

Data Path : Z:\HPCHEM1\BNA G\DATA\BG062616\  
 Data File : BG022620.D  
 Acq On : 26 Jun 2016 22:04  
 Operator : UM/SJ  
 Sample : H3741-07  
 Misc :  
 ALS Vial : 72 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 27 01:14:08 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

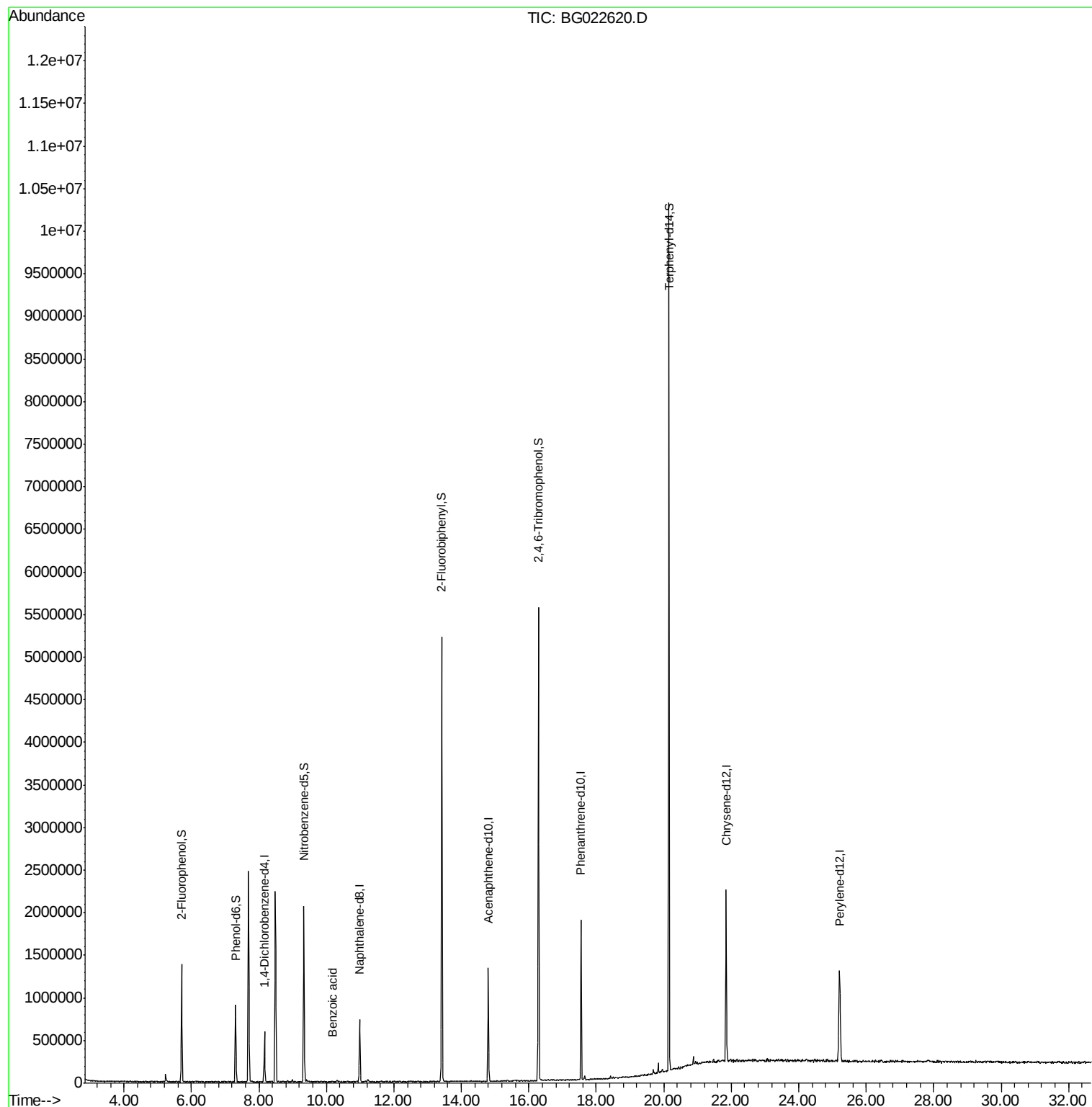
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.16  | 152  | 147991   | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 10.98 | 136  | 611015   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 14.80 | 164  | 436084   | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 17.55 | 188  | 1119258  | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 21.85 | 240  | 1232090  | 20.00  | ng    | 0.00           |
| 86) Perylene-d12            | 25.21 | 264  | 1248372  | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.71  | 112  | 542606   | 58.81  | ng    | 0.00           |
| 7) Phenol-d6                | 7.31  | 99   | 500628   | 38.49  | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 9.33  | 82   | 1301226  | 90.13  | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 16.28 | 330  | 1037901  | 151.32 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 13.42 | 172  | 2443335  | 88.86  | ng    | 0.00           |
| 78) Terphenyl-d14           | 20.16 | 244  | 3446573  | 74.11  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 32) Benzoic acid            | 10.18 | 122  | 277      | 5.15   | ng    | Qvalue<br># 64 |

