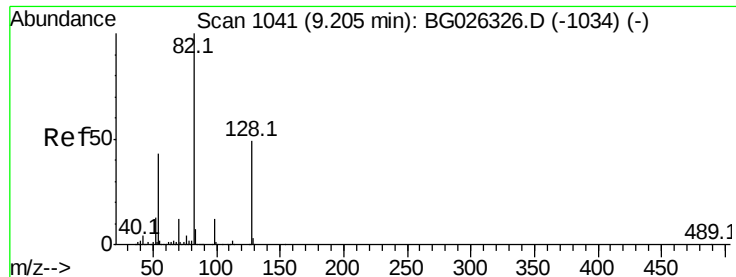
Lab File: BG026421.D

Acq: 24 Mar 2017 19:11

Tgt Ion: 136 Resp: 589003

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.7  | 8.9   | 13.3  |
| 54  | 6.2   | 9.3   | 13.9# |
| 68  | 5.1   | 5.1   | 7.7#  |

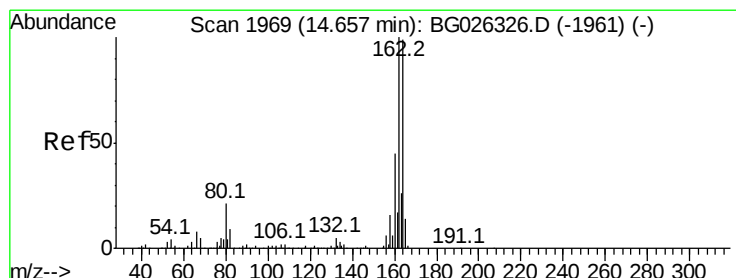
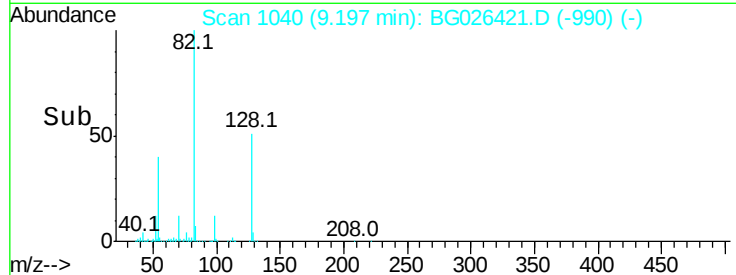
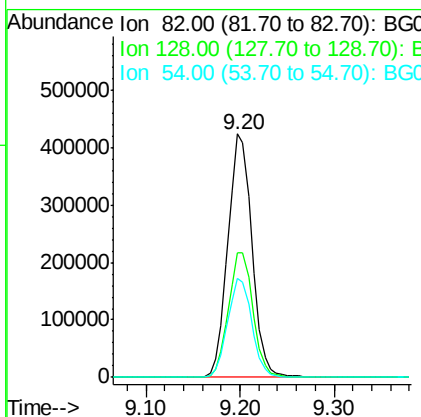
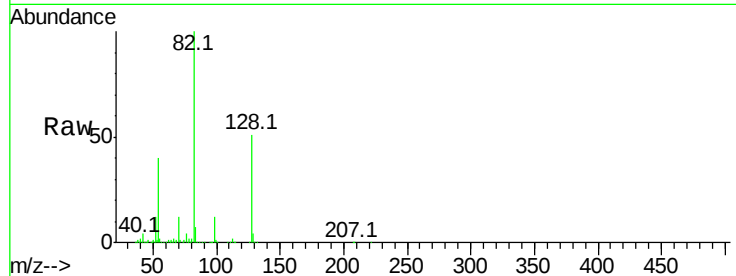




#23  
 Nitrobenzene-d5  
 Concen: 77.16 ng  
 RT: 9.20 min Scan# 1040  
 Delta R.T. -0.01 min  
 Lab File: BG026421.D  
 Acq: 24 Mar 2017 19:11

