

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062616\  
 Data File : BG022610.D  
 Acq On : 26 Jun 2016 14:45  
 Operator : UM/SJ  
 Sample : H3738-02  
 Misc :  
 ALS Vial : 65 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 27 01:10:50 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG062516.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 24 20:14:59 2016  
 Response via : Initial Calibration

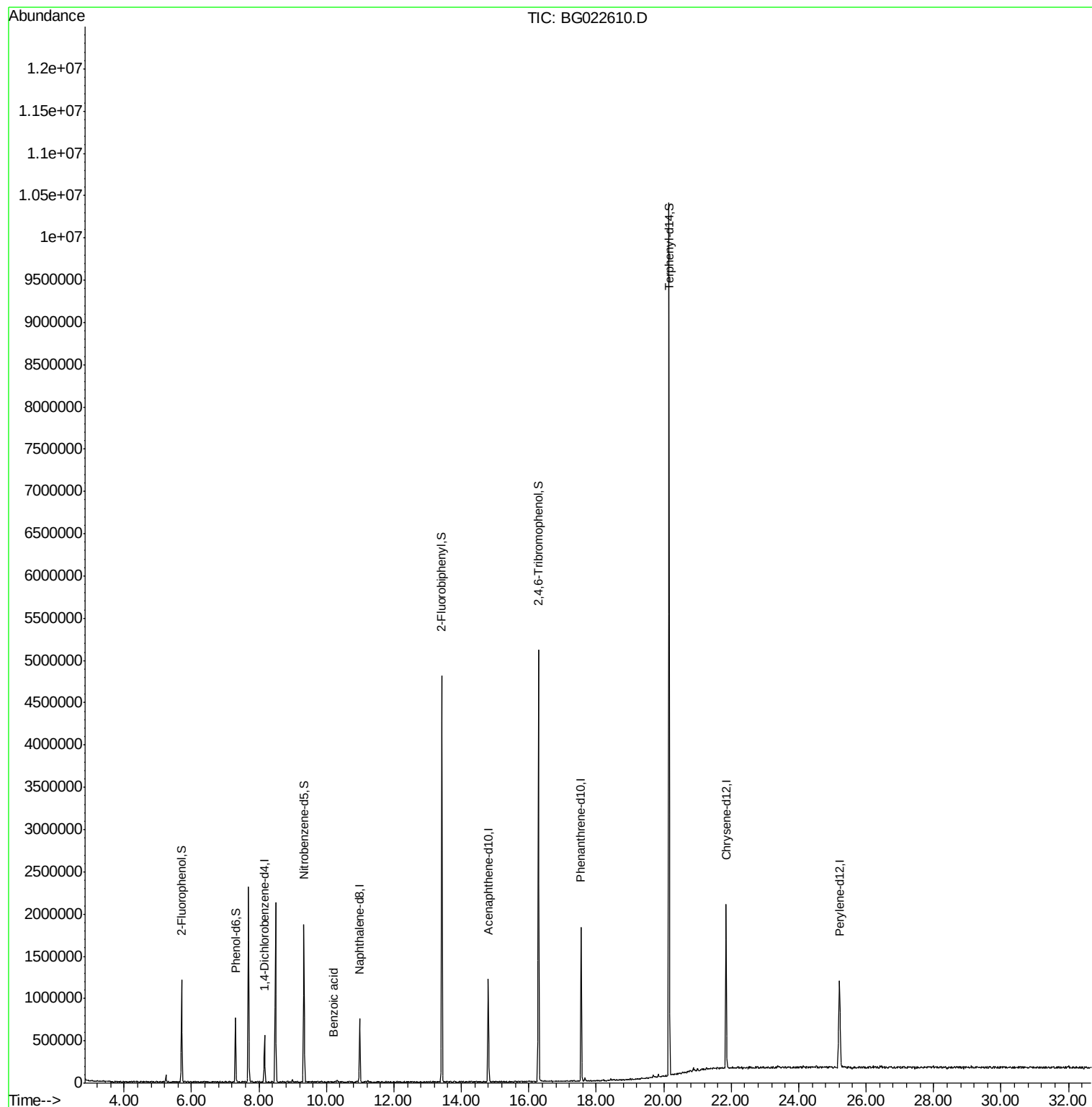
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.17  | 152  | 144557   | 20.00  | ng    | 0.00          |
| 21) Naphthalene-d8          | 10.99 | 136  | 587567   | 20.00  | ng    | 0.00          |
| 38) Acenaphthene-d10        | 14.80 | 164  | 418162   | 20.00  | ng    | 0.00          |
| 63) Phenanthrene-d10        | 17.55 | 188  | 1115087  | 20.00  | ng    | 0.00          |
| 75) Chrysene-d12            | 21.85 | 240  | 1264234  | 20.00  | ng    | 0.00          |
| 86) Perylene-d12            | 25.21 | 264  | 1263516  | 20.00  | ng    | 0.00          |
| System Monitoring Compounds |       |      |          |        |       |               |
| 5) 2-Fluorophenol           | 5.71  | 112  | 484927   | 53.81  | ng    | 0.00          |
| 7) Phenol-d6                | 7.30  | 99   | 427690   | 33.67  | ng    | 0.00          |
| 23) Nitrobenzene-d5         | 9.33  | 82   | 1210050  | 87.16  | ng    | 0.00          |
| 41) 2,4,6-Tribromophenol    | 16.29 | 330  | 943363   | 143.43 | ng    | 0.00          |
| 44) 2-Fluorobiphenyl        | 13.42 | 172  | 2293639  | 86.99  | ng    | 0.00          |
| 78) Terphenyl-d14           | 20.16 | 244  | 3422774  | 71.73  | ng    | 0.00          |
| Target Compounds            |       |      |          |        |       |               |
| 32) Benzoic acid            | 10.21 | 122  | 120      | 5.13   | ng    | Qvalue<br># 1 |