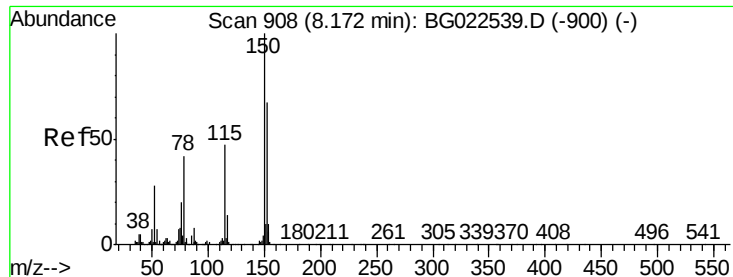
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 24 20:14:59 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.16 min Scan# 906

Delta R.T. -0.01 min

Lab File: BG022620.D

Acq: 26 Jun 2016 22:04

Instrument :

BNA\_G

ClientSampleId :

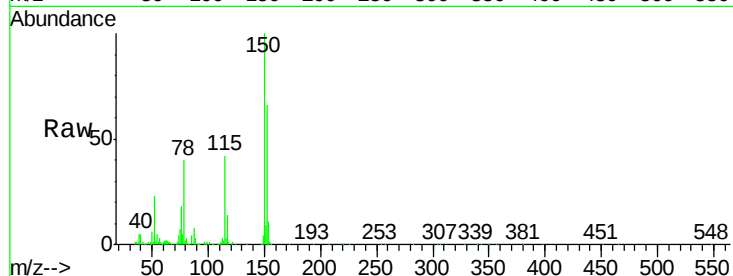
Tot Ion:152 Resp: 147991

Ion Ratio Lower Upper

152 100

150 150.7 144.7 217.1

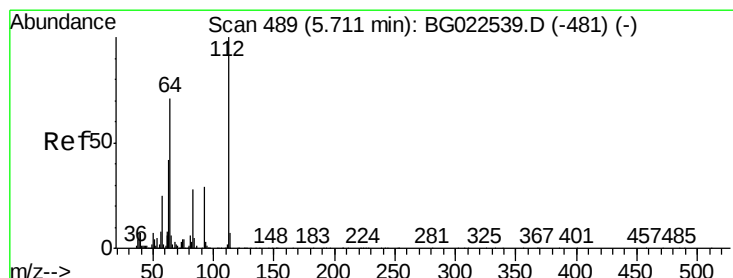
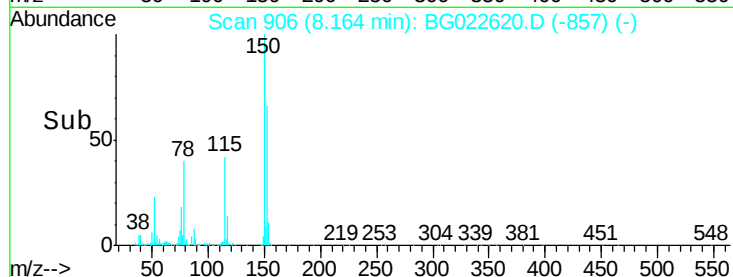
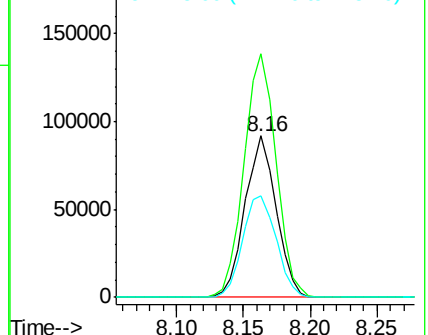
115 63.2 64.0 96.0#



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: 58.81 ng

RT: 5.71 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG022620.D

Acq: 26 Jun 2016 22:04

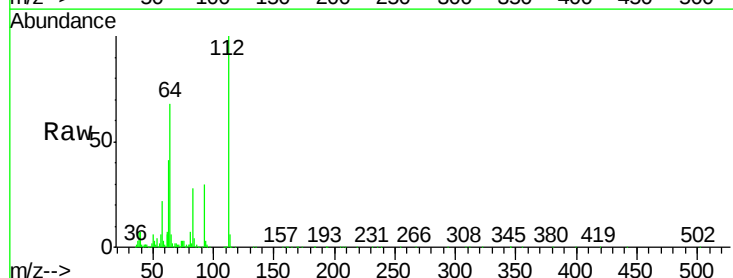
Tgt Ion:112 Resp: 542606

Ion Ratio Lower Upper

112 100

64 67.8 59.0 88.4

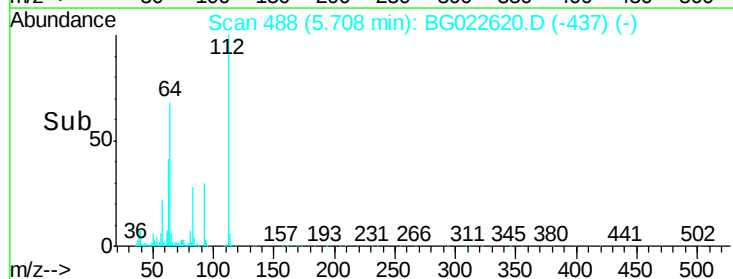
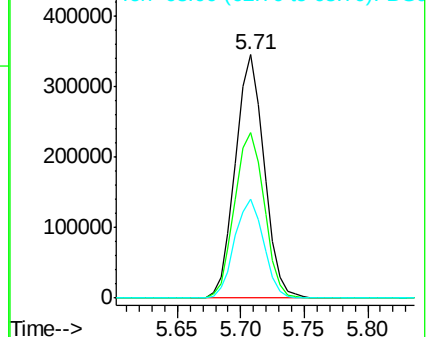
63 40.8 37.8 56.8



