

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG091117\  
 Data File : BG028645.D  
 Acq On : 11 Sep 2017 17:12  
 Operator : SJ/JU  
 Sample : I5167-06  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CPS133061

Quant Time: Sep 12 04:41:01 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG090717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 07 18:39:50 2017  
 Response via : Initial Calibration

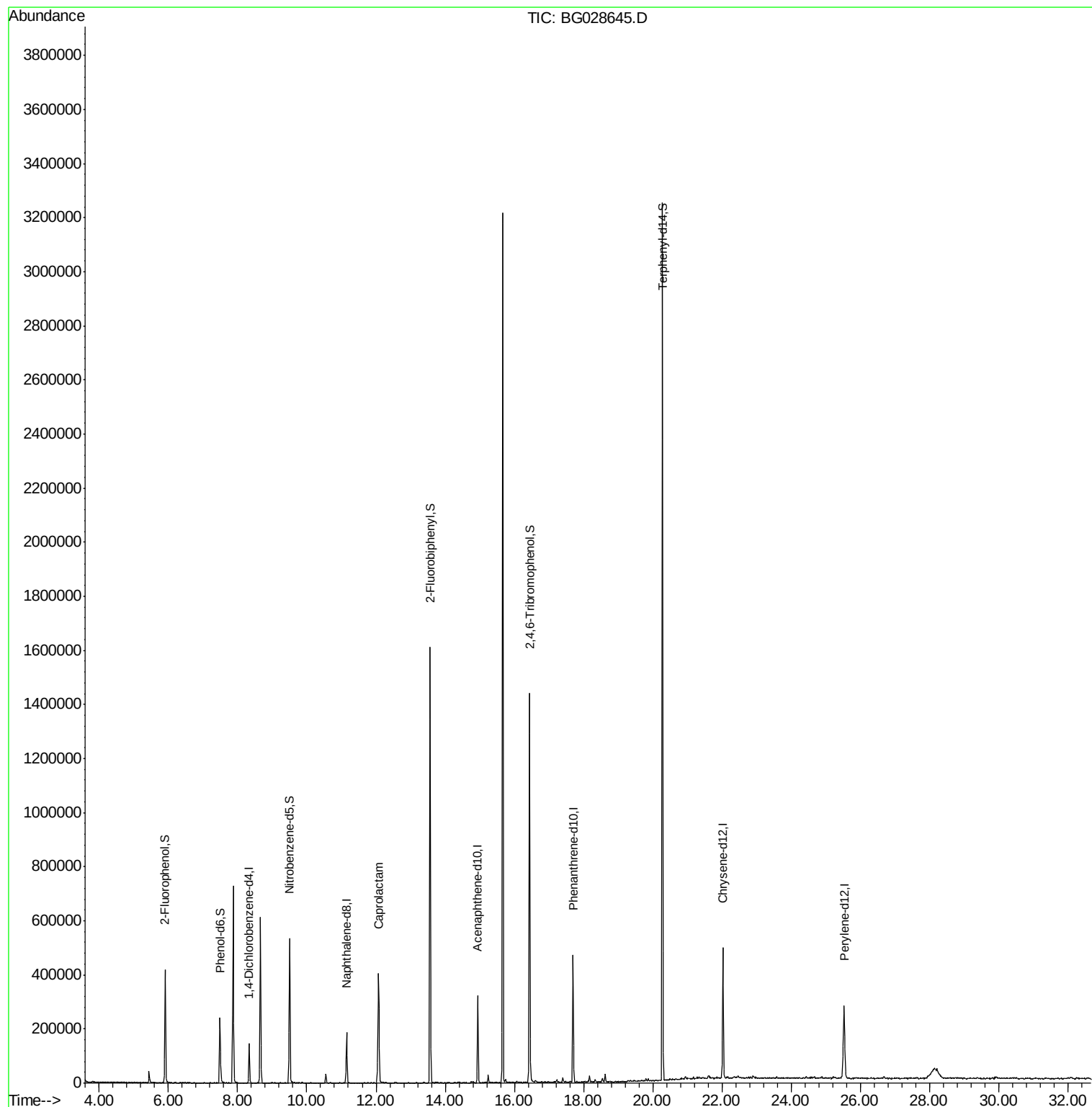
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.34  | 152  | 39763    | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 11.16 | 136  | 159353   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 14.94 | 164  | 115403   | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 17.69 | 188  | 301878   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 22.02 | 240  | 337820   | 20.00  | ng    | -0.01        |
| 86) Perylene-d12            | 25.53 | 264  | 325297   | 20.00  | ng    | -0.01        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.91  | 112  | 178448   | 75.56  | ng    | 0.00         |
| 7) Phenol-d6                | 7.49  | 99   | 155844   | 45.50  | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 9.50  | 82   | 337267   | 97.18  | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 16.44 | 330  | 301476   | 171.88 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 13.56 | 172  | 862873   | 97.82  | ng    | 0.00         |
| 78) Terphenyl-d14           | 20.28 | 244  | 1483447  | 94.61  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 35) Caprolactam             | 12.08 | 113  | 83732    | 82.052 | ng    | Qvalue<br>98 |

