

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG021216\  
 Data File : BG020898.D  
 Acq On : 12 Feb 2016 18:31  
 Operator : SJ/UM  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 ICVBG021216

Quant Time: Feb 13 03:41:01 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\625-TERPINEOL-BG021216.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 12 18:22:09 2016  
 Response via : Initial Calibration

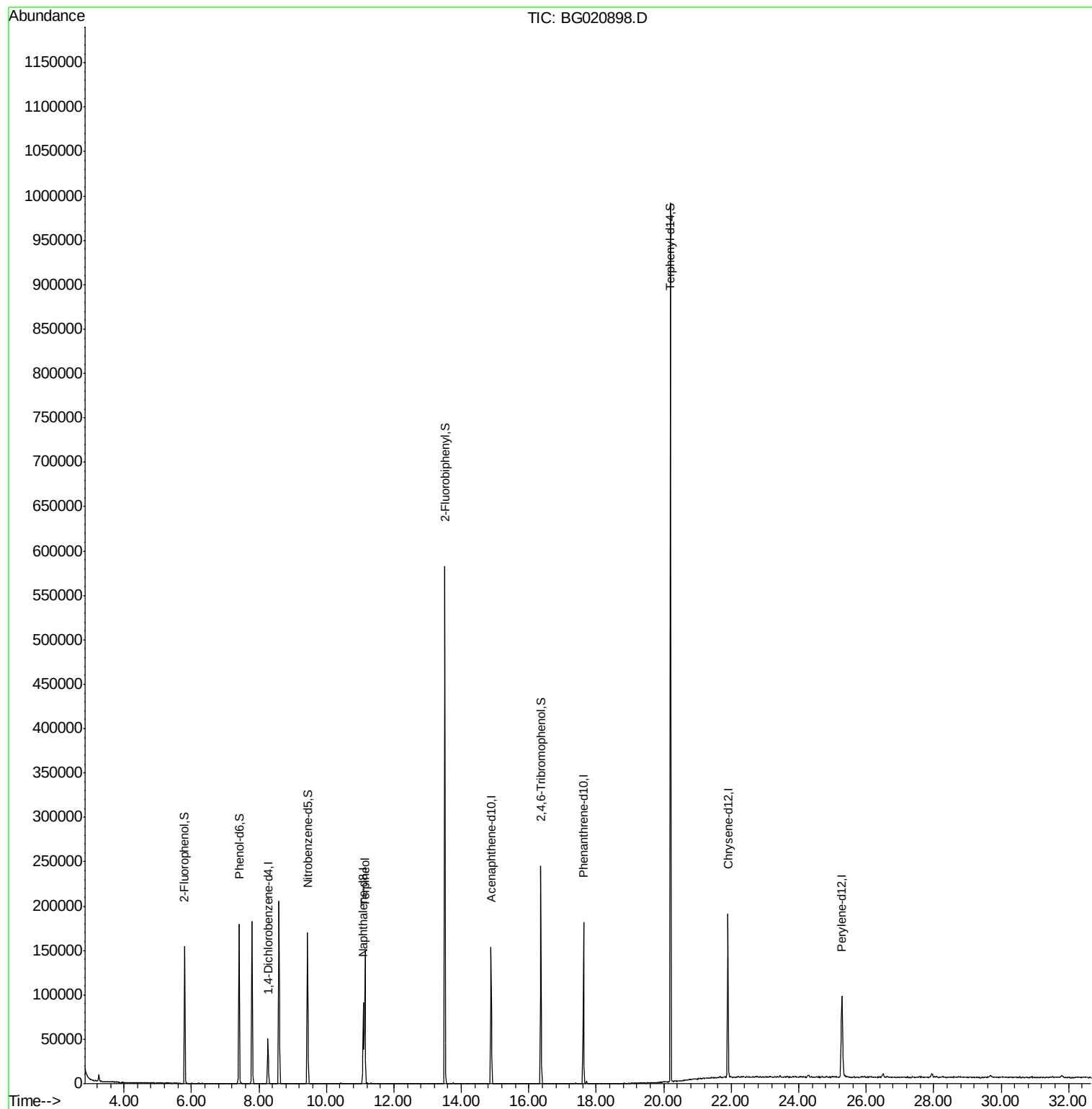
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|-------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.27  | 152  | 16589    | 20.00 | ng    | 0.00           |
| 4) Naphthalene-d8           | 11.09 | 136  | 89589    | 20.00 | ng    | 0.00           |
| 7) Acenaphthene-d10         | 14.88 | 164  | 54356    | 20.00 | ng    | 0.00           |
| 10) Phenanthrene-d10        | 17.62 | 188  | 111022   | 20.00 | ng    | 0.00           |
| 11) Chrysene-d12            | 21.90 | 240  | 106952   | 20.00 | ng    | 0.00           |
| 13) Perylene-d12            | 25.28 | 264  | 98437    | 20.00 | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |       |       |                |
| 2) 2-Fluorophenol           | 5.80  | 112  | 87731    | 82.19 | ng    | 0.00           |
| 3) Phenol-d6                | 7.41  | 99   | 131447   | 82.24 | ng    | 0.00           |
| 5) Nitrobenzene-d5          | 9.44  | 82   | 114371   | 82.12 | ng    | 0.00           |
| 8) 2,4,6-Tribromophenol     | 16.36 | 330  | 48014    | 80.90 | ng    | 0.00           |
| 9) 2-Fluorobiphenyl         | 13.51 | 172  | 309810   | 80.78 | ng    | 0.00           |
| 12) Terphenyl-d14           | 20.20 | 244  | 410066   | 80.82 | ng    | 0.00           |
| Target Compounds            |       |      |          |       |       |                |
| 6) Terpineol                | 11.14 | 59   | 41532    | 41.07 | ng    | Qvalue<br># 33 |