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: 38.49 ng

RT: 7.31 min Scan# 760

Delta R.T. 0.00 min

Lab File: BG022620.D

Acq: 26 Jun 2016 22:04

Instrument :

BNA\_G

ClientSampleId :

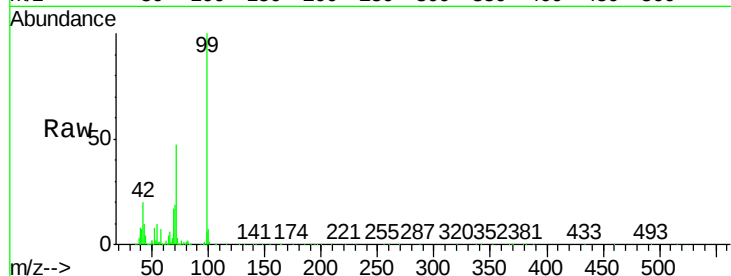
Tot Ion: 99 Resp: 500628

Ion Ratio Lower Upper

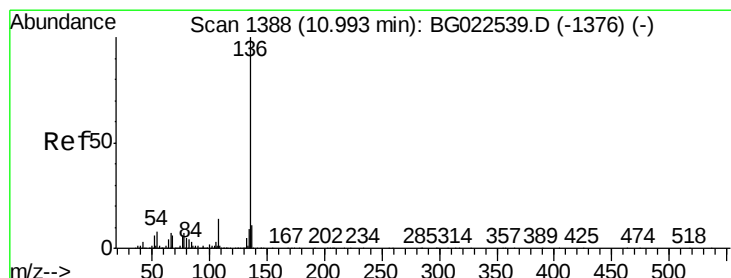
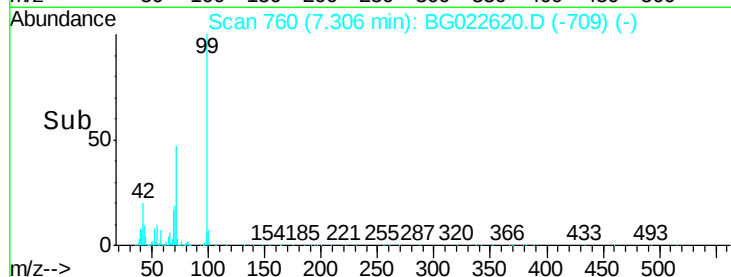
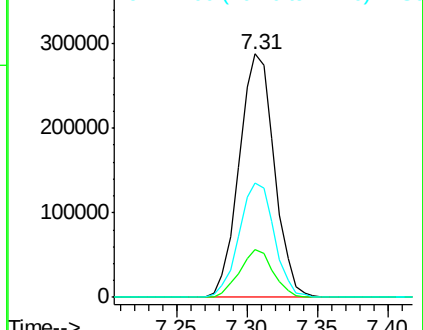
99 100

42 19.6 17.8 26.6

71 47.1 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: 10.98 min Scan# 1386

Delta R.T. -0.01 min

Lab File: BG022620.D

Acq: 26 Jun 2016 22:04

Tgt Ion: 136 Resp: 611015

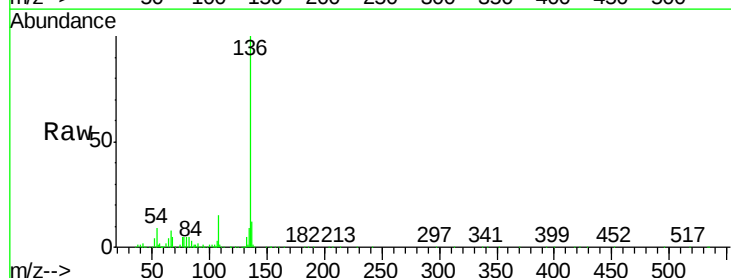
Ion Ratio Lower Upper

136 100

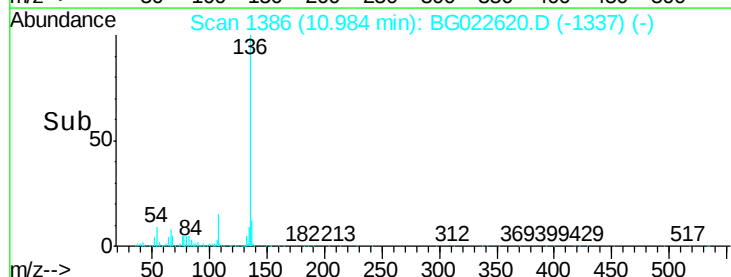
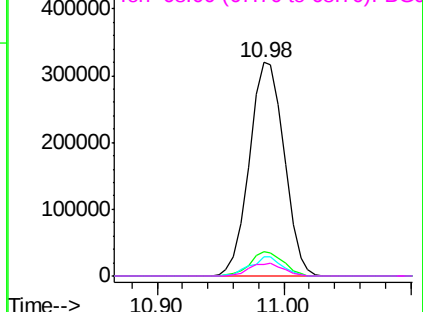
137 11.6 9.6 14.4