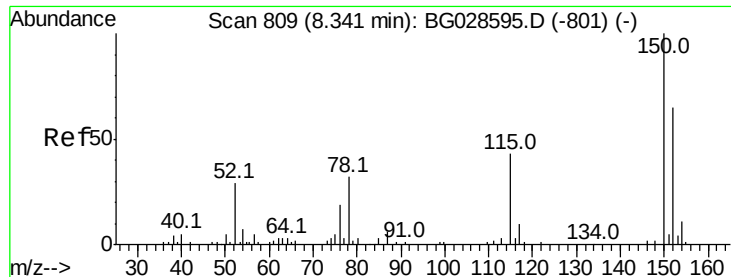
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



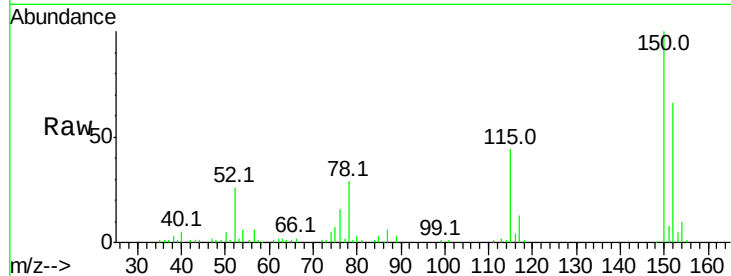


#1

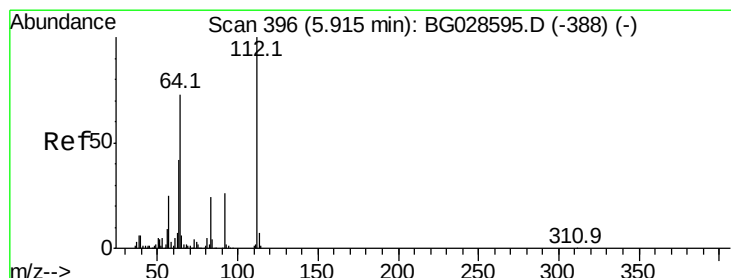
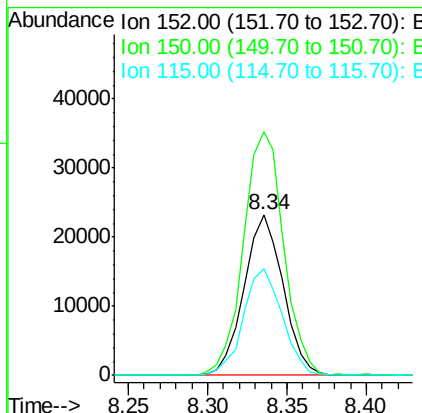
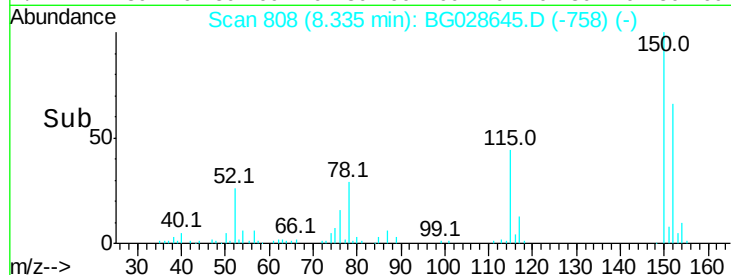
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.34 min Scan# 808  
Delta R.T. -0.01 min  
Lab File: BG028645.D  
Acq: 11 Sep 2017 17:12

Instrument :  
BNA\_G  
ClientSampleId :  
CPS133061

Tot Ion:152 Resp: 39763  
Ion Ratio Lower Upper  
152 100  
150 151.6 114.0 171.0  
115 66.5 48.1 72.1



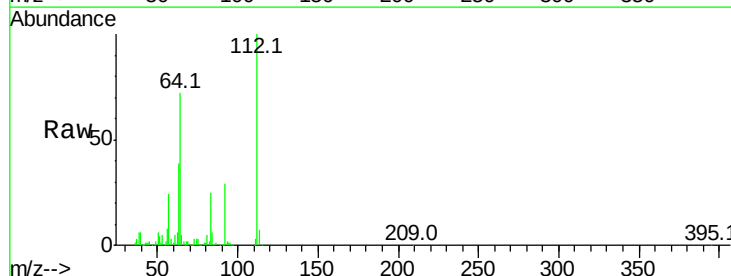
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



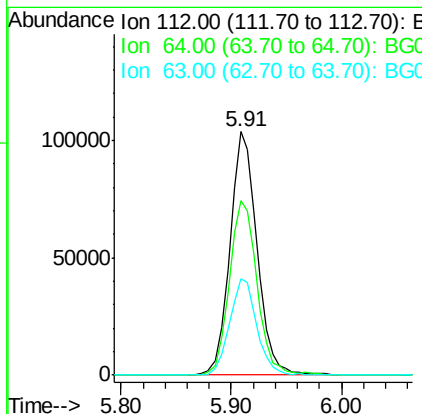
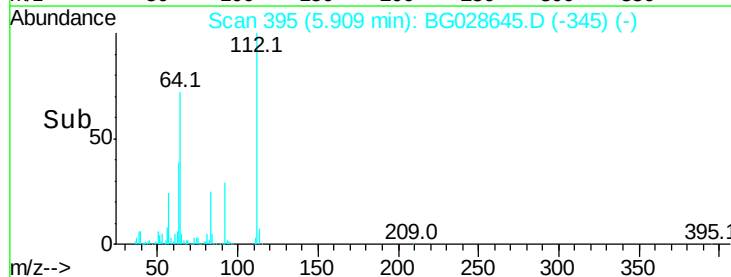
#5