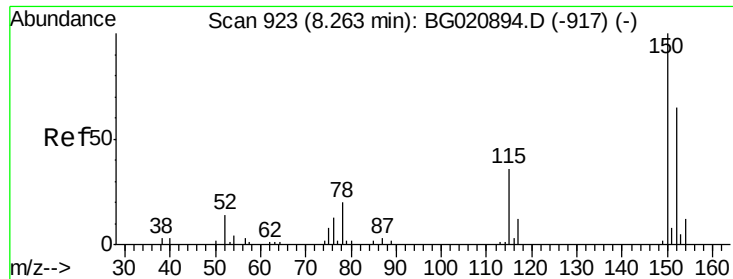
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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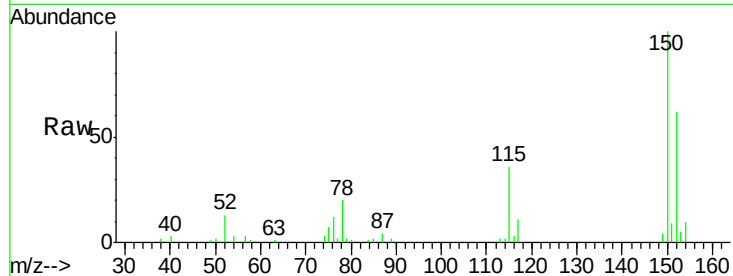


#1

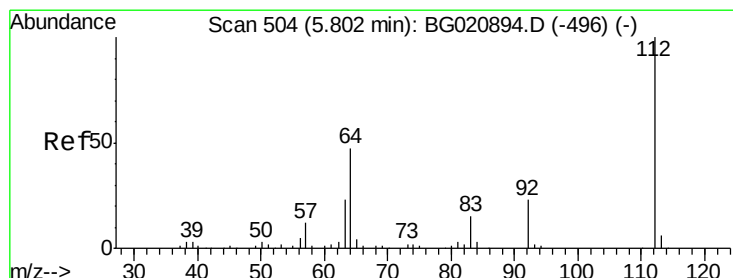
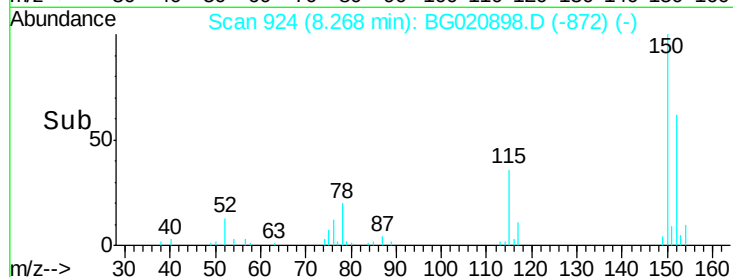
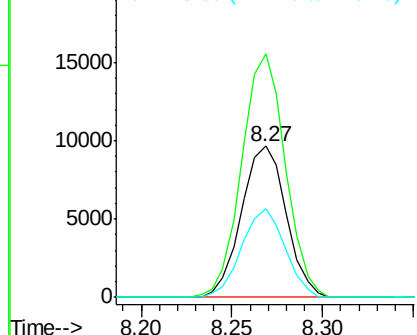
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.27 min Scan# 924  
Delta R.T. 0.01 min  
Lab File: BG020898.D  
Acq: 12 Feb 2016 18:31

Instrument :  
BNA\_G  
ClientSampleId :  
ICVBG021216

Tgt Ion:152 Resp: 16589  
Ion Ratio Lower Upper  
152 100  
150 160.9 119.8 179.6  
115 58.4 49.6 74.4



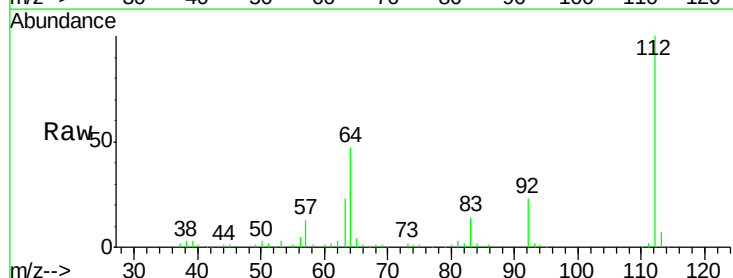
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



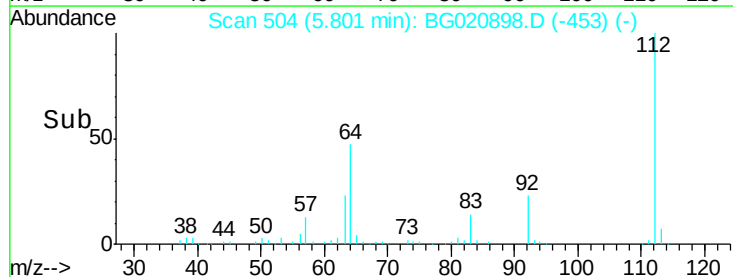
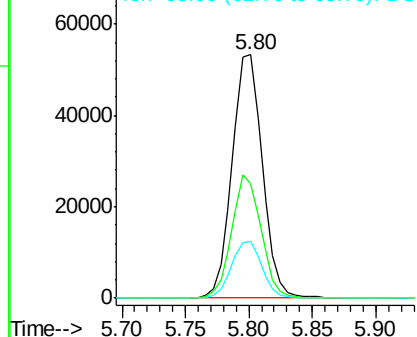
#2