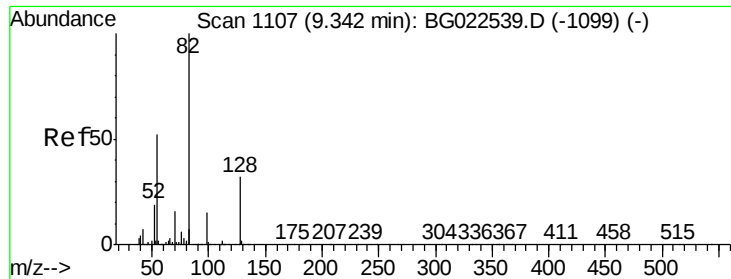
54 9.3 7.3 10.9

68 5.4 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

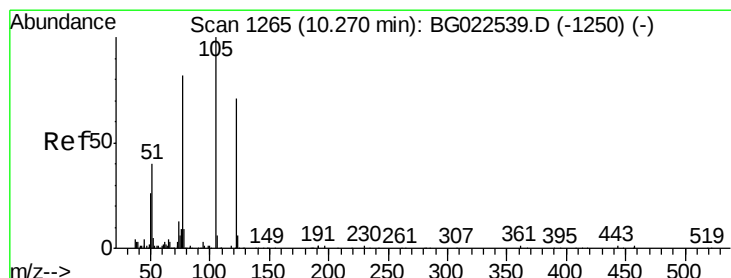
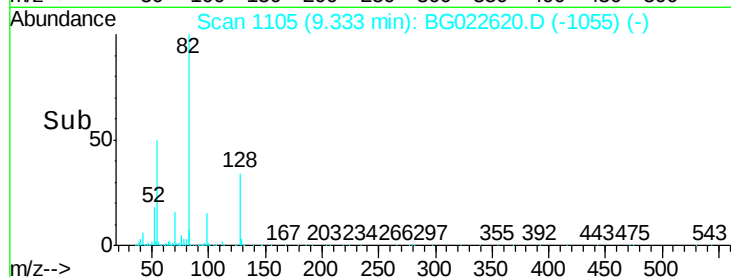
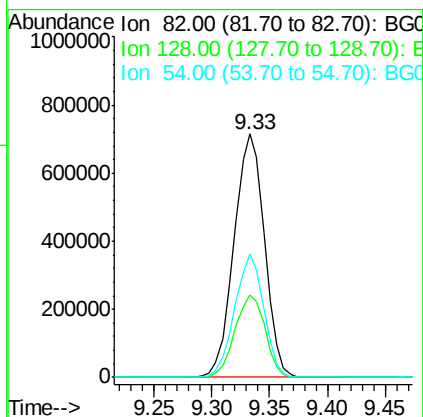
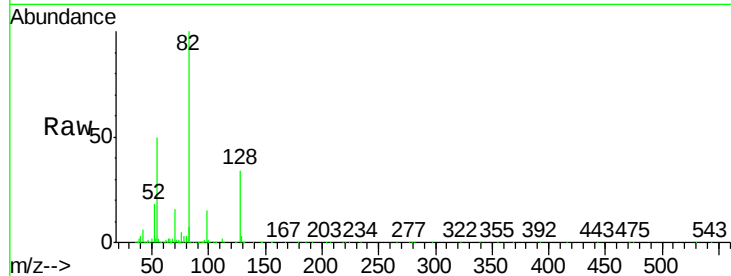




#23  
 Nitrobenzene-d5  
 Concen: 90.13 ng  
 RT: 9.33 min Scan# 1105  
 Delta R.T. -0.00 min  
 Lab File: BG022620.D  
 Acq: 26 Jun 2016 22:04

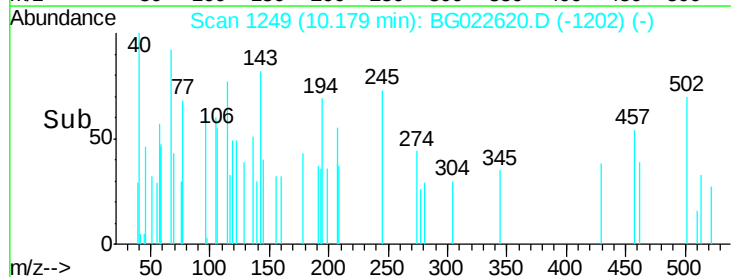
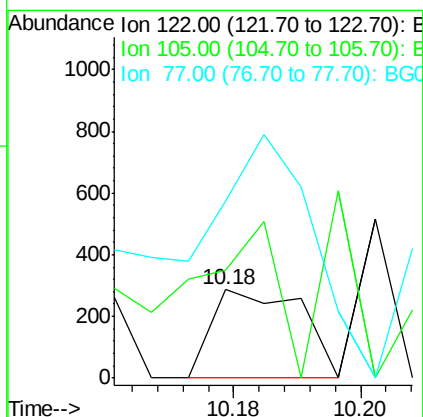
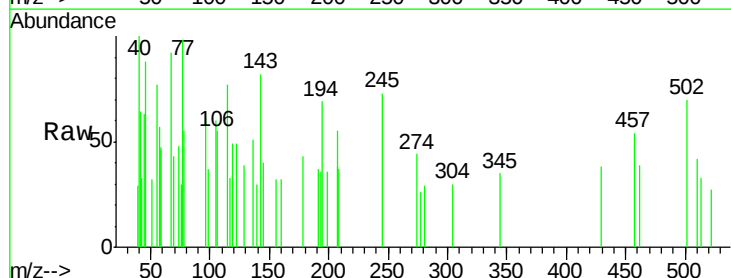
Instrument :  
 BNA\_G  
 ClientSampleId :