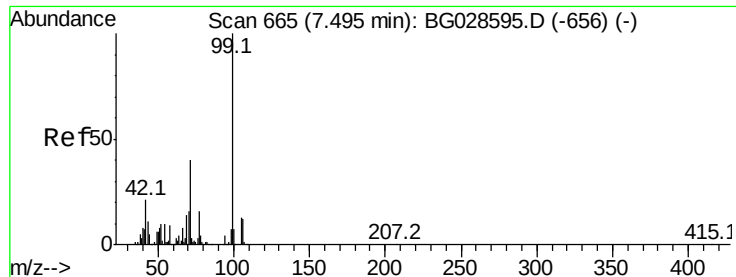
2-Fluorophenol  
Concen: 75.562 ng  
RT: 5.91 min Scan# 395  
Delta R.T. -0.01 min  
Lab File: BG028645.D  
Acq: 11 Sep 2017 17:12

Tgt Ion:112 Resp: 178448  
Ion Ratio Lower Upper  
112 100  
64 71.8 61.8 92.6  
63 39.4 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: 45.496 ng

RT: 7.49 min Scan# 664

Delta R.T. -0.01 min

Lab File: BG028645.D

Acq: 11 Sep 2017 17:12

Instrument :

BNA\_G

ClientSampled :

CPS133061

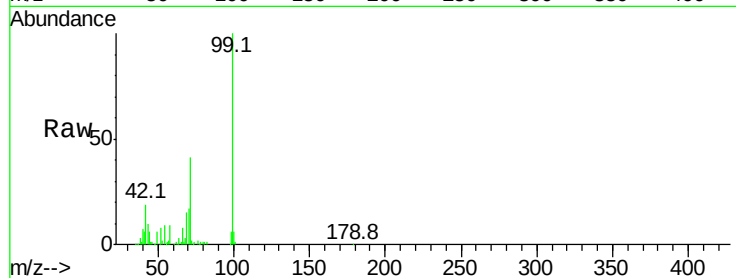
Tot Ion: 99 Resp: 155844

Ion Ratio Lower Upper

99 100

42 19.1 20.5 30.7#

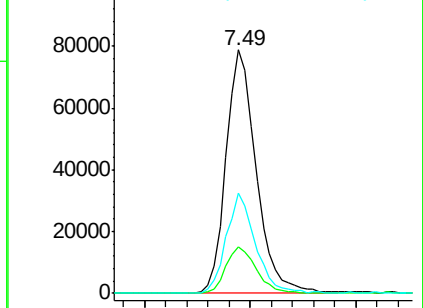
71 41.0 37.6 56.4



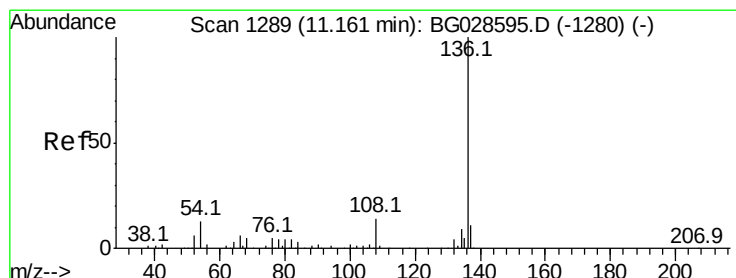
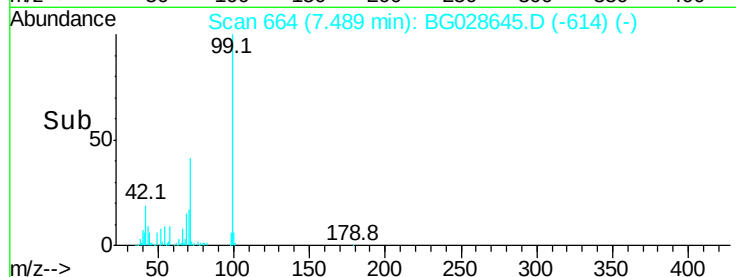
Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.16 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BG028645.D