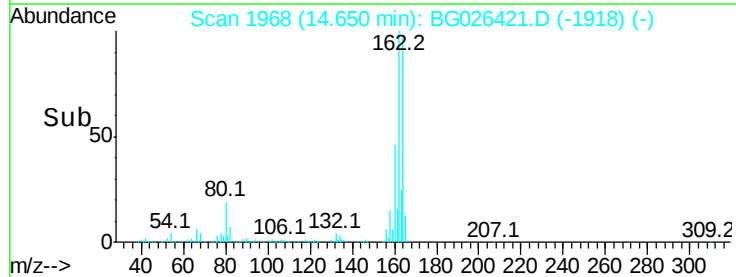
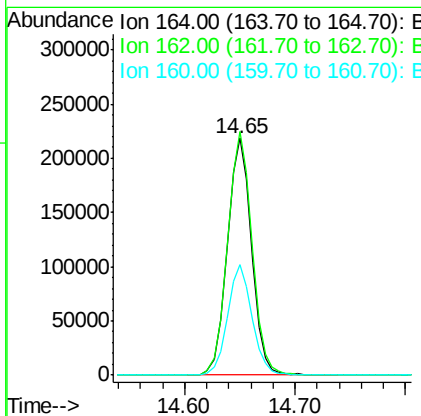
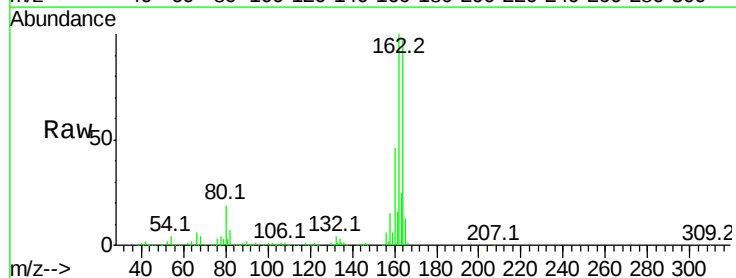
Instrument :  
 BNA\_G  
 ClientSampled :  
 PB97800BL

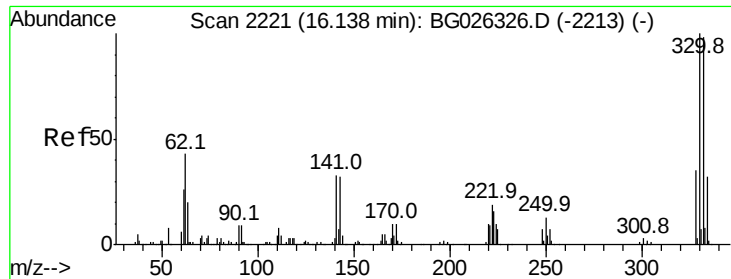
Tot Ion: 82 Resp: 755826  
 Ion Ratio Lower Upper  
 82 100  
 128 51.4 26.4 39.6#  
 54 40.4 49.4 74.2#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.65 min Scan# 1968  
 Delta R.T. -0.01 min  
 Lab File: BG026421.D  
 Acq: 24 Mar 2017 19:11

Tgt Ion: 164 Resp: 335224  
 Ion Ratio Lower Upper  
 164 100  
 162 102.8 85.1 127.7  
 160 46.8 34.7 52.1

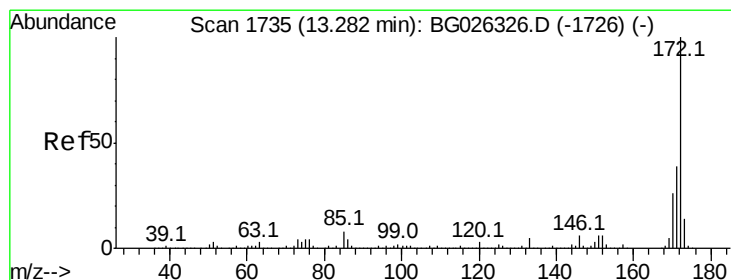
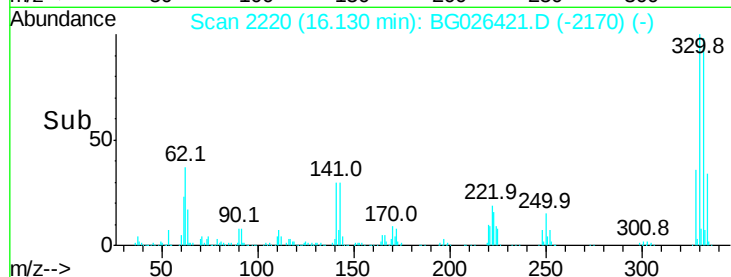
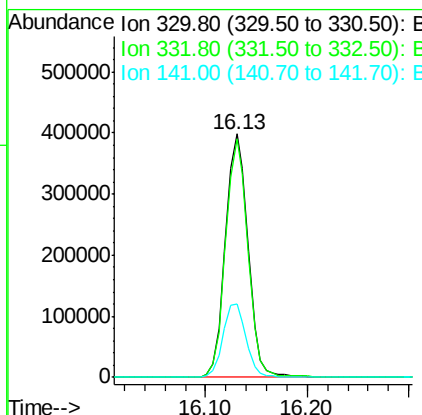
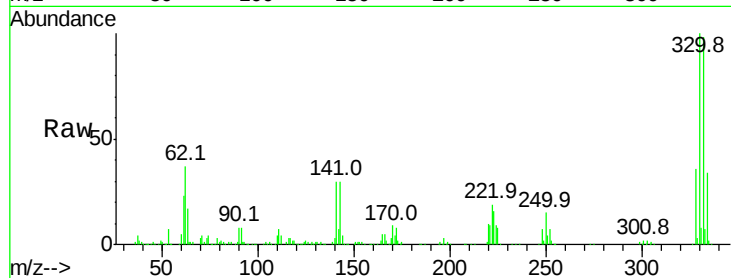




