

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050915\  
 Data File : BG016997.D  
 Acq On : 9 May 2015 19:48  
 Operator : TP/IZ  
 Sample : G2183-04  
 Misc : 625 SURR ADDED  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-2

Quant Time: May 19 07:29:21 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG050515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 05 16:13:58 2015  
 Response via : Initial Calibration

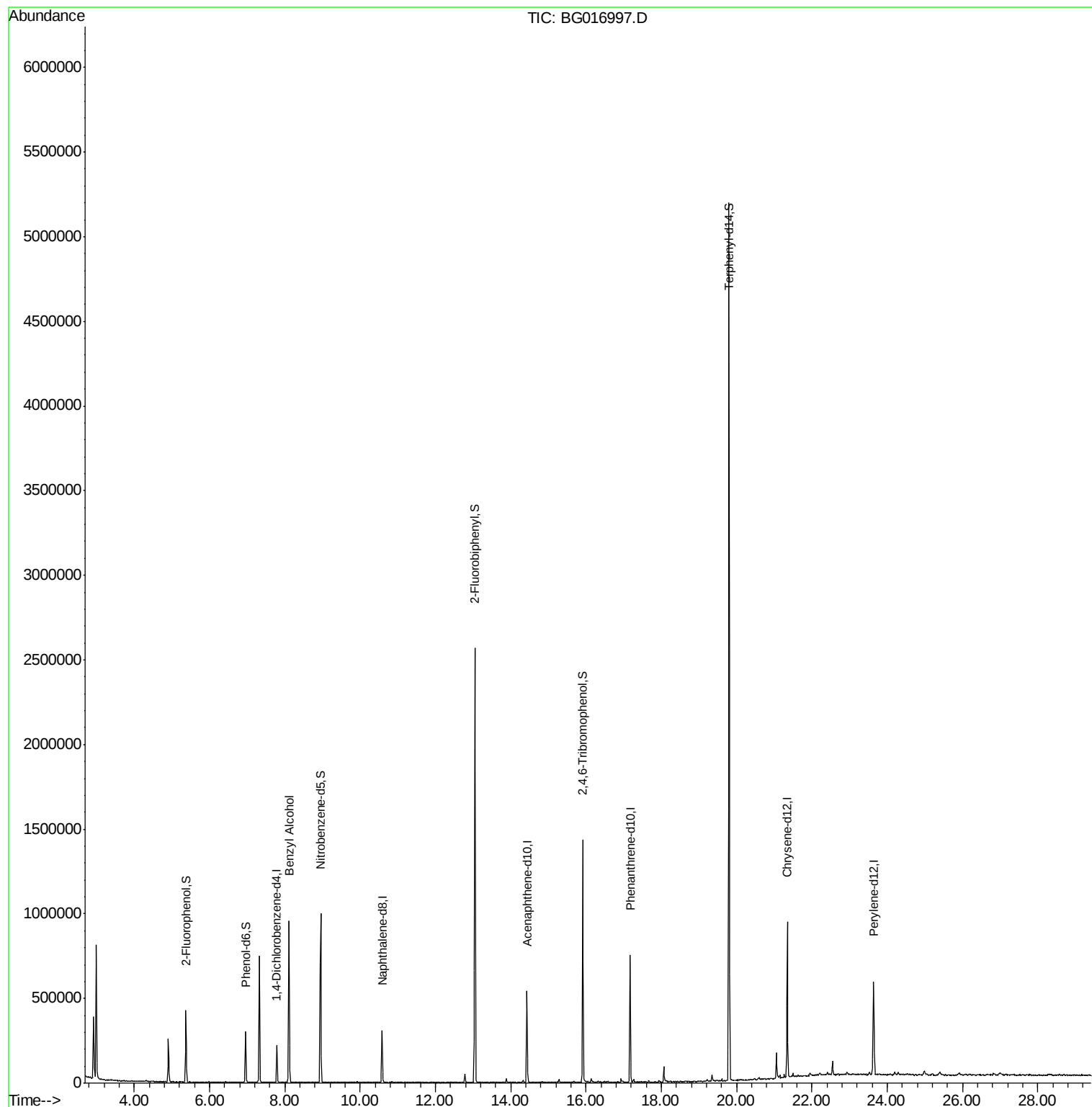
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.79  | 152  | 49643    | 20.00     | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.58 | 136  | 237163   | 20.00     | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.43 | 164  | 163712   | 20.00     | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.17 | 188  | 397015   | 20.00     | ng    | -0.02    |
| 75) Chrysene-d12            | 21.35 | 240  | 388931   | 20.00     | ng    | -0.02    |
| 86) Perylene-d12            | 23.64 | 264  | 374872   | 20.00     | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |           |       |          |
| 5) 2-Fluorophenol           | 5.37  | 112  | 147965   | 51.90     | ng    | -0.02    |
| 7) Phenol-d6                | 6.96  | 99   | 135943   | 33.38     | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.95  | 82   | 530533   | 109.28    | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 15.91 | 330  | 198068   | 120.52    | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.05 | 172  | 1096415  | 101.06    | ng    | -0.02    |
| 78) Terphenyl-d14           | 19.80 | 244  | 1962150  | 118.27    | ng    | -0.02    |
| Target Compounds            |       |      |          |           |       |          |
| 15) Benzyl Alcohol          | 8.11  | 79   | 8268     | 2.22      | ng    | # 54     |
| 32) Benzoic acid            | 9.83  | 122  | 73       | Below Cal |       | # 71     |