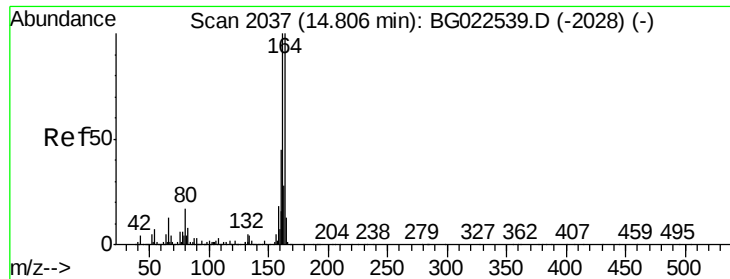
Tot Ion: 82 Resp: 1301226  
 Ion Ratio Lower Upper  
 82 100  
 128 33.6 24.4 36.6  
 54 50.5 41.4 62.0



#32  
 Benzoic acid  
 Concen: 5.15 ng  
 RT: 10.18 min Scan# 1249  
 Delta R.T. -0.02 min  
 Lab File: BG022620.D  
 Acq: 26 Jun 2016 22:04

Tgt Ion: 122 Resp: 277  
 Ion Ratio Lower Upper  
 122 100  
 105 122.3 117.2 157.2  
 77 200.3 109.2 149.2#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BG022620.D

Acq: 26 Jun 2016 22:04

Instrument :

BNA\_G

ClientSampleId :

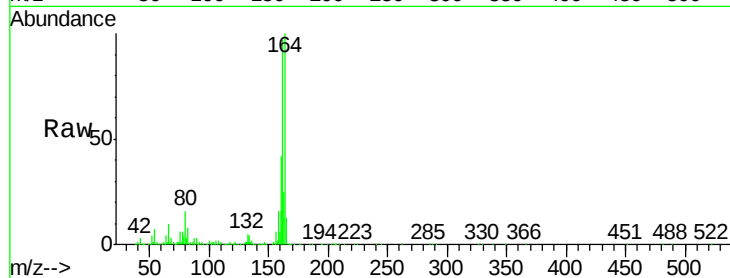
Tot Ion:164 Resp: 436084

Ion Ratio Lower Upper

164 100

162 97.3 87.7 131.5

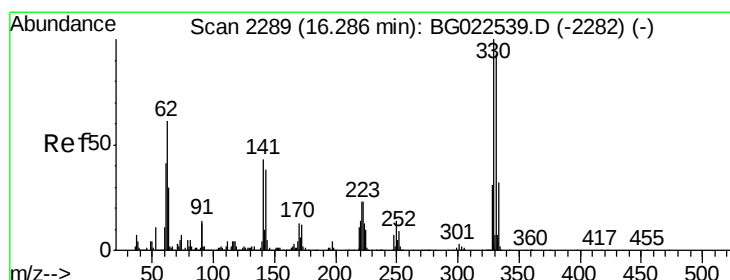
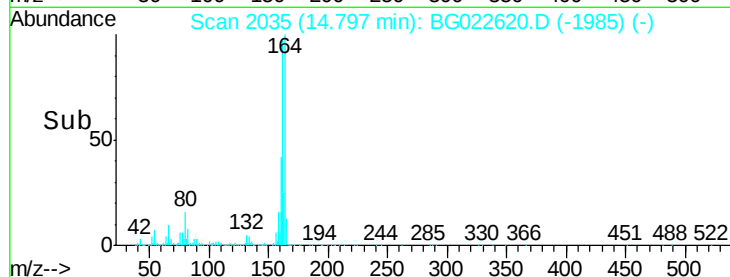
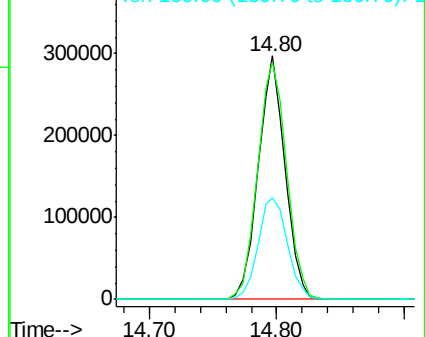
160 41.5 37.2 55.8