#41  
 2,4,6-Tribromophenol  
 Concen: 161.17 ng  
 RT: 16.13 min Scan# 2220  
 Delta R.T. -0.01 min  
 Lab File: BG026421.D  
 Acq: 24 Mar 2017 19:11

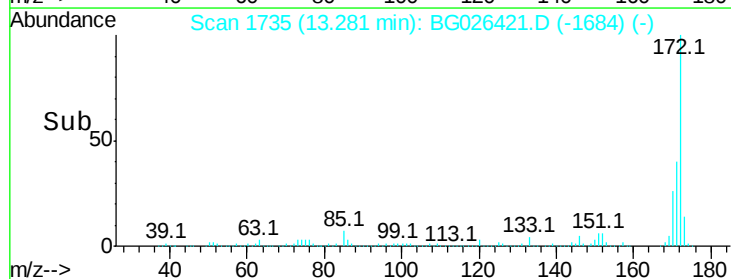
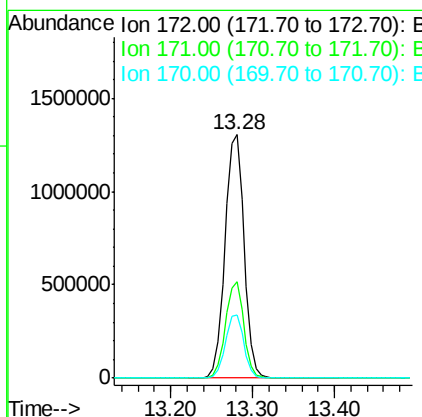
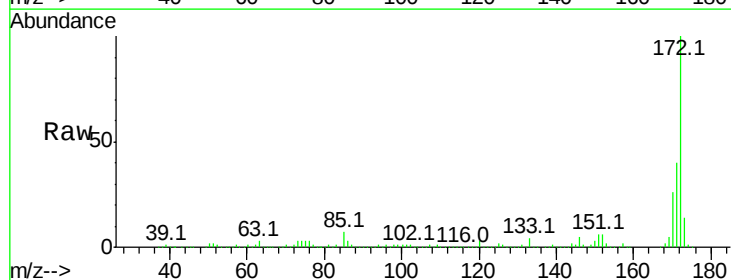
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB97800BL

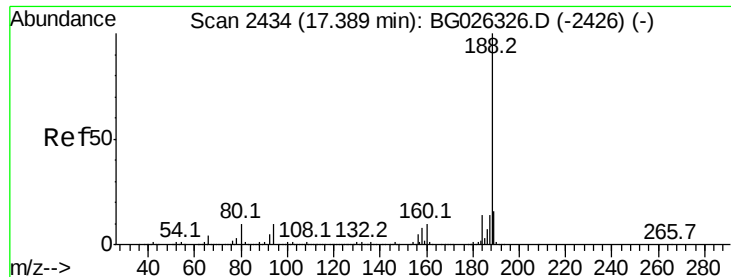
Tot Ion:330 Resp: 618721  
 Ion Ratio Lower Upper  
 330 100  
 332 96.8 77.3 115.9  
 141 30.6 32.1 48.1#



#44  
 2-Fluorobiphenyl  
 Concen: 88.40 ng  
 RT: 13.28 min Scan# 1735  
 Delta R.T. -0.00 min  
 Lab File: BG026421.D  
 Acq: 24 Mar 2017 19:11

Tgt Ion:172 Resp: 2113065  
 Ion Ratio Lower Upper  
 172 100  
 171 39.6 32.2 48.2  
 170 26.1 21.8 32.6