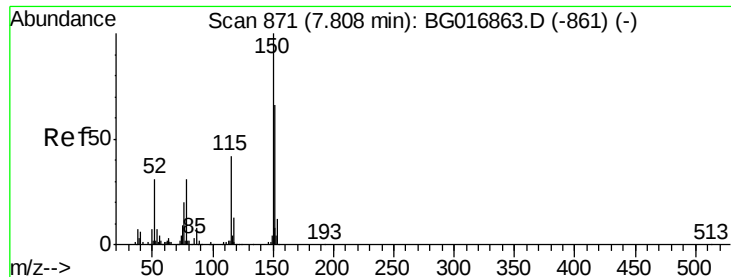
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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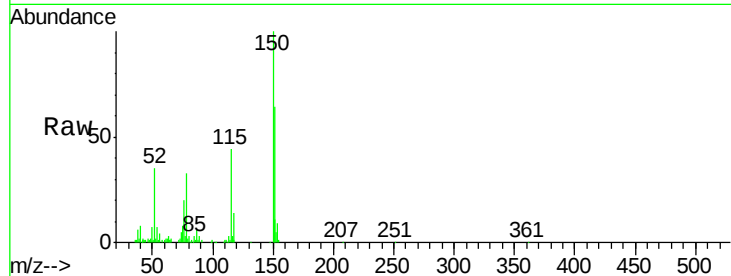


#1

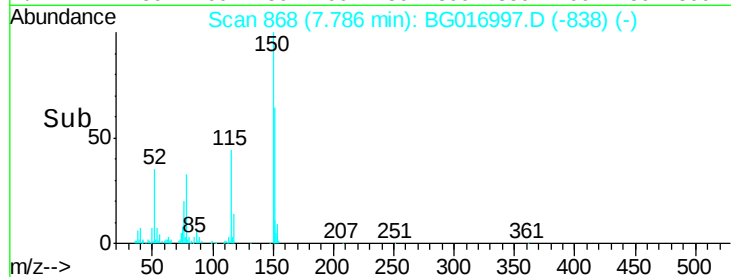
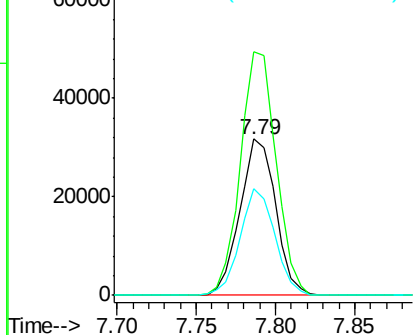
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.79 min Scan# 868  
Delta R.T. -0.02 min  
Lab File: BG016997.D  
Acq: 9 May 2015 19:48

Instrument :  
BNA\_G  
ClientSampleId :  
SB-2

Tgt Ion:152 Resp: 49643  
Ion Ratio Lower Upper  
152 100  
150 156.0 121.0 181.4  
115 68.7 50.5 75.7