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: 151.32 ng

RT: 16.28 min Scan# 2288

Delta R.T. -0.00 min

Lab File: BG022620.D

Acq: 26 Jun 2016 22:04

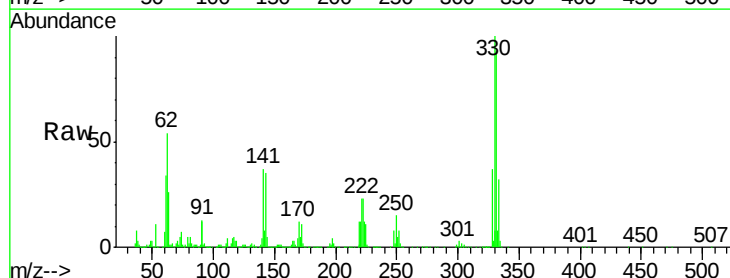
Tgt Ion:330 Resp: 1037901

Ion Ratio Lower Upper

330 100

332 95.7 77.4 116.2

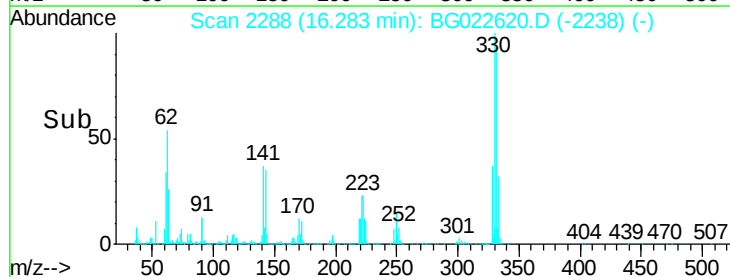
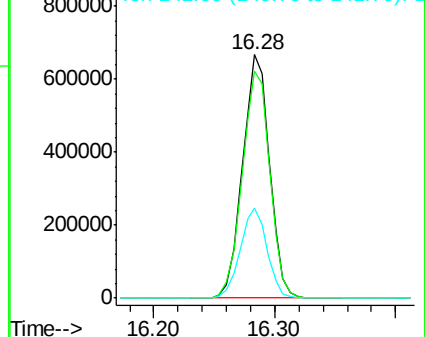
141 36.4 31.7 47.5

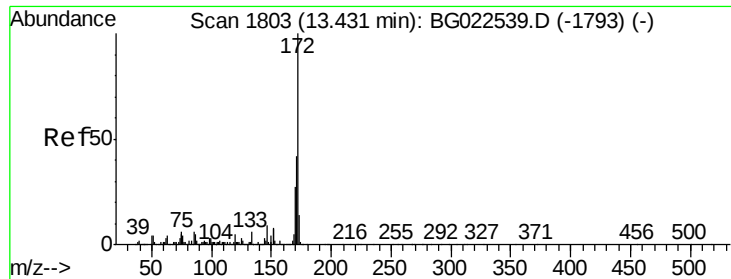


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

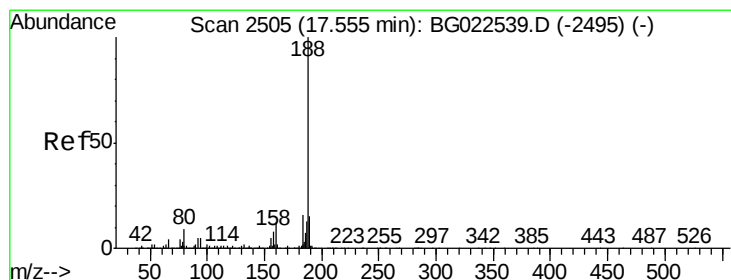
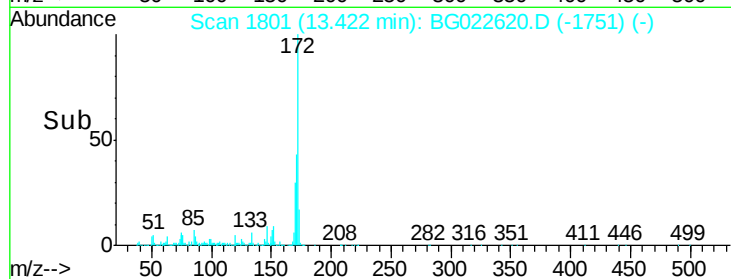
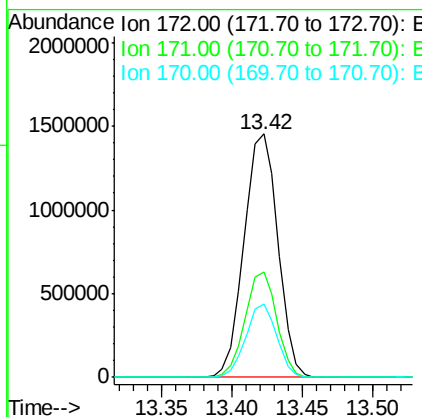
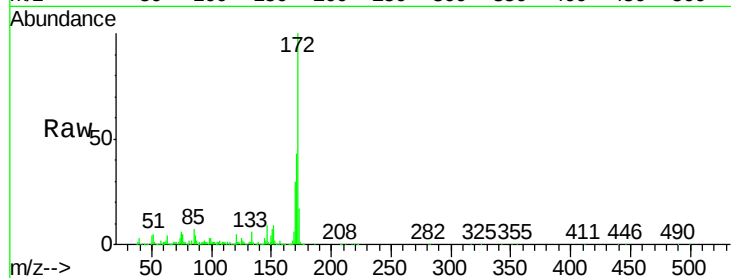