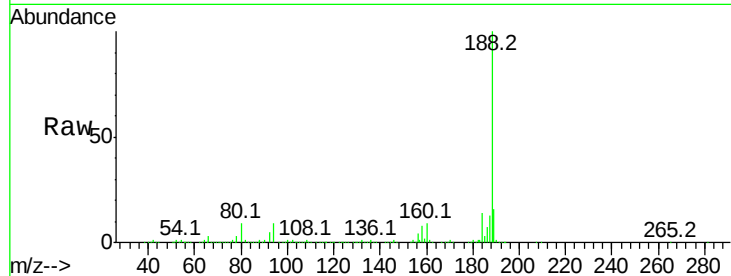




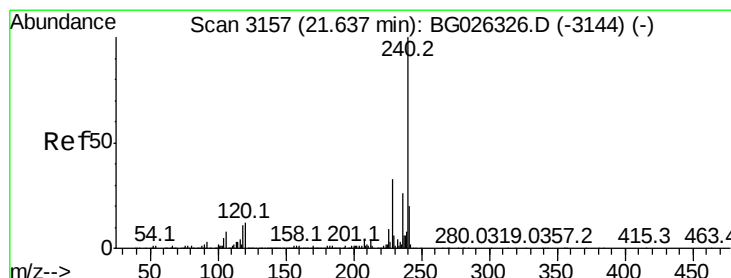
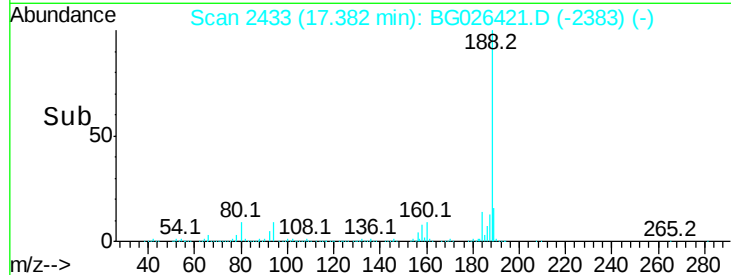
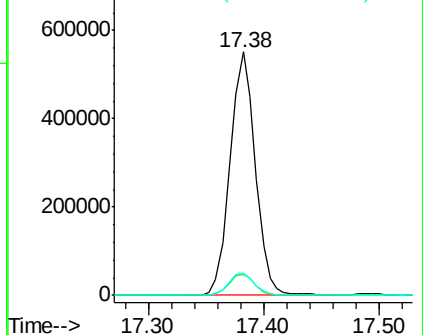
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.38 min Scan# 2433  
Delta R.T. -0.01 min  
Lab File: BG026421.D  
Acq: 24 Mar 2017 19:11

Instrument :  
BNA\_G  
ClientSampleId :  
PB97800BL

Tot Ion:188 Resp: 834735  
Ion Ratio Lower Upper  
188 100  
94 8.6 5.8 8.8  
80 8.9 7.5 11.3

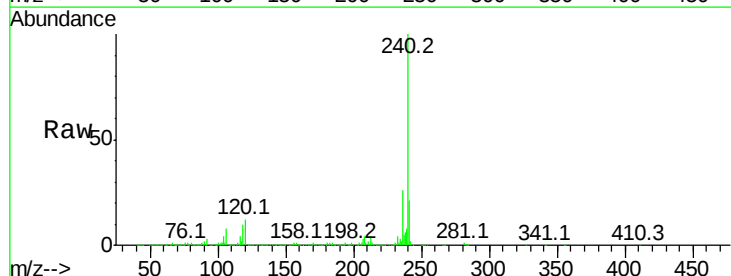


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

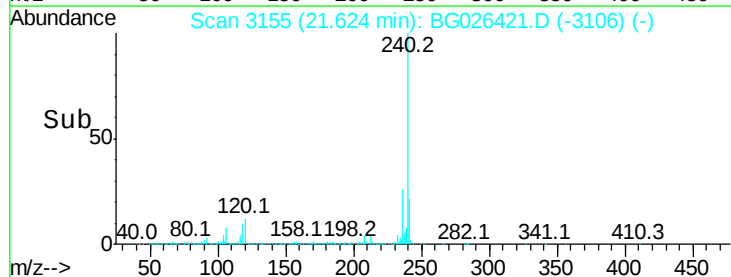
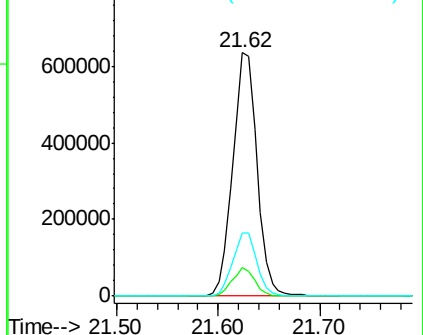