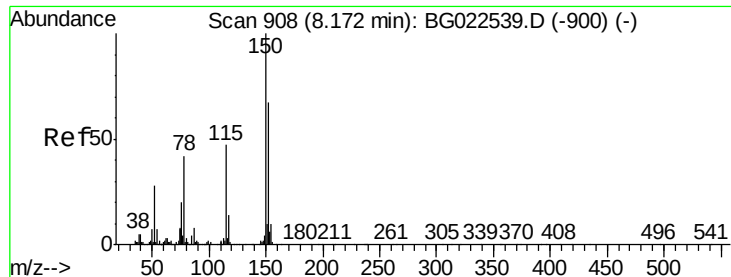
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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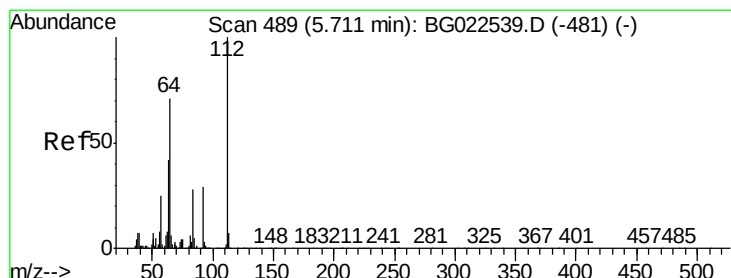
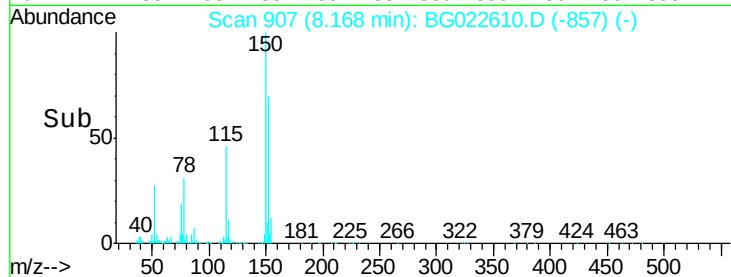
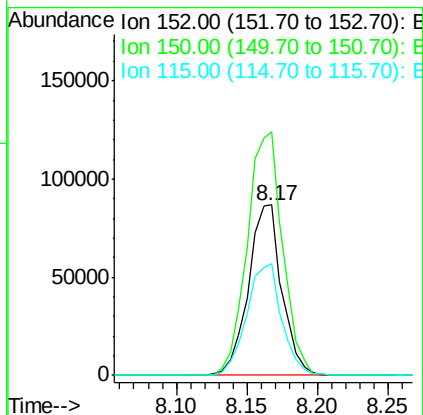
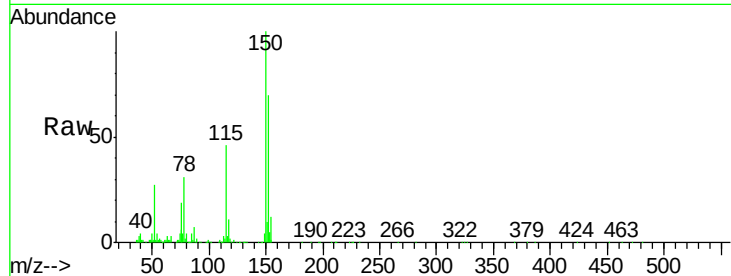


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.17 min Scan# 907  
Delta R.T. -0.01 min  
Lab File: BG022610.D  
Acq: 26 Jun 2016 14:45

Instrument :  
BNA\_G  
ClientSampleId :

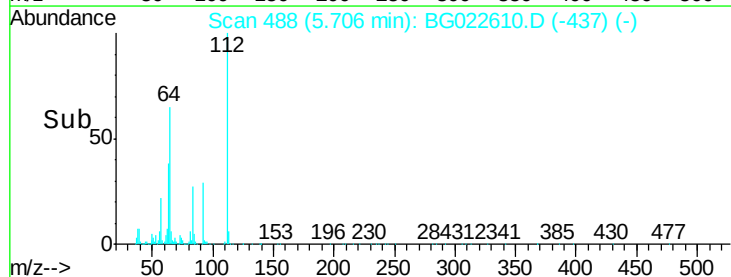
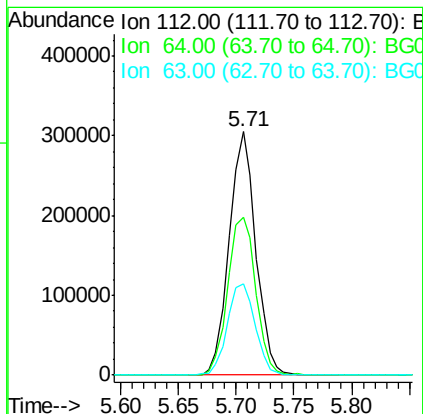
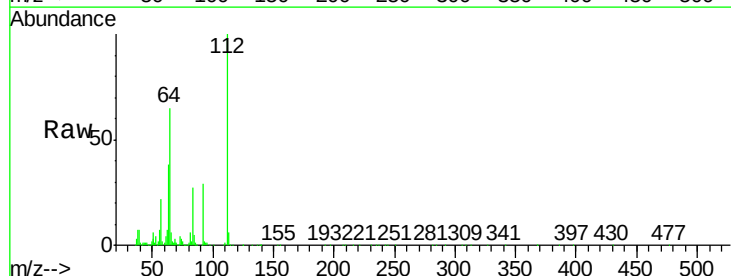
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 152     | 100   |       |        |
| 150     | 143.0 | 144.7 | 217.1# |
| 115     | 65.8  | 64.0  | 96.0   |