#44  
2-Fluorobiphenyl  
Concen: 88.86 ng  
RT: 13.42 min Scan# 1801  
Delta R.T. -0.00 min  
Lab File: BG022620.D  
Acq: 26 Jun 2016 22:04

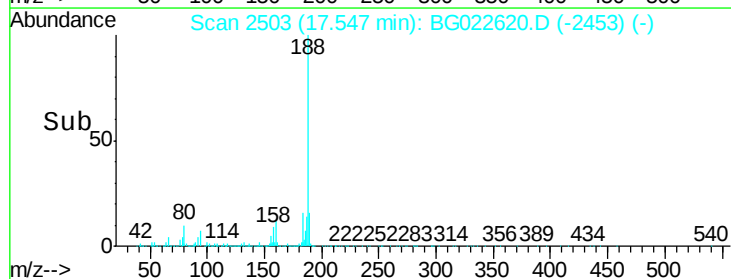
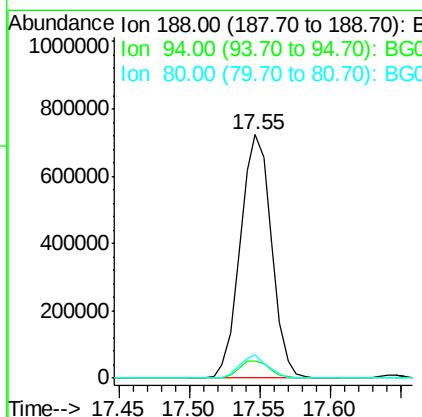
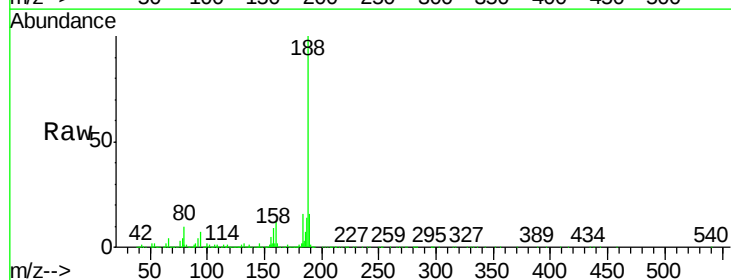
Instrument :  
BNA\_G  
ClientSampleId :

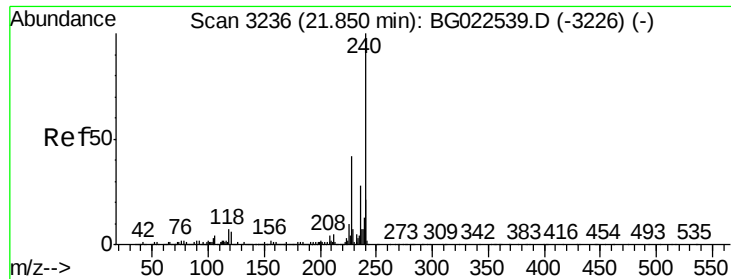
Tot Ion:172 Resp: 2443335  
Ion Ratio Lower Upper  
172 100  
171 43.1 31.6 47.4  
170 29.9 21.3 31.9



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.55 min Scan# 2503  
Delta R.T. -0.00 min  
Lab File: BG022620.D  
Acq: 26 Jun 2016 22:04

Tgt Ion:188 Resp: 1119258  
Ion Ratio Lower Upper  
188 100  
94 6.8 5.2 7.8  
80 9.6 7.2 10.8

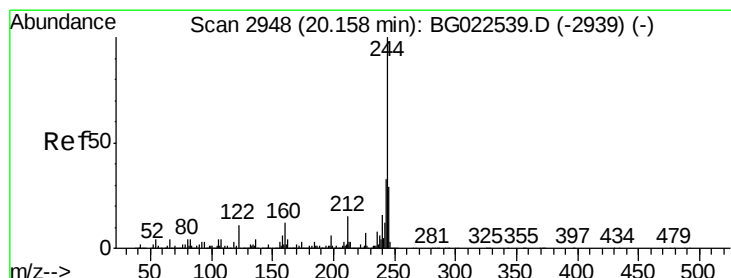
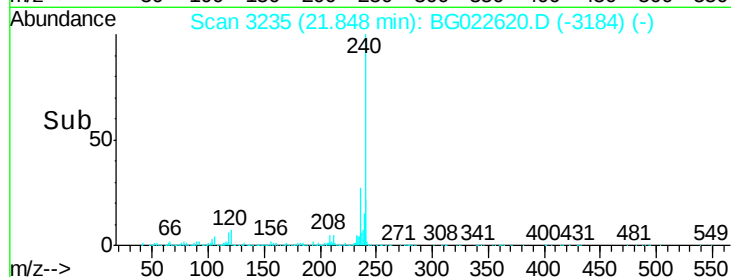
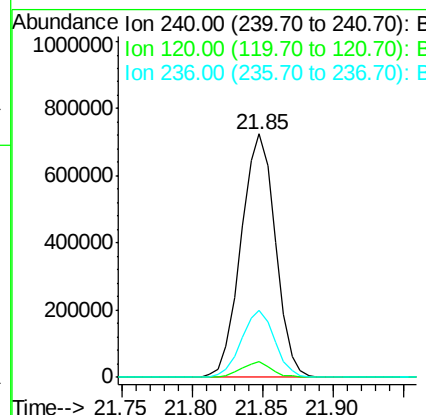
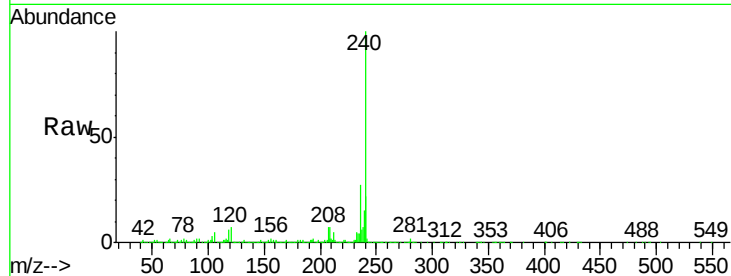