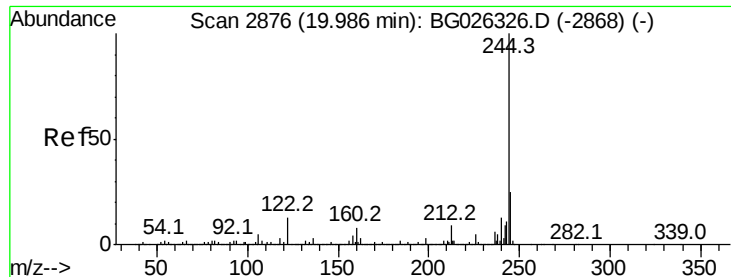
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.62 min Scan# 3155  
Delta R.T. -0.01 min  
Lab File: BG026421.D  
Acq: 24 Mar 2017 19:11

Tgt Ion:240 Resp: 1058469  
Ion Ratio Lower Upper  
240 100  
120 11.7 5.7 8.5#  
236 26.0 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: 74.18 ng

RT: 19.98 min Scan# 2875

Delta R.T. -0.01 min

Lab File: BG026421.D

Acq: 24 Mar 2017 19:11

Instrument :

BNA\_G

ClientSampleId :

PB97800BL

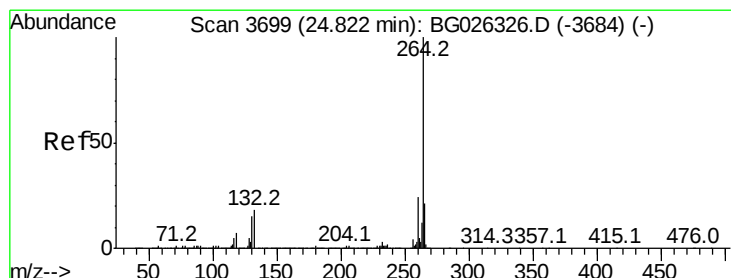
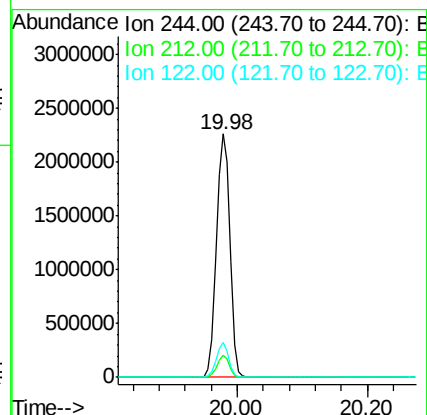
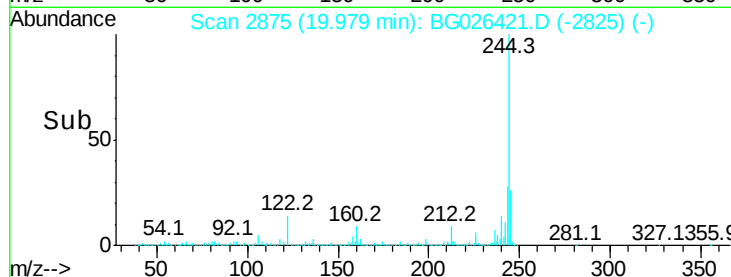
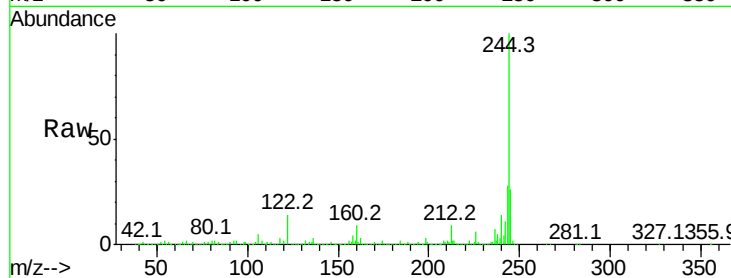
Tot Ion:244 Resp: 3233014

Ion Ratio Lower Upper

244 100

212 9.2 10.0 15.0#

122 14.1 8.6 12.8#



#86

Perylene-d12

Concen: 20.00 ng

RT: 24.81 min Scan# 3697

Delta R.T. -0.01 min

Lab File: BG026421.D

Acq: 24 Mar 2017 19:11

Tgt Ion:264 Resp: 970508

Ion Ratio Lower Upper

264 100

260 24.5 21.8 32.8

265 22.5 18.2 27.4