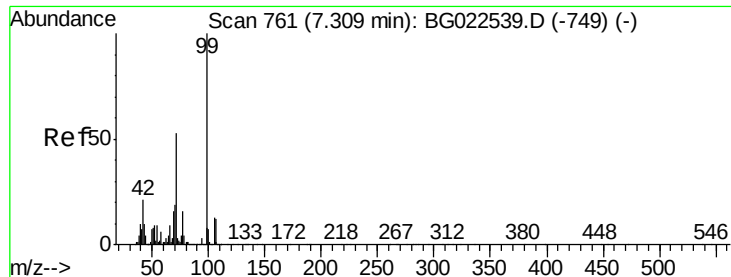


#5

2-Fluorophenol  
Concen: 53.81 ng  
RT: 5.71 min Scan# 488  
Delta R.T. 0.00 min  
Lab File: BG022610.D  
Acq: 26 Jun 2016 14:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 64.8  | 59.0  | 88.4  |
| 63      | 37.8  | 37.8  | 56.8# |





#7

Phenol-d6

Concen: 33.67 ng

RT: 7.30 min Scan# 760

Delta R.T. 0.00 min

Lab File: BG022610.D

Acq: 26 Jun 2016 14:45

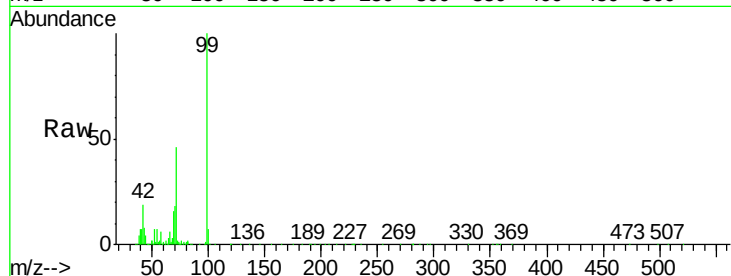
Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 99 Resp: 427690

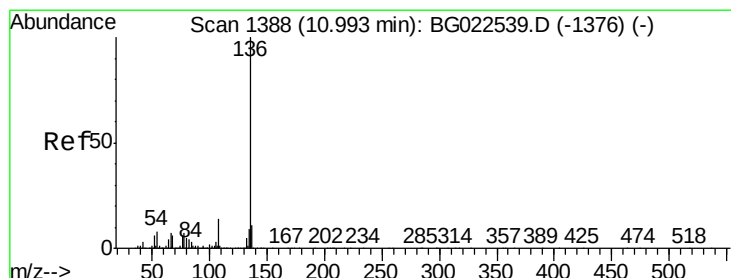
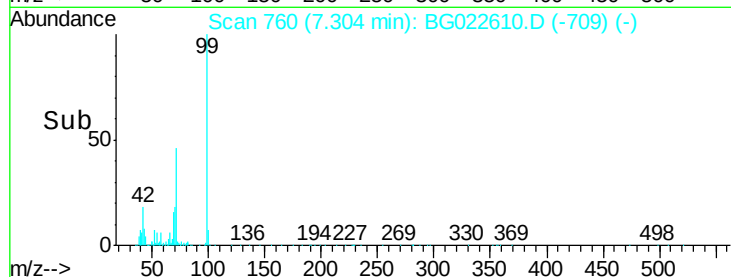
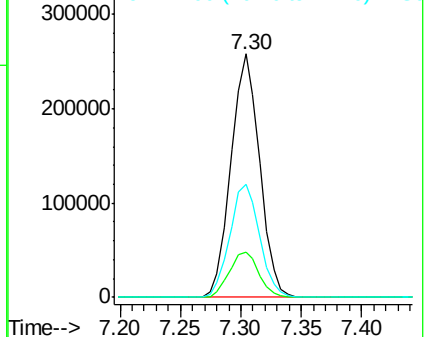
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.5  | 17.8  | 26.6  |
| 71  | 46.3  | 41.5  | 62.3  |