Acq: 11 Sep 2017 17:12

Tgt Ion: 136 Resp: 159353

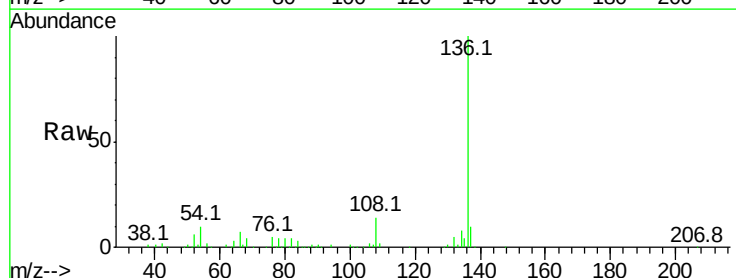
Ion Ratio Lower Upper

136 100

137 10.4 8.9 13.3

54 10.4 9.3 13.9

68 4.5 5.1 7.7#

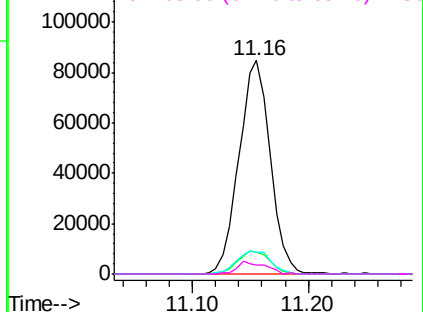


Abundance Ion 136.00 (135.70 to 136.70): BGC

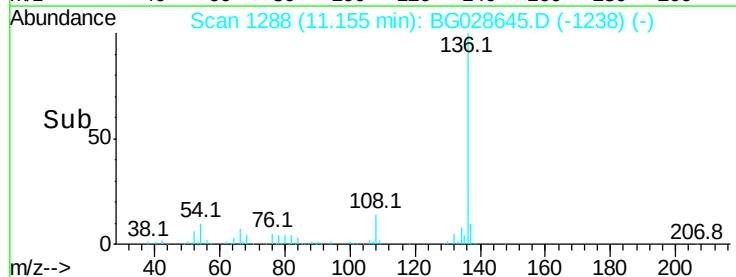
Ion 137.00 (136.70 to 137.70): BGC

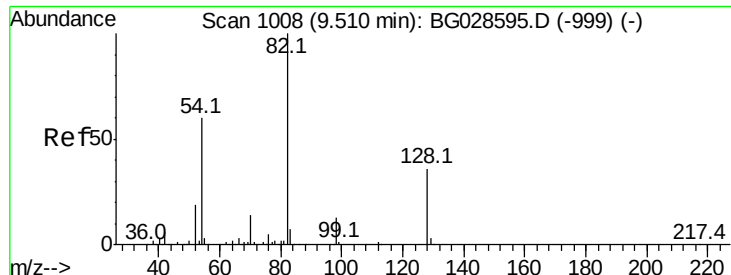
Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



Time-->

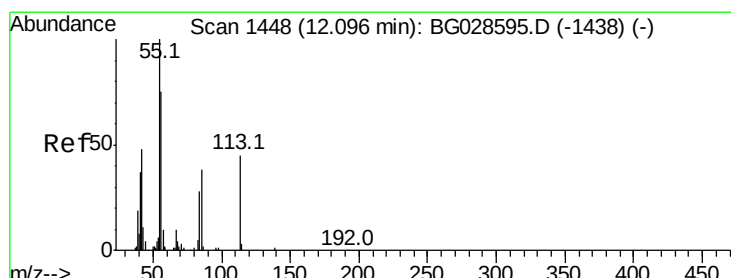
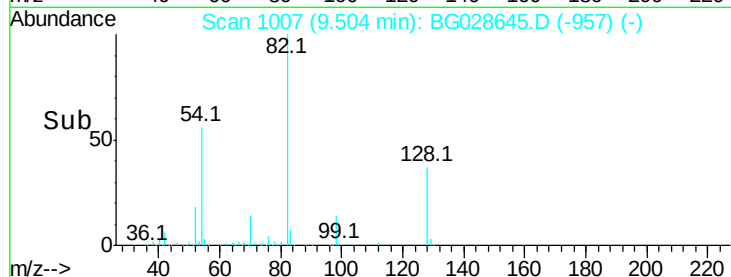
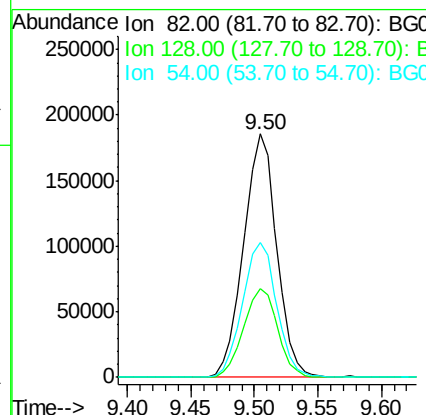
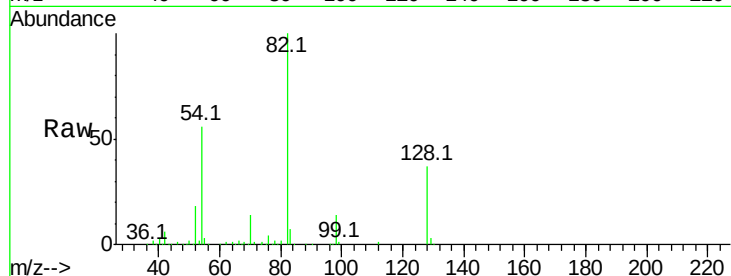




#23  
 Nitrobenzene-d5  
 Concen: 97.184 ng  
 RT: 9.50 min Scan# 1007  
 Delta R.T. -0.01 min  
 Lab File: BG028645.D  
 Acq: 11 Sep 2017 17:12