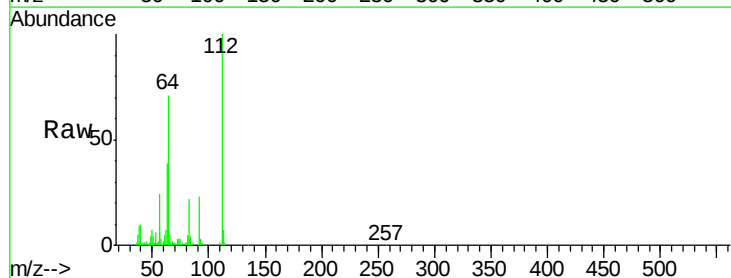
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



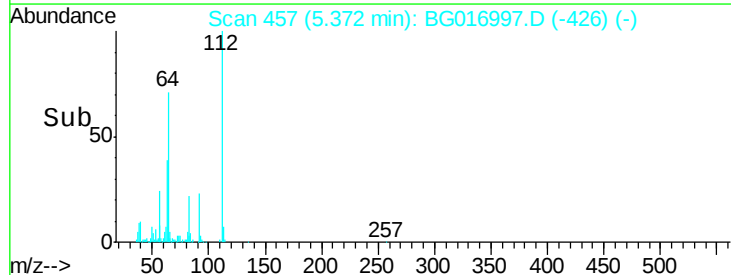
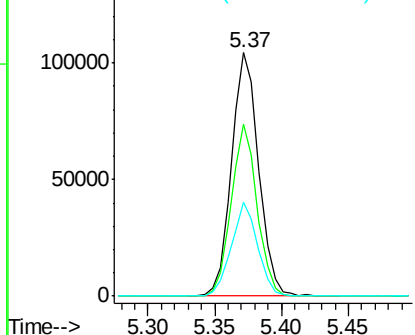
#5

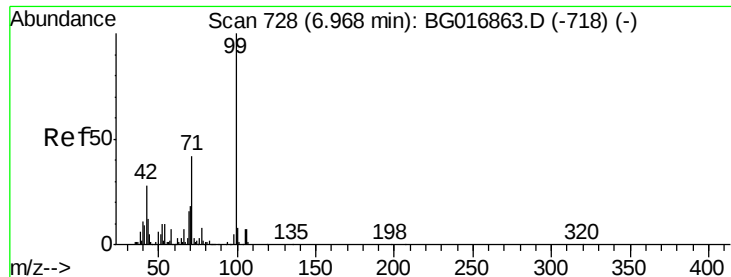
2-Fluorophenol  
Concen: 51.90 ng  
RT: 5.37 min Scan# 457  
Delta R.T. -0.02 min  
Lab File: BG016997.D  
Acq: 9 May 2015 19:48

Tgt Ion:112 Resp: 147965  
Ion Ratio Lower Upper  
112 100  
64 70.5 51.4 77.2  
63 38.7 28.1 42.1



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: 33.38 ng

RT: 6.96 min Scan# 727

Delta R.T. -0.01 min

Lab File: BG016997.D

Acq: 9 May 2015 19:48

Instrument :

BNA\_G

ClientSampleId :