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: 10.99 min Scan# 1387

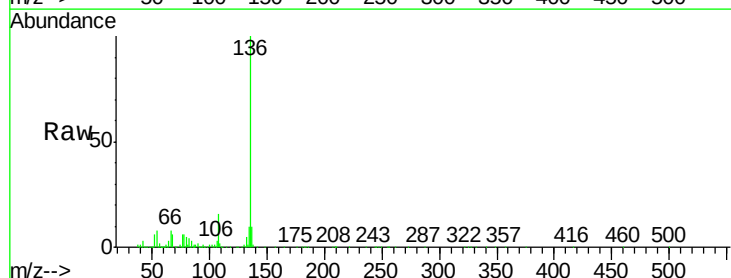
Delta R.T. -0.01 min

Lab File: BG022610.D

Acq: 26 Jun 2016 14:45

Tgt Ion: 136 Resp: 587567

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.1  | 9.6   | 14.4  |
| 54  | 7.8   | 7.3   | 10.9  |
| 68  | 5.8   | 5.3   | 7.9   |

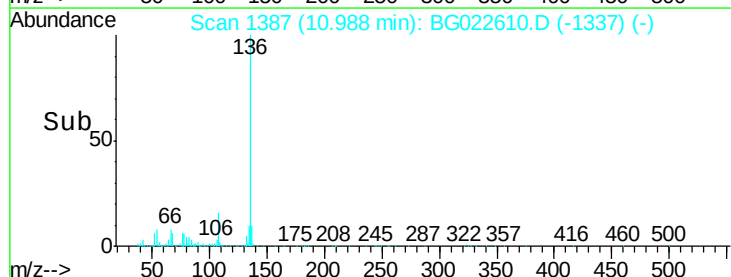
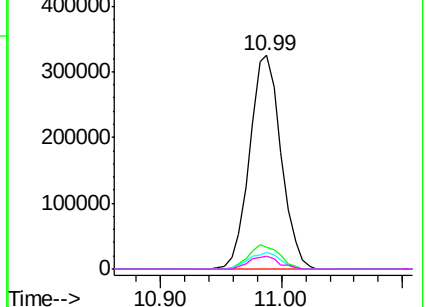


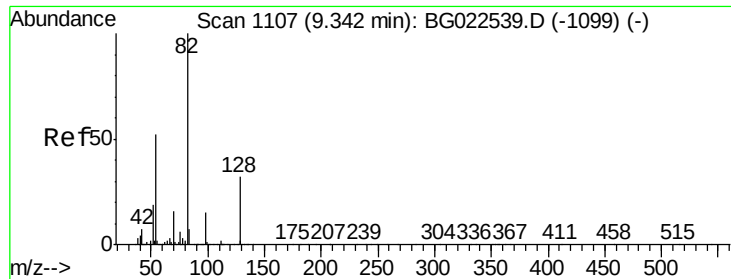
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

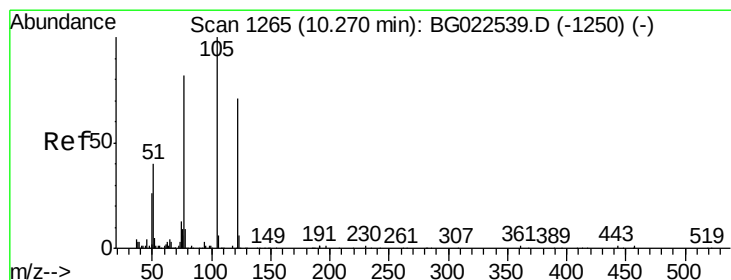
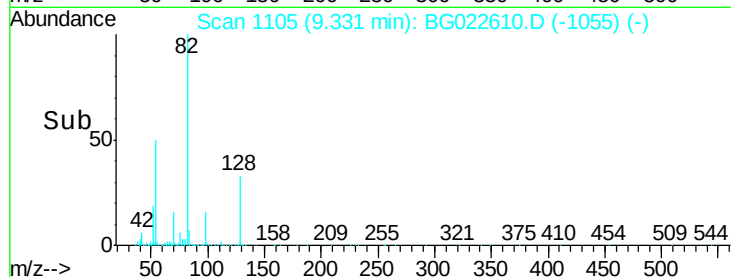
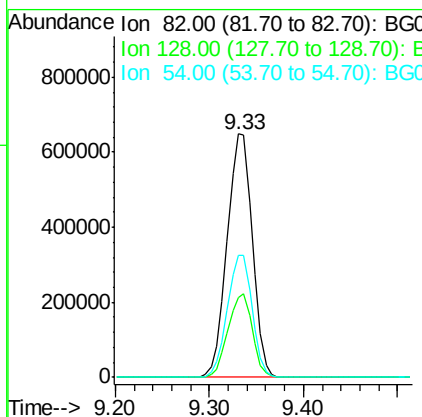
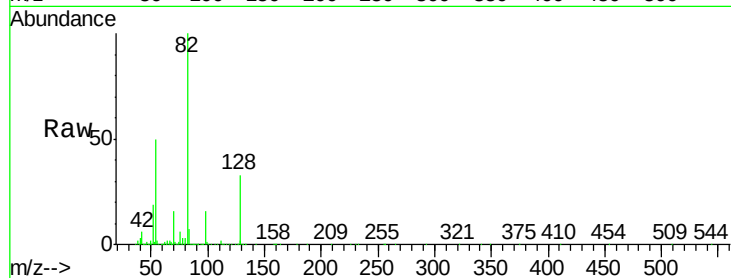




#23  
Nitrobenzene-d5  
Concen: 87.16 ng  
RT: 9.33 min Scan# 1105  
Delta R.T. -0.01 min  
Lab File: BG022610.D  
Acq: 26 Jun 2016 14:45