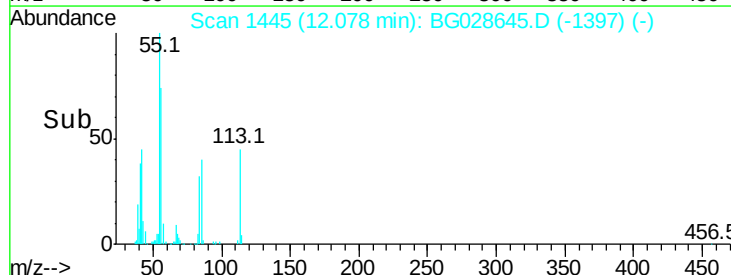
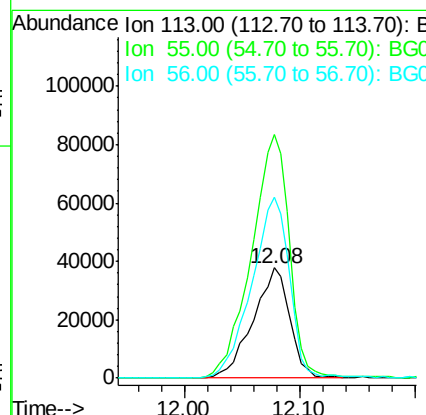
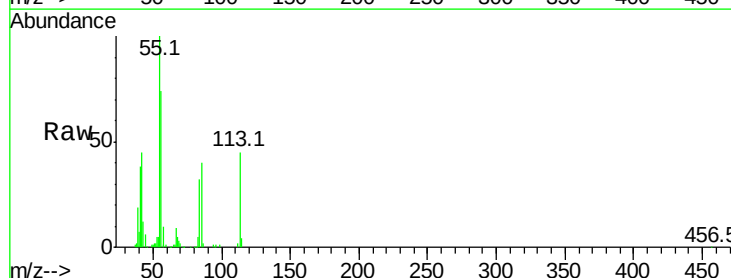
Instrument :  
 BNA\_G  
 ClientSampleId :  
 CPS133061

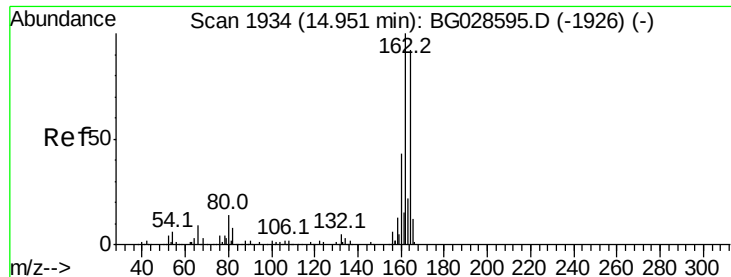
Tot Ion: 82 Resp: 337267  
 Ion Ratio Lower Upper  
 82 100  
 128 36.5 26.4 39.6  
 54 55.6 49.4 74.2



#35  
 Caprolactam  
 Concen: 82.052 ng  
 RT: 12.08 min Scan# 1445  
 Delta R.T. -0.02 min  
 Lab File: BG028645.D  
 Acq: 11 Sep 2017 17:12

Tgt Ion: 113 Resp: 83732  
 Ion Ratio Lower Upper  
 113 100  
 55 220.9 198.6 238.6  
 56 163.8 140.4 180.4





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.94 min Scan# 1933

Delta R.T. -0.01 min

Lab File: BG028645.D

Acq: 11 Sep 2017 17:12

Instrument :

BNA\_G

ClientSampleId :

CPS133061

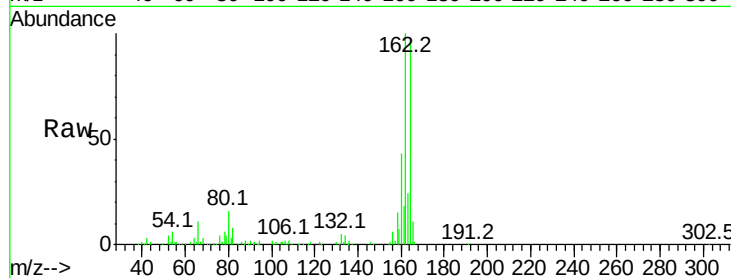
Tot Ion:164 Resp: 115403

Ion Ratio Lower Upper

164 100

162 102.6 85.1 127.7

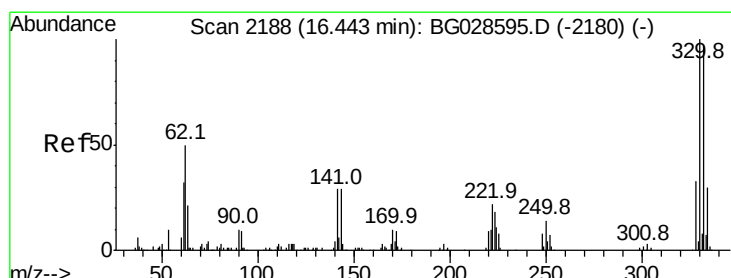
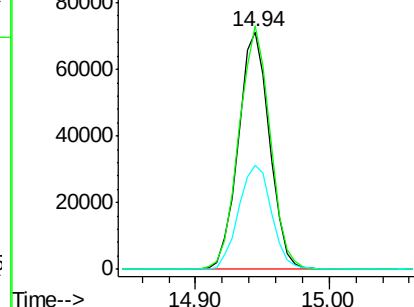
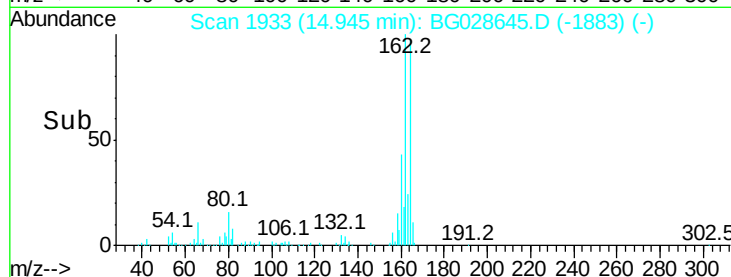
160 43.7 34.7 52.1