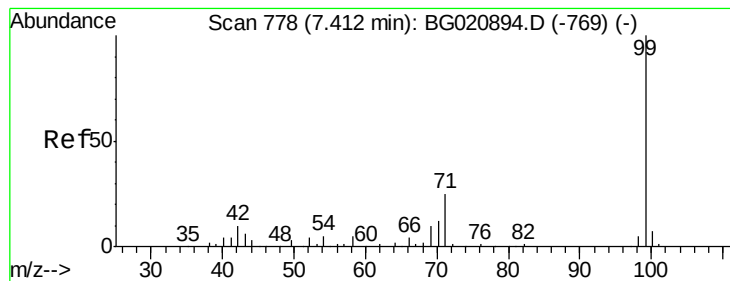
2-Fluorophenol  
Concen: 82.19 ng  
RT: 5.80 min Scan# 504  
Delta R.T. -0.00 min  
Lab File: BG020898.D  
Acq: 12 Feb 2016 18:31

Tgt Ion:112 Resp: 87731  
Ion Ratio Lower Upper  
112 100  
64 46.7 43.5 65.3  
63 23.3 32.2 48.2#



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





#3

Phenol-d6

Concen: 82.24 ng

RT: 7.41 min Scan# 778

Delta R.T. -0.00 min

Lab File: BG020898.D

Acq: 12 Feb 2016 18:31

Instrument :

BNA\_G

ClientSampleId :

ICVBG021216

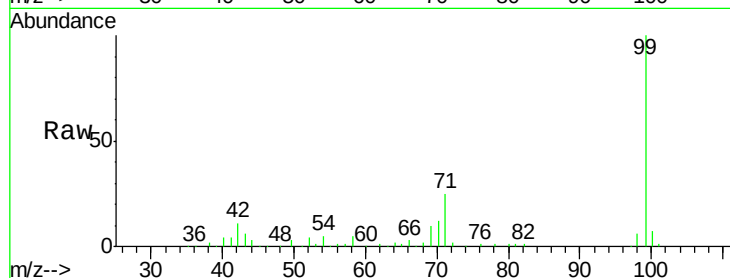
Tgt Ion: 99 Resp: 131447

Ion Ratio Lower Upper

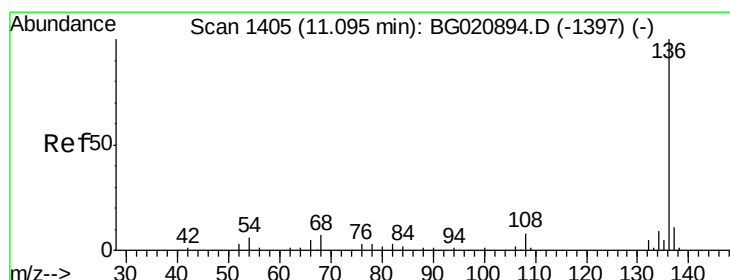
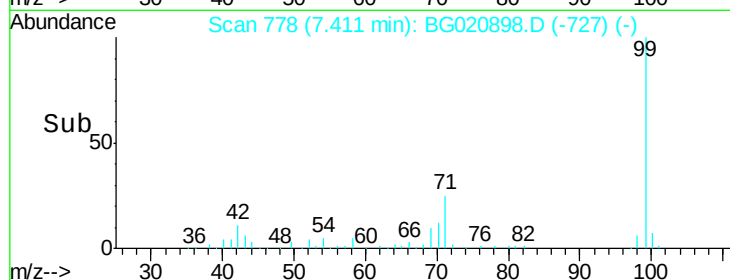
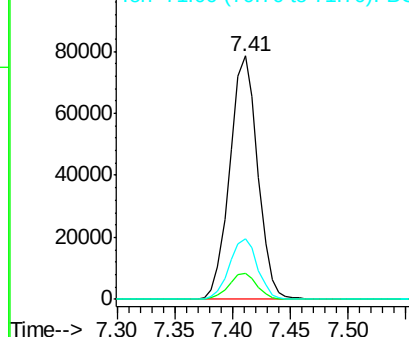
99 100