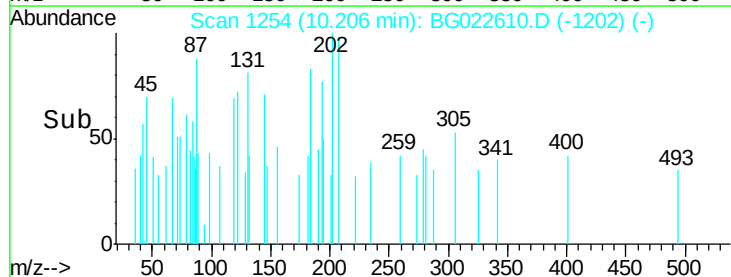
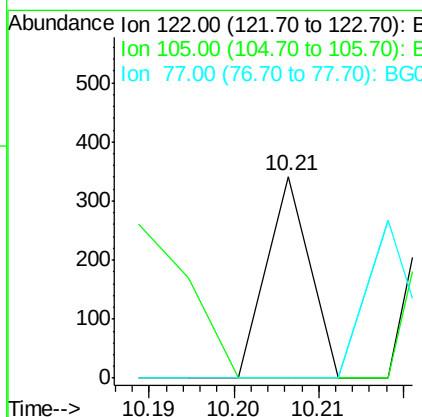
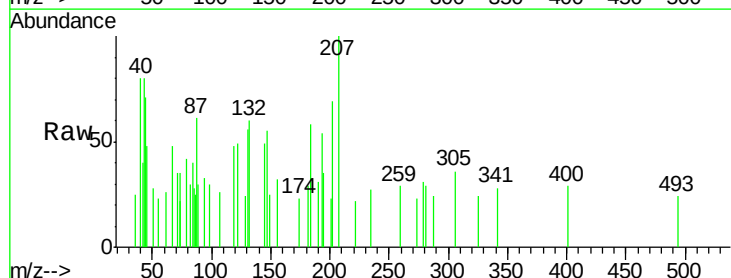
Instrument :  
BNA\_G  
ClientSampleId :

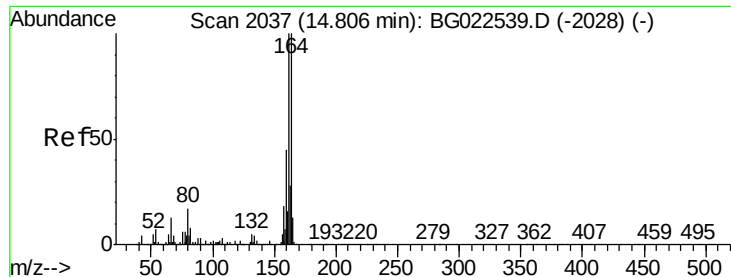
Tot Ion: 82 Resp: 1210050  
Ion Ratio Lower Upper  
82 100  
128 33.0 24.4 36.6  
54 50.2 41.4 62.0



#32  
Benzoic acid  
Concen: 5.13 ng  
RT: 10.21 min Scan# 1254  
Delta R.T. 0.01 min  
Lab File: BG022610.D  
Acq: 26 Jun 2016 14:45

Tgt Ion:122 Resp: 120  
Ion Ratio Lower Upper  
122 100  
105 0.0 117.2 157.2#  
77 0.0 109.2 149.2#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BG022610.D

Acq: 26 Jun 2016 14:45

Instrument :

BNA\_G

ClientSampleId :

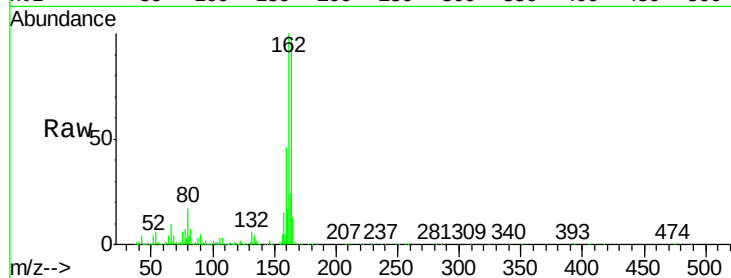
Tot Ion:164 Resp: 418162

Ion Ratio Lower Upper

164 100

162 102.5 87.7 131.5

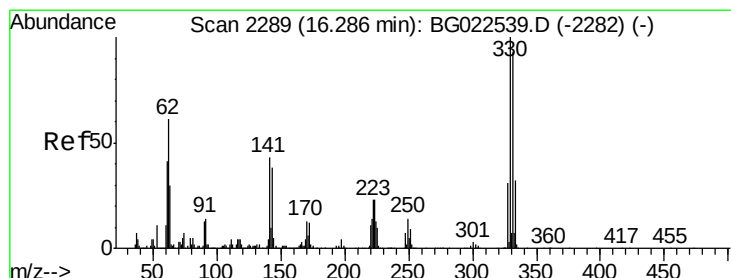
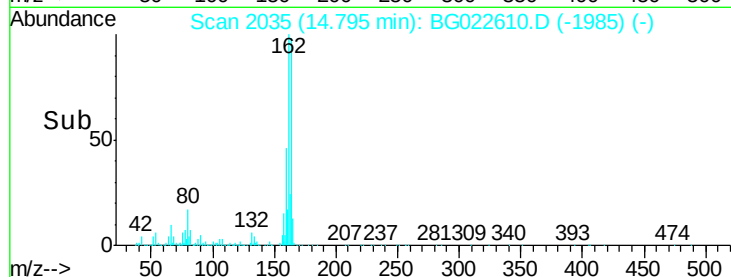
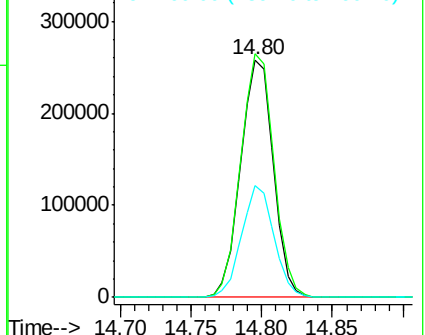
160 47.0 37.2 55.8