#75  
 Chrvsene-d12  
 Concen: 20.00 ng  
 RT: 21.85 min Scan# 3235  
 Delta R.T. 0.00 min  
 Lab File: BG022620.D  
 Acq: 26 Jun 2016 22:04

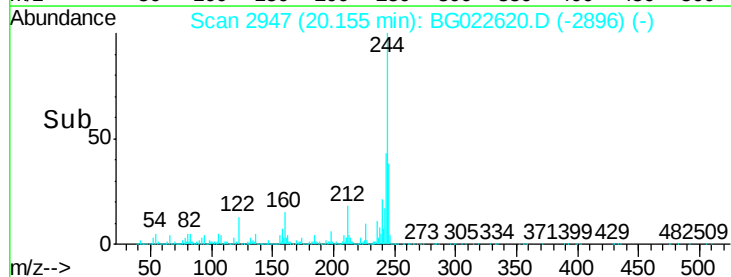
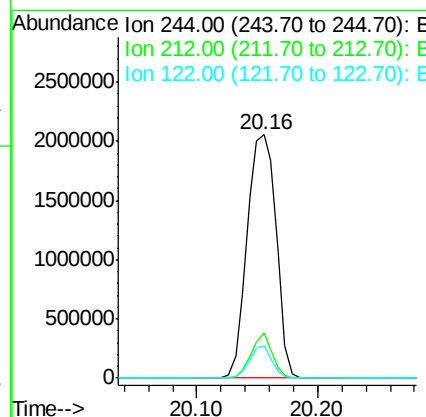
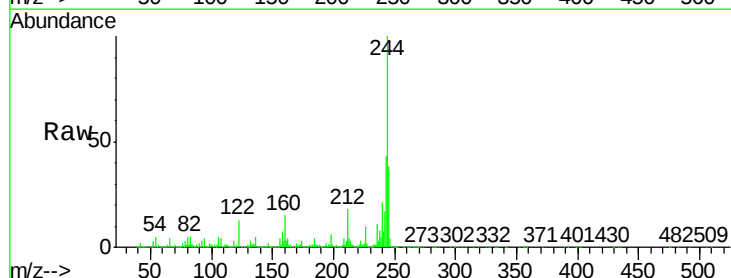
Instrument :  
 BNA\_G  
 ClientSampleId :

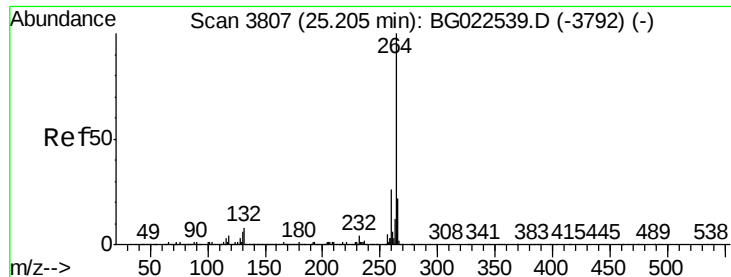
Tot Ion:240 Resp: 1232090  
 Ion Ratio Lower Upper  
 240 100  
 120 6.6 4.1 6.1#  
 236 27.4 21.1 31.7



#78  
 Terphenyl-d14  
 Concen: 74.11 ng  
 RT: 20.16 min Scan# 2947  
 Delta R.T. 0.00 min  
 Lab File: BG022620.D  
 Acq: 26 Jun 2016 22:04

Tgt Ion:244 Resp: 3446573  
 Ion Ratio Lower Upper  
 244 100  
 212 18.4 10.8 16.2#  
 122 13.3 8.0 12.0#





#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 25.21 min Scan# 3807  
Delta R.T. 0.00 min  
Lab File: BG022620.D  
Acq: 26 Jun 2016 22:04

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:264 Resp: 1248372  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.7  | 18.4  | 27.6  |
| 265 | 21.3  | 18.9  | 28.3  |