42 10.7 18.8 28.2#

71 25.0 53.8 80.8#



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



#4

Naphthalene-d8

Concen: 20.00 ng

RT: 11.09 min Scan# 1405

Delta R.T. -0.00 min

Lab File: BG020898.D

Acq: 12 Feb 2016 18:31

Tgt Ion: 136 Resp: 89589

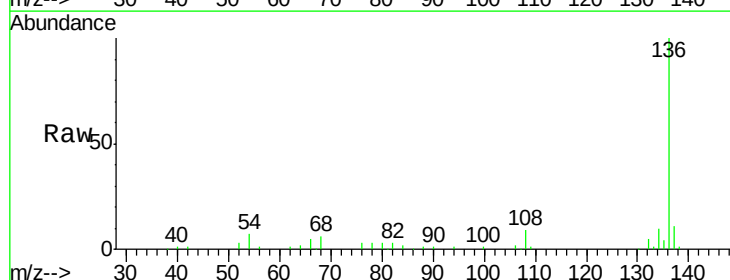
Ion Ratio Lower Upper

136 100

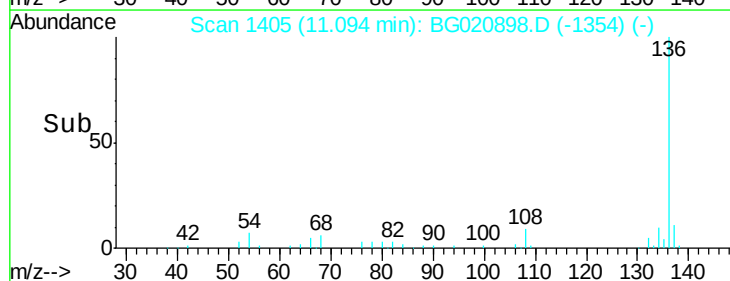
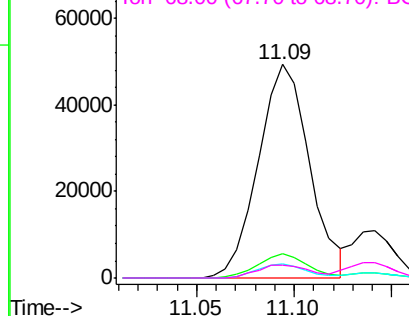
137 11.3 9.0 13.4

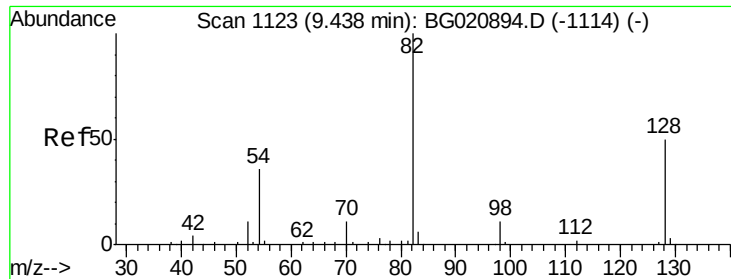
54 6.7 4.4 6.6#

68 6.3 5.0 7.6



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





#5

Nitrobenzene-d5

Concen: 82.12 ng

RT: 9.44 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BG020898.D

Acq: 12 Feb 2016 18:31

Instrument :

BNA\_G

ClientSampleId :

ICVBG021216

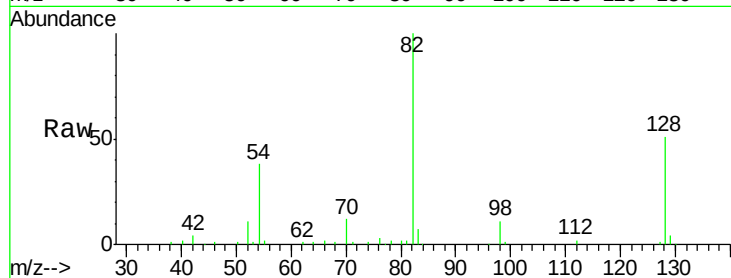
Tgt Ion: 82 Resp: 114371

Ion Ratio Lower Upper

82 100

128 51.1 29.0 43.4#

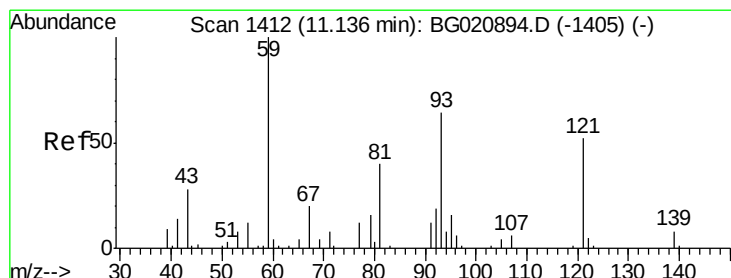
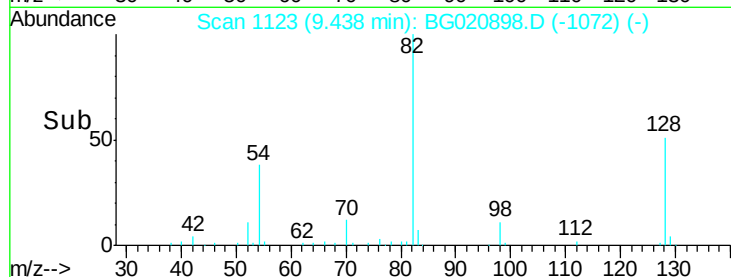
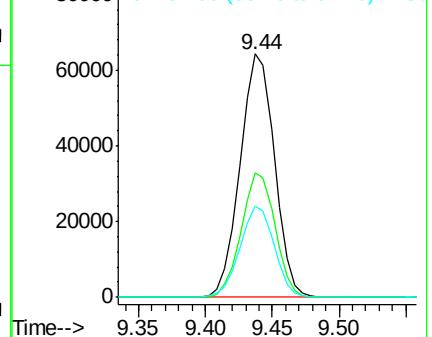
54 37.6 34.5 51.7