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 143.43 ng

RT: 16.29 min Scan# 2289

Delta R.T. 0.00 min

Lab File: BG022610.D

Acq: 26 Jun 2016 14:45

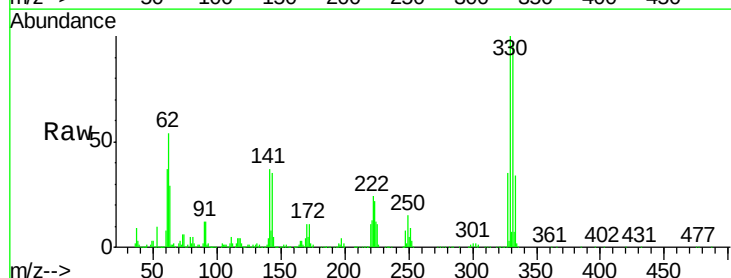
Tgt Ion:330 Resp: 943363

Ion Ratio Lower Upper

330 100

332 96.8 77.4 116.2

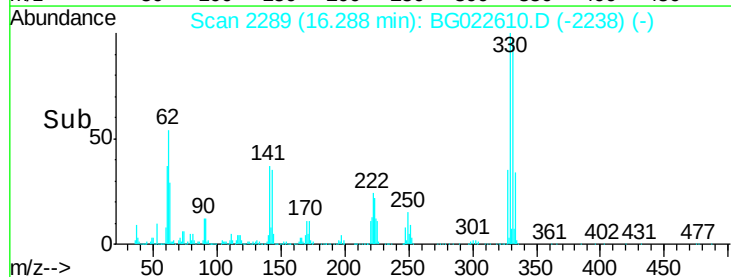
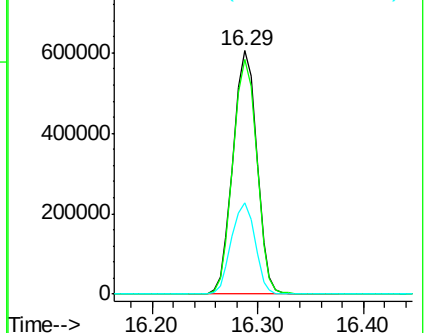
141 37.5 31.7 47.5

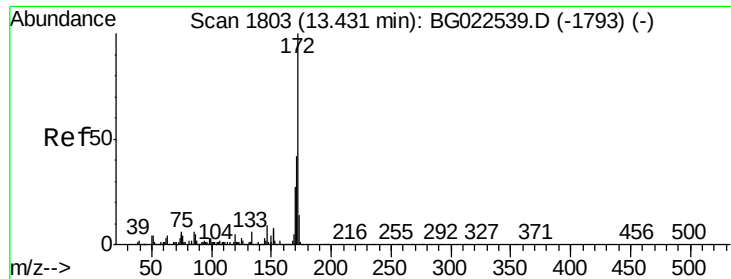


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

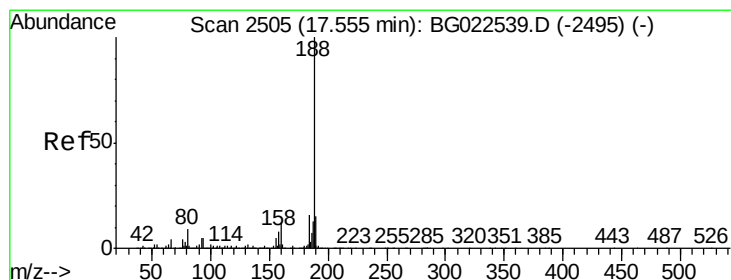
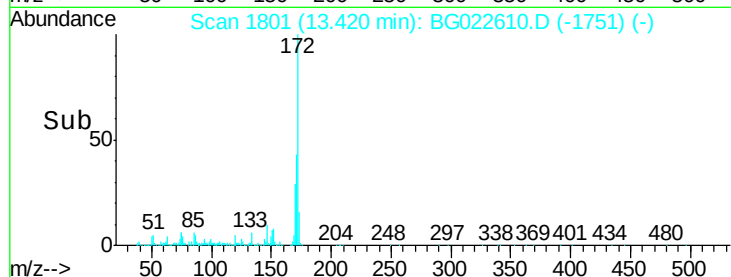
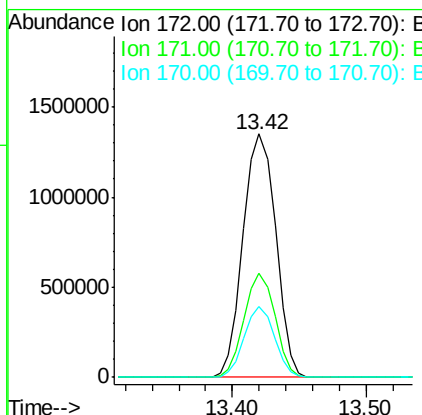
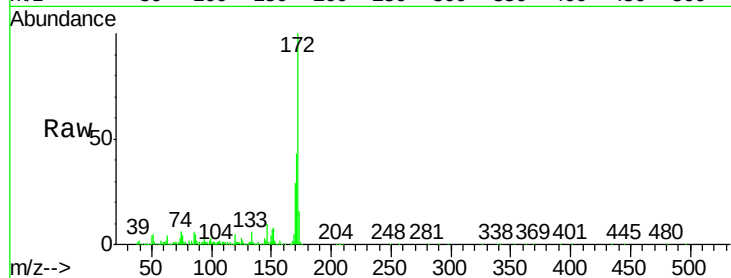