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



#41

2,4,6-Tribromophenol

Concen: 171.878 ng

RT: 16.44 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BG028645.D

Acq: 11 Sep 2017 17:12

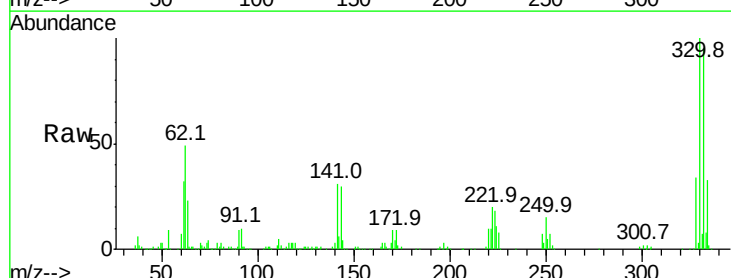
Tgt Ion:330 Resp: 301476

Ion Ratio Lower Upper

330 100

332 96.1 77.3 115.9

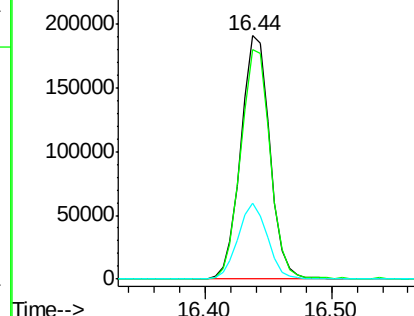
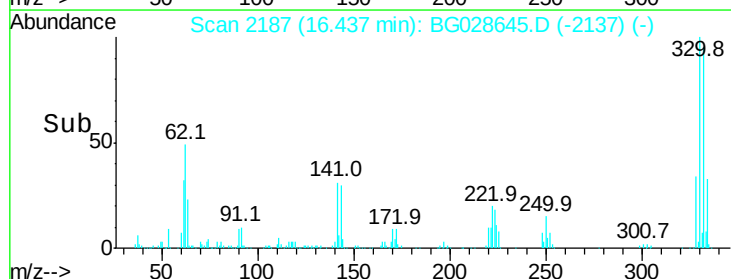
141 31.4 32.1 48.1#

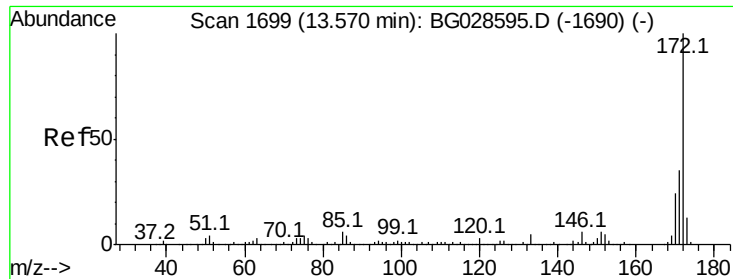


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

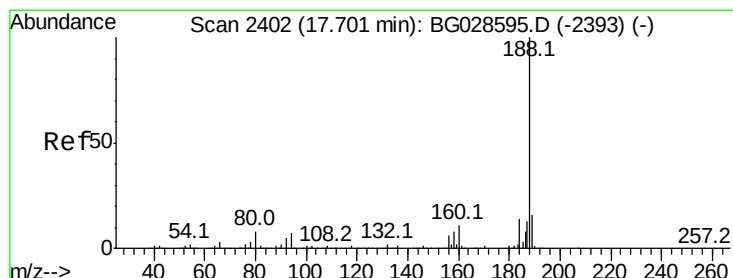
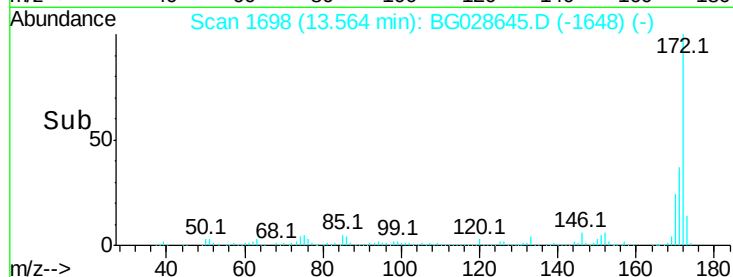
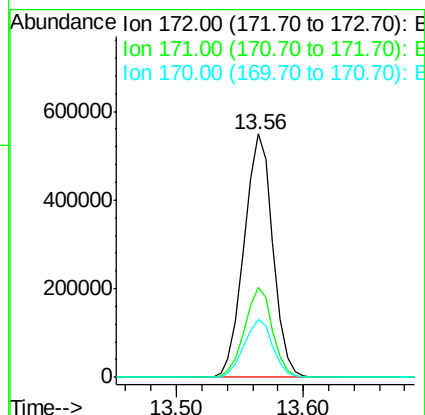
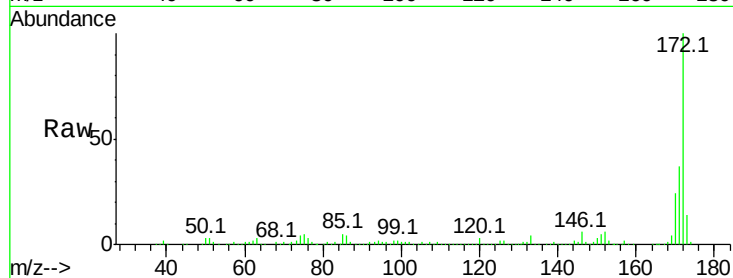