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#6

Terpineol

Concen: 41.07 ng

RT: 11.14 min Scan# 1413

Delta R.T. 0.01 min

Lab File: BG020898.D

Acq: 12 Feb 2016 18:31

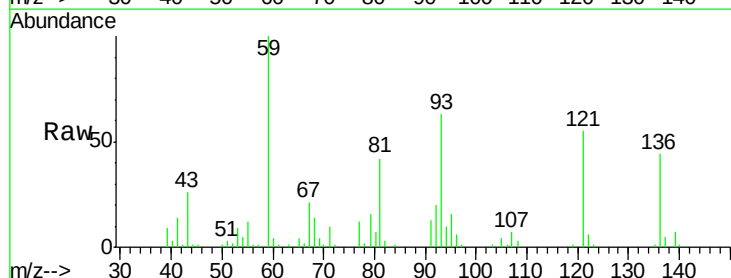
Tgt Ion: 59 Resp: 41532

Ion Ratio Lower Upper

59 100

93 62.8 118.9 178.3#

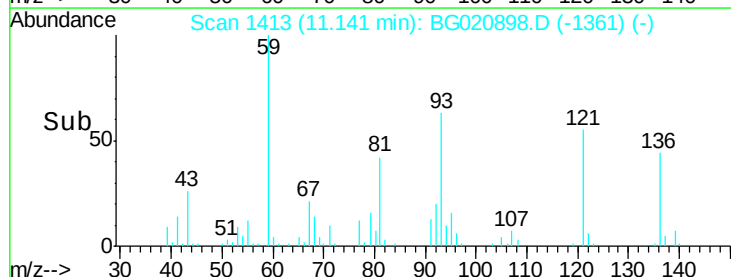
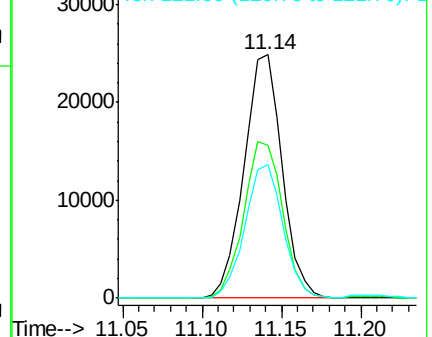
121 54.7 104.3 156.5#

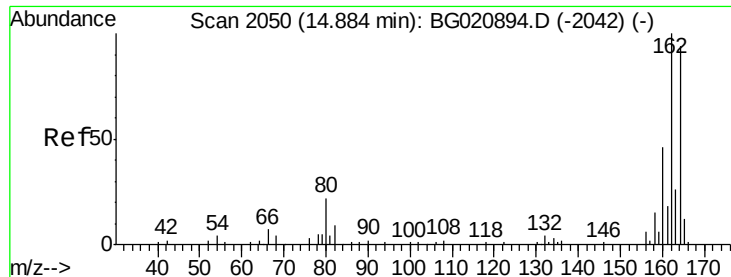


Abundance Ion 59.00 (58.70 to 59.70): BGC

Ion 93.00 (92.70 to 93.70): BGC

Ion 121.00 (120.70 to 121.70): BGC





#7

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.88 min Scan# 2050

Delta R.T. -0.00 min

Lab File: BG020898.D

Acq: 12 Feb 2016 18:31

Instrument :

BNA\_G

ClientSampleId :

ICVBG021216

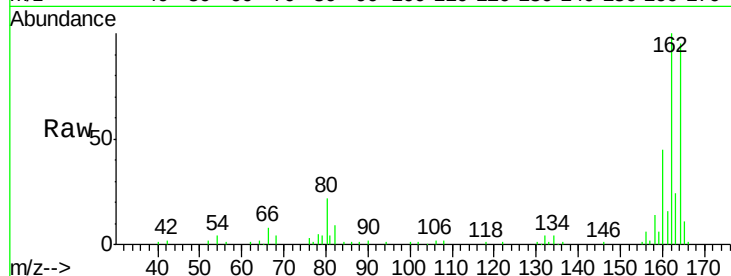
Tgt Ion:164 Resp: 54356

Ion Ratio Lower Upper

164 100

162 105.3 74.5 111.7

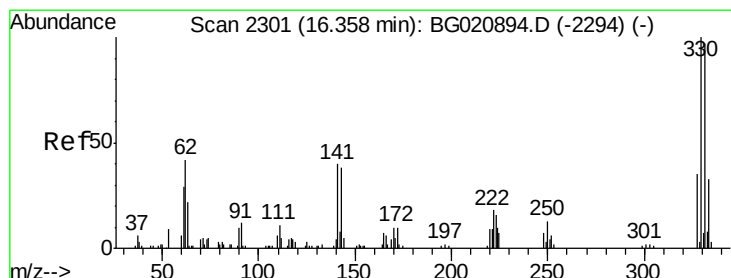
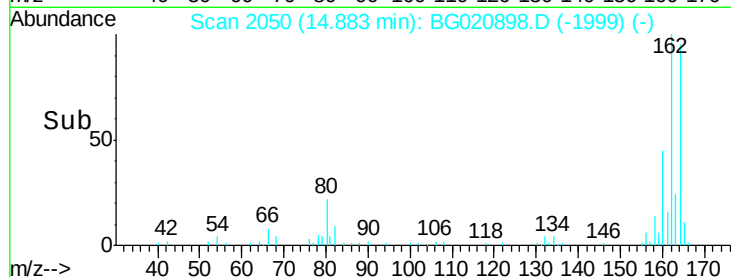
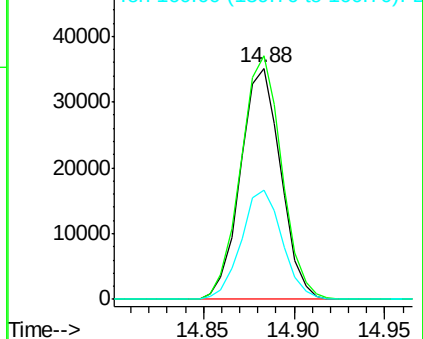
160 47.1 32.7 49.1