#44  
2-Fluorobiphenyl  
Concen: 86.99 ng  
RT: 13.42 min Scan# 1801  
Delta R.T. -0.01 min  
Lab File: BG022610.D  
Acq: 26 Jun 2016 14:45

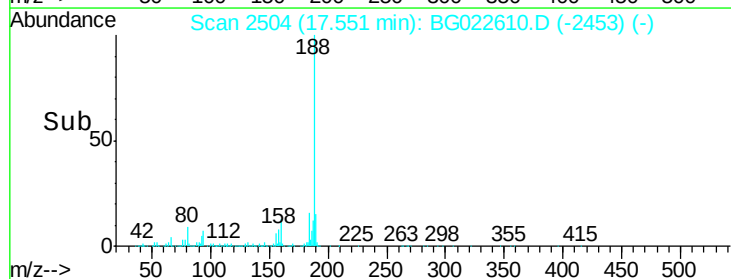
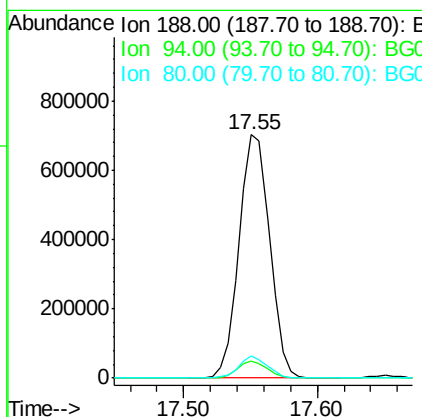
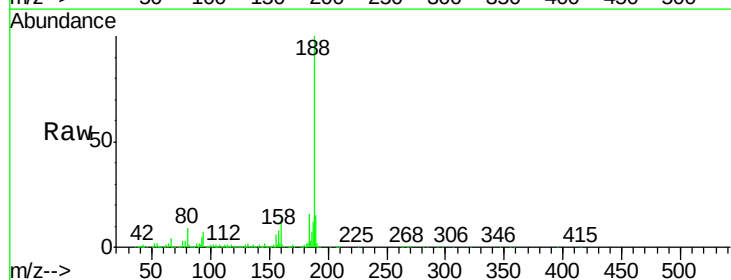
Instrument :  
BNA\_G  
ClientSampleId :

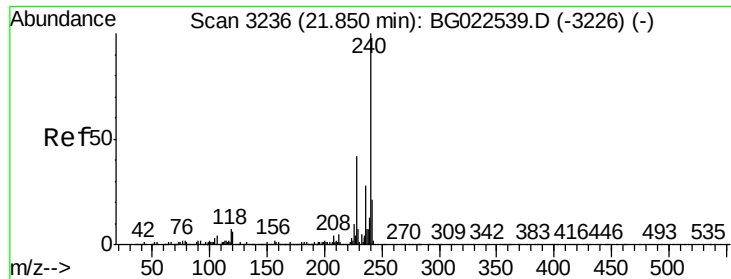
Tot Ion:172 Resp: 2293639  
Ion Ratio Lower Upper  
172 100  
171 42.8 31.6 47.4  
170 29.2 21.3 31.9



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.55 min Scan# 2504  
Delta R.T. 0.00 min  
Lab File: BG022610.D  
Acq: 26 Jun 2016 14:45

Tgt Ion:188 Resp: 1115087  
Ion Ratio Lower Upper  
188 100  
94 7.1 5.2 7.8  
80 9.1 7.2 10.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.85 min Scan# 3235

Delta R.T. 0.00 min

Lab File: BG022610.D

Acq: 26 Jun 2016 14:45

Instrument :

BNA\_G

ClientSampleId :