#44  
 2-Fluorobiphenyl  
 Concen: 97.817 ng  
 RT: 13.56 min Scan# 1698  
 Delta R.T. -0.01 min  
 Lab File: BG028645.D  
 Acq: 11 Sep 2017 17:12

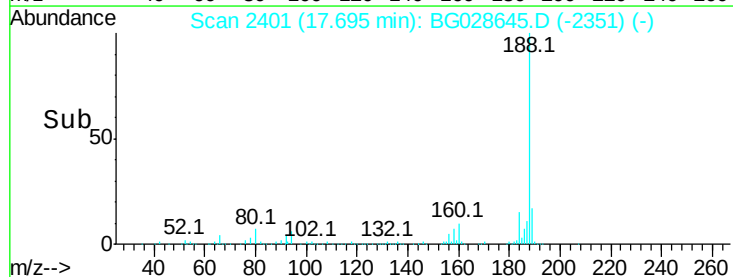
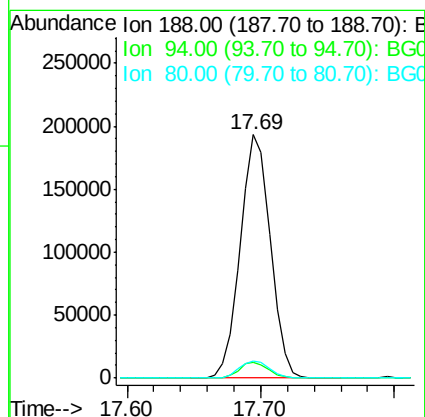
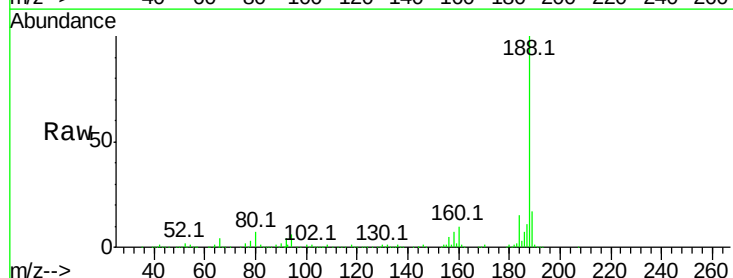
Instrument :  
 BNA\_G  
 ClientSampleId :  
 CPS133061

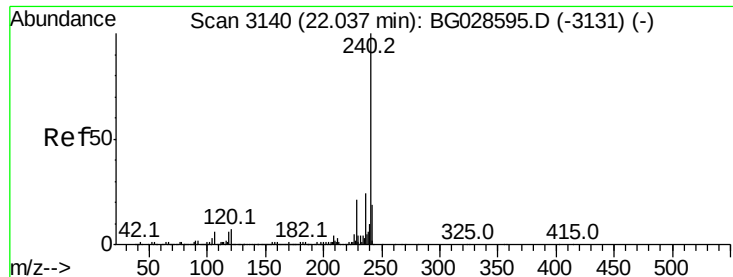
Tot Ion:172 Resp: 862873  
 Ion Ratio Lower Upper  
 172 100  
 171 37.2 32.2 48.2  
 170 23.8 21.8 32.6



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.69 min Scan# 2401  
 Delta R.T. -0.01 min  
 Lab File: BG028645.D  
 Acq: 11 Sep 2017 17:12

Tgt Ion:188 Resp: 301878  
 Ion Ratio Lower Upper  
 188 100  
 94 6.4 5.8 8.8  
 80 7.2 7.5 11.3#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.02 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BG028645.D

Acq: 11 Sep 2017 17:12

Instrument :

BNA\_G

ClientSampleId :