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



#8

2,4,6-Tribromophenol

Concen: 80.90 ng

RT: 16.36 min Scan# 2302

Delta R.T. 0.01 min

Lab File: BG020898.D

Acq: 12 Feb 2016 18:31

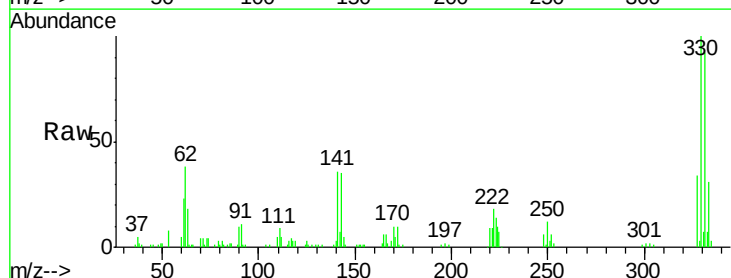
Tgt Ion:330 Resp: 48014

Ion Ratio Lower Upper

330 100

332 96.2 77.7 116.5

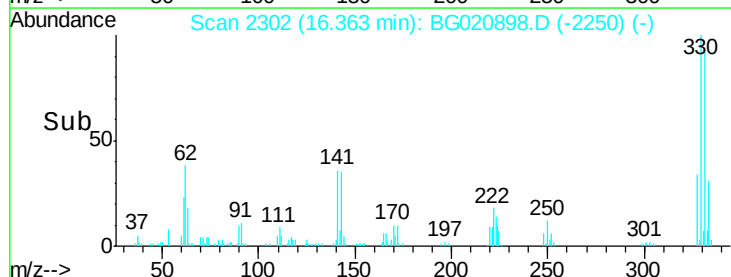
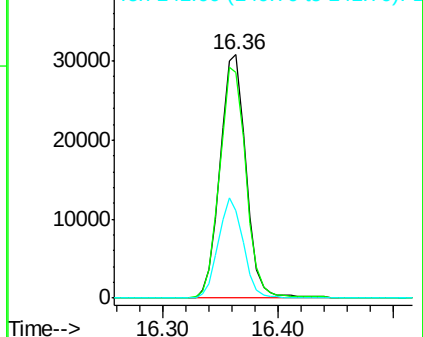
141 39.2 37.0 55.4

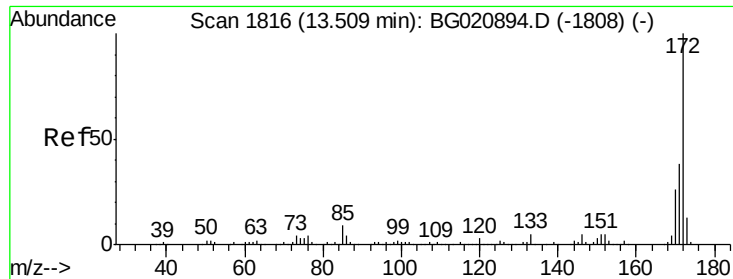


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

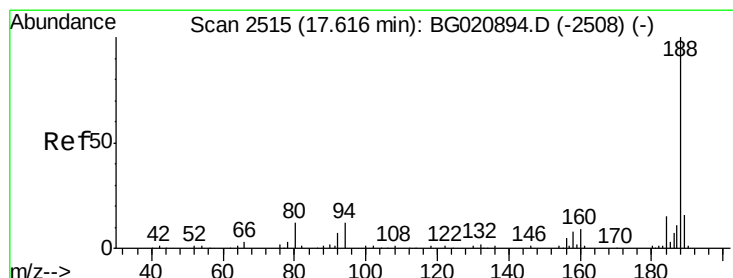
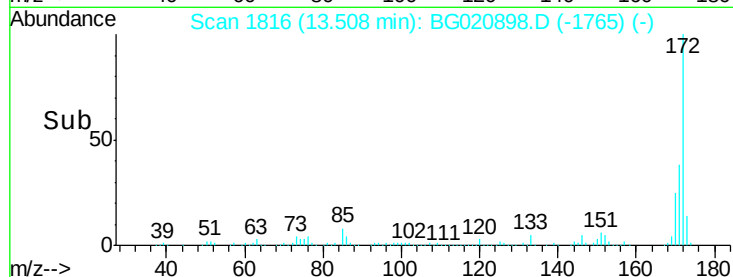
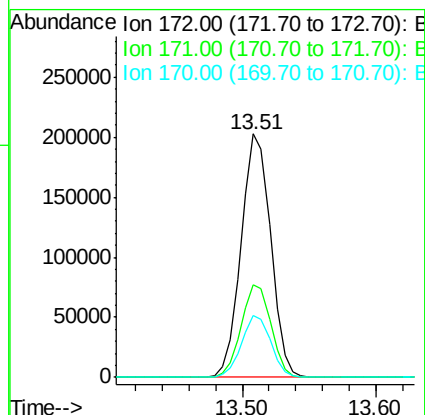
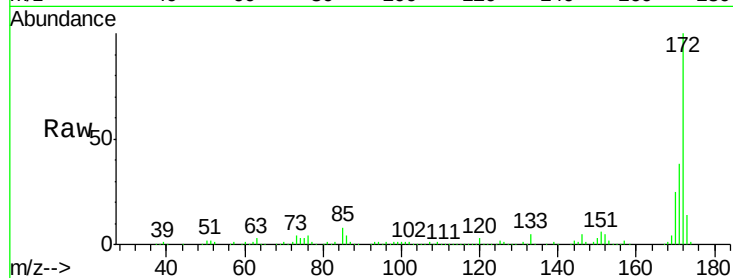