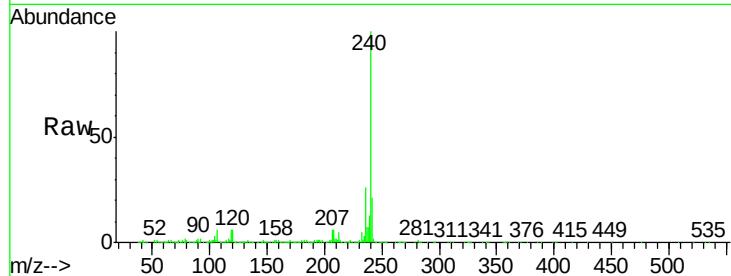
Tot Ion:240 Resp: 1264234

Ion Ratio Lower Upper

240 100

120 5.7 4.1 6.1

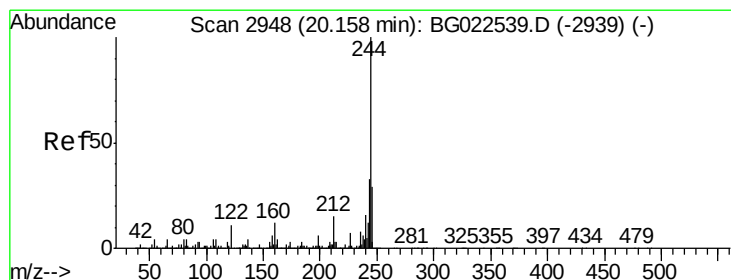
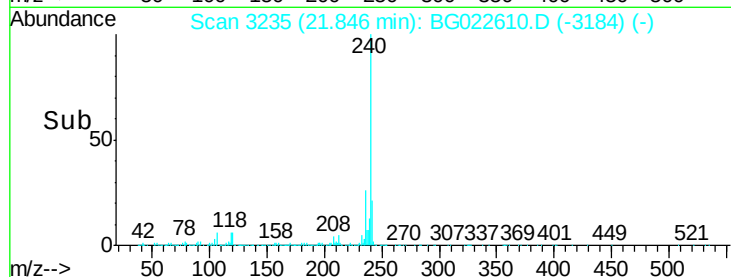
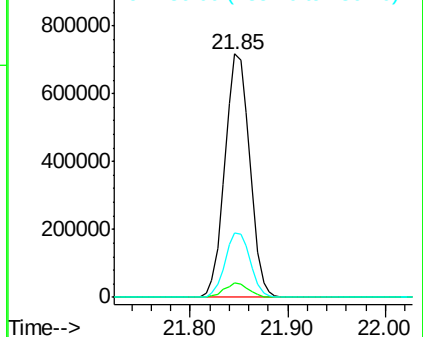
236 26.3 21.1 31.7



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: 71.73 ng

RT: 20.16 min Scan# 2948

Delta R.T. 0.01 min

Lab File: BG022610.D

Acq: 26 Jun 2016 14:45

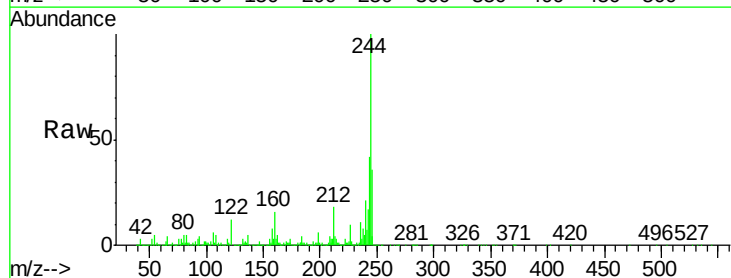
Tgt Ion:244 Resp: 3422774

Ion Ratio Lower Upper

244 100

212 17.5 10.8 16.2#

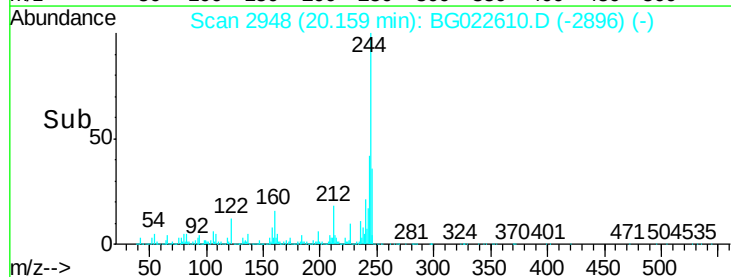
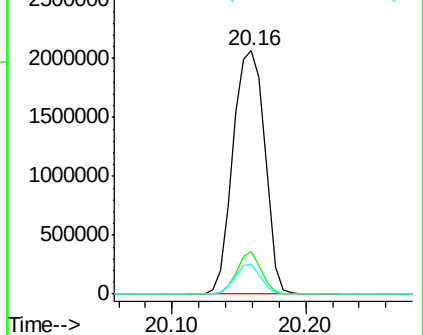
122 12.5 8.0 12.0#



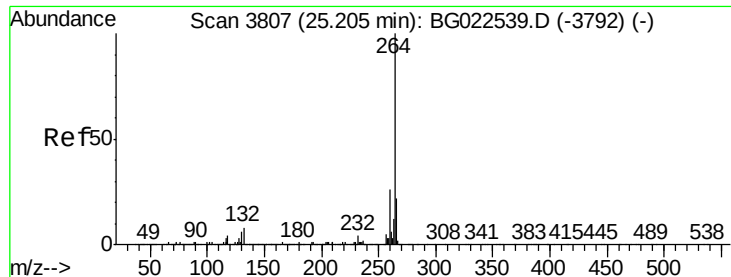
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 25.21 min Scan# 3807  
Delta R.T. 0.00 min  
Lab File: BG022610.D  
Acq: 26 Jun 2016 14:45

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:264 Resp: 1263516  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.8  | 18.4  | 27.6  |
| 265 | 22.2  | 18.9  | 28.3  |