CPS133061

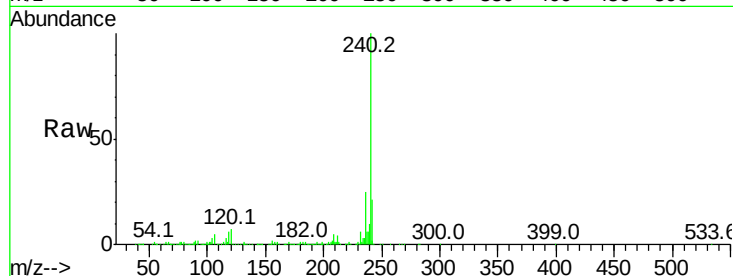
Tot Ion:240 Resp: 337820

Ion Ratio Lower Upper

240 100

120 6.8 5.7 8.5

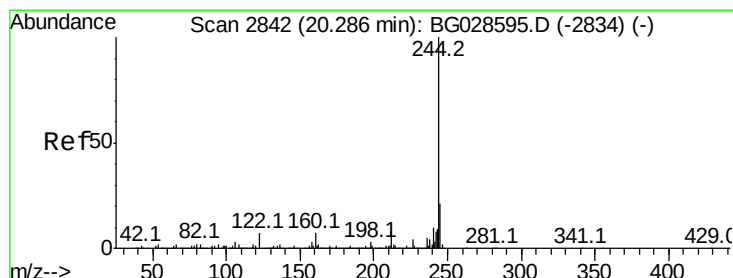
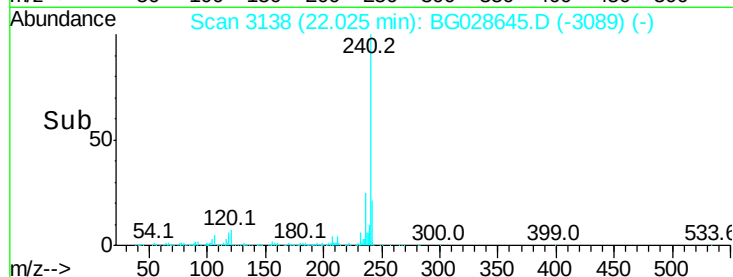
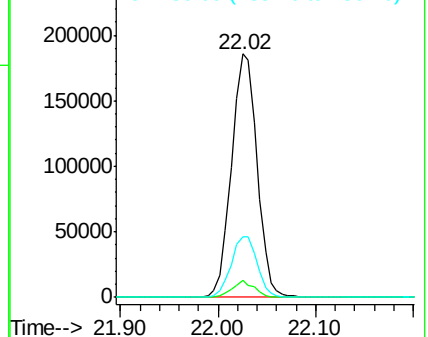
236 24.9 22.2 33.4



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: 94.610 ng

RT: 20.28 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BG028645.D

Acq: 11 Sep 2017 17:12

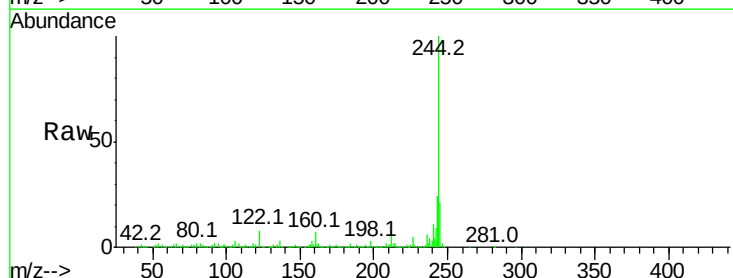
Tgt Ion:244 Resp: 1483447

Ion Ratio Lower Upper

244 100

212 8.3 10.0 15.0#

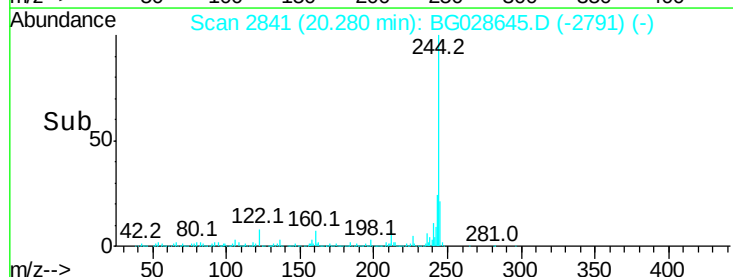
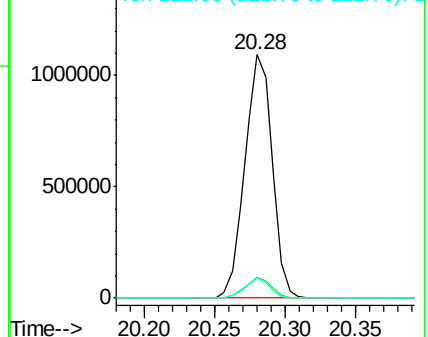
122 8.1 8.6 12.8#



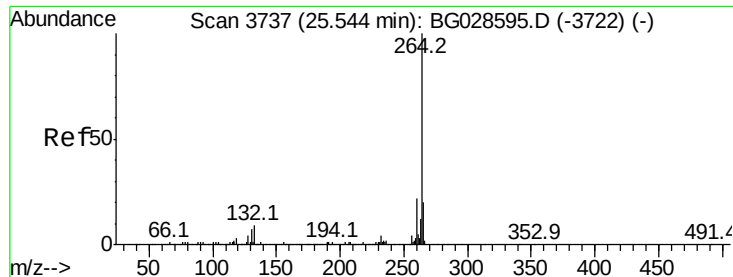
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 25.53 min Scan# 3735  
 Delta R.T. -0.01 min  
 Lab File: BG028645.D  
 Acq: 11 Sep 2017 17:12

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CPS133061

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 21.6  | 21.8  | 32.8# |
| 265     | 20.9  | 18.2  | 27.4  |