#9  
 2-Fluorobiphenyl  
 Concen: 80.78 ng  
 RT: 13.51 min Scan# 1816  
 Delta R.T. -0.00 min  
 Lab File: BG020898.D  
 Acq: 12 Feb 2016 18:31

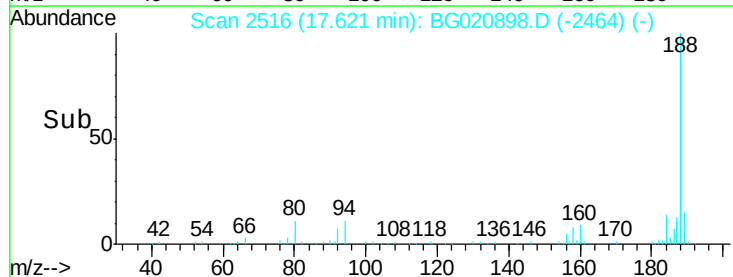
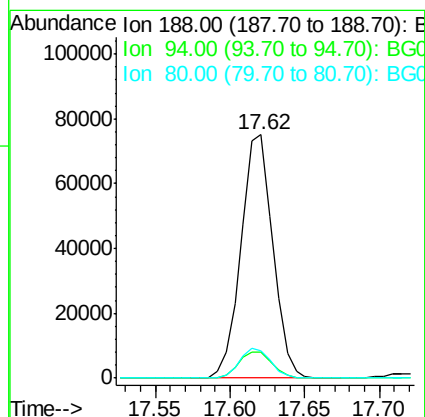
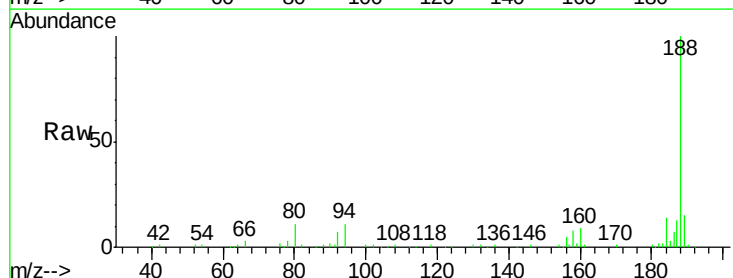
Instrument :  
 BNA\_G  
 ClientSampleId :  
 ICVBG021216

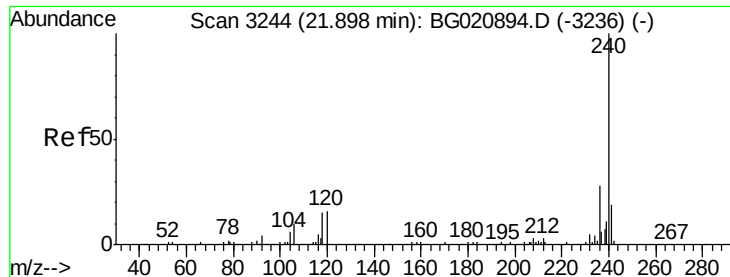
Tgt Ion:172 Resp: 309810  
 Ion Ratio Lower Upper  
 172 100  
 171 38.2 31.1 46.7  
 170 25.3 19.0 28.4



#10  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.62 min Scan# 2516  
 Delta R.T. 0.01 min  
 Lab File: BG020898.D  
 Acq: 12 Feb 2016 18:31

Tgt Ion:188 Resp: 111022  
 Ion Ratio Lower Upper  
 188 100  
 94 10.6 4.6 7.0#  
 80 11.2 5.6 8.4#





#11

Chrysene-d12

Concen: 20.00 ng

RT: 21.90 min Scan# 3244

Delta R.T. -0.00 min

Lab File: BG020898.D

Acq: 12 Feb 2016 18:31

Instrument :

BNA\_G

ClientSampleId :

ICVBG021216

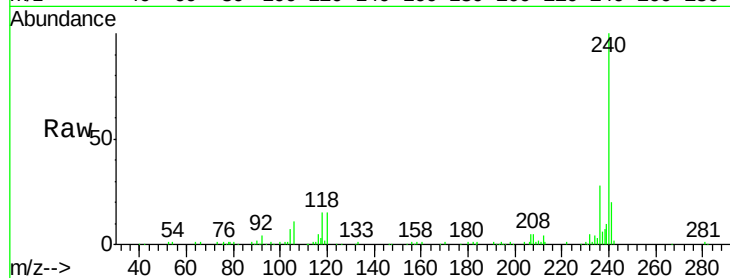
Tgt Ion:240 Resp: 106952

Ion Ratio Lower Upper

240 100

120 15.2 2.4 3.6#

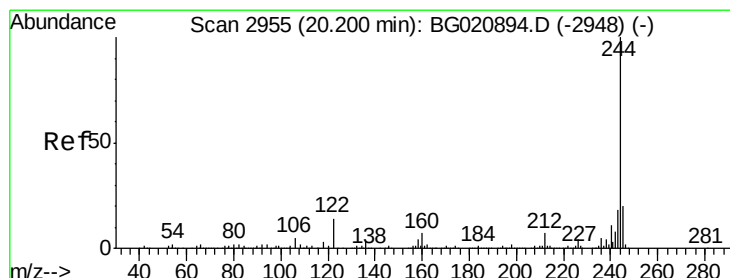
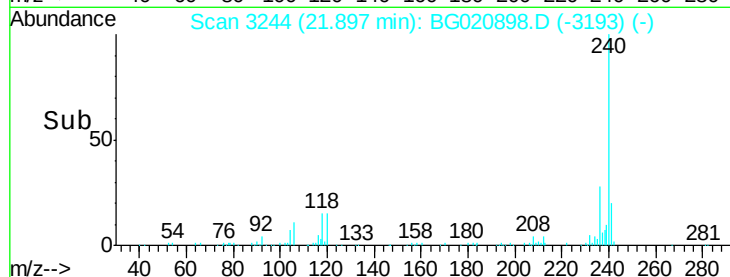
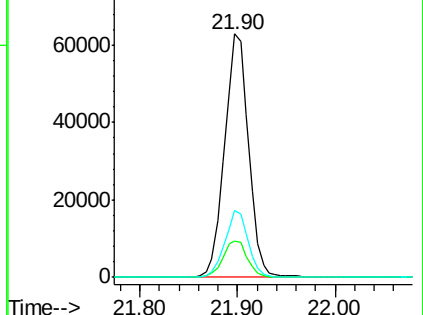
236 27.6 19.5 29.3



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



#12

Terphenyl-d14

Concen: 80.82 ng

RT: 20.20 min Scan# 2955

Delta R.T. -0.00 min

Lab File: BG020898.D

Acq: 12 Feb 2016 18:31

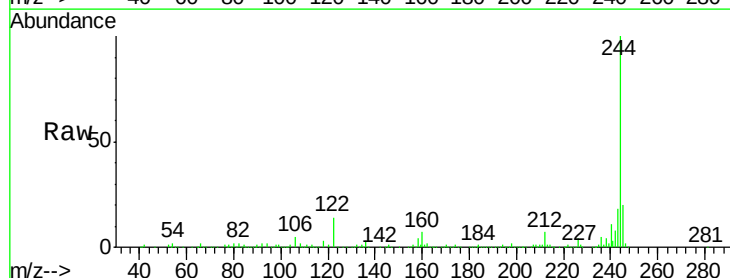
Tgt Ion:244 Resp: 410066

Ion Ratio Lower Upper

244 100

212 7.1 6.7 10.1

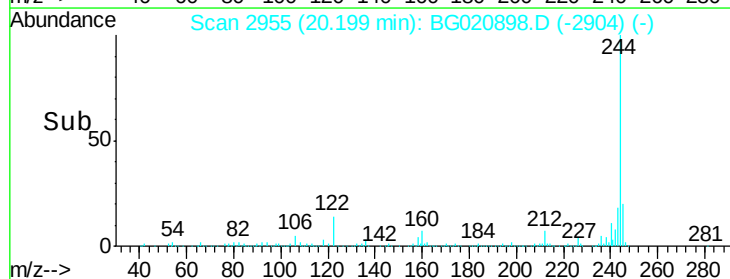
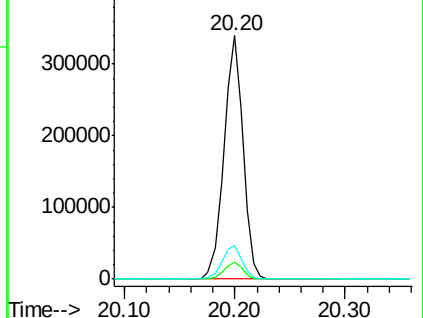
122 14.0 4.3 6.5#



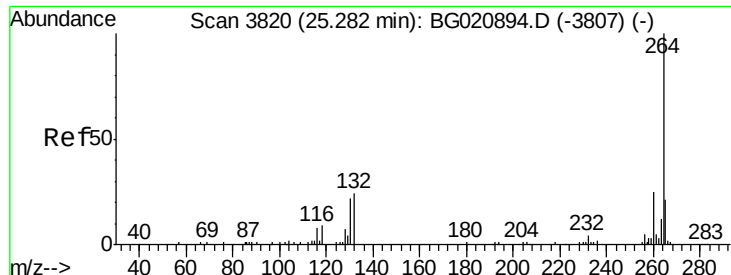
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



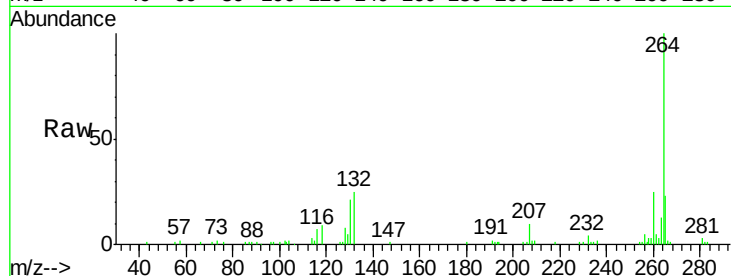




#13  
Perylene-d12  
Concen: 20.00 ng  
RT: 25.28 min Scan# 3820  
Delta R.T. -0.00 min  
Lab File: BG020898.D  
Acq: 12 Feb 2016 18:31

Instrument :  
BNA\_G  
ClientSampleId :  
ICVBG021216

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.9  | 17.3  | 25.9  |
| 265     | 22.8  | 17.9  | 26.9  |



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