SB-2

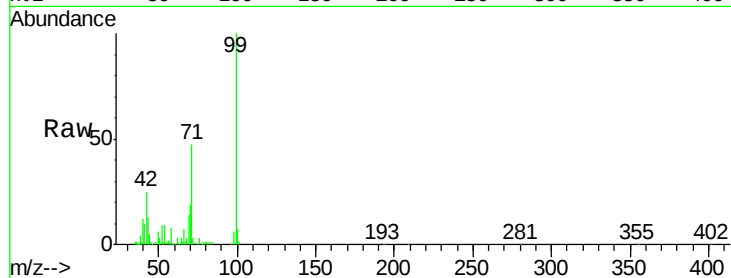
Tgt Ion: 99 Resp: 135943

Ion Ratio Lower Upper

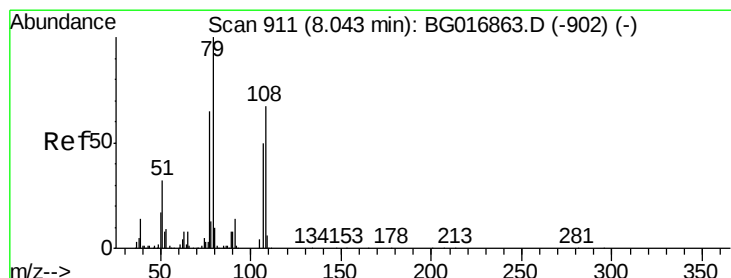
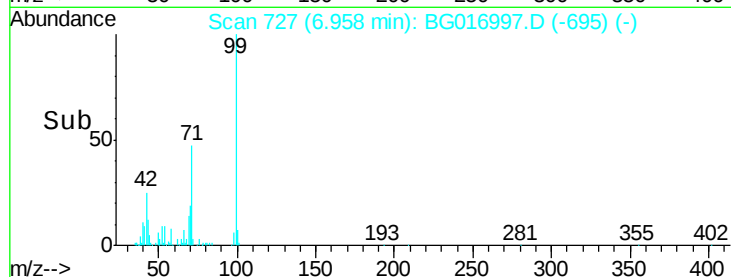
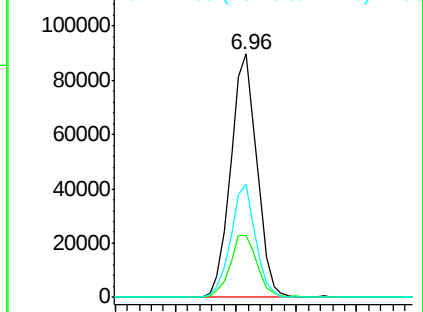
99 100

42 25.3 22.1 33.1

71 46.7 33.4 50.0



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



#15

Benzyl Alcohol

Concen: 2.22 ng

RT: 8.11 min Scan# 923

Delta R.T. 0.07 min

Lab File: BG016997.D

Acq: 9 May 2015 19:48

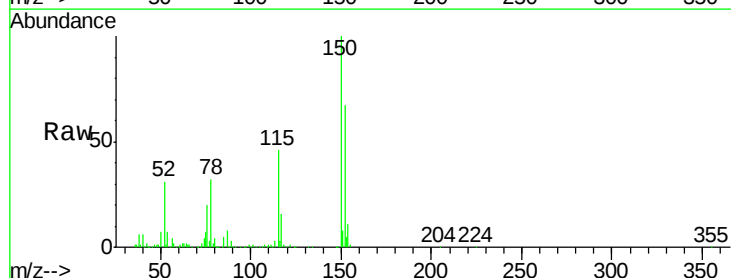
Tgt Ion: 79 Resp: 8268

Ion Ratio Lower Upper

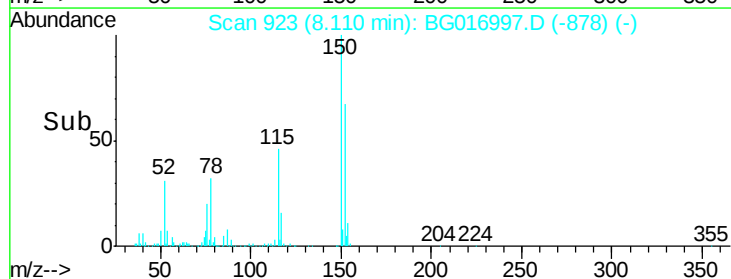
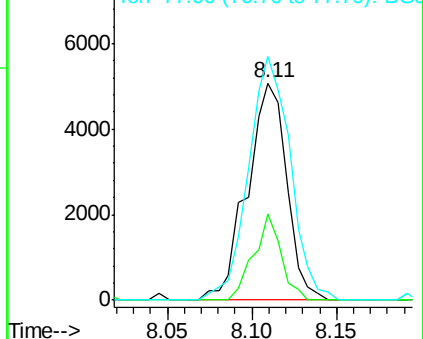
79 100

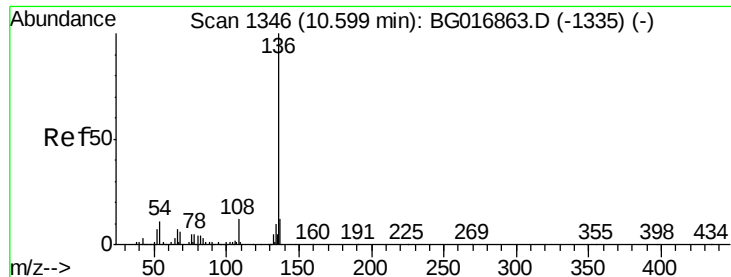
108 39.9 53.4 80.2#

77 112.2 52.2 78.2#



Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 108.00 (107.70 to 108.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC

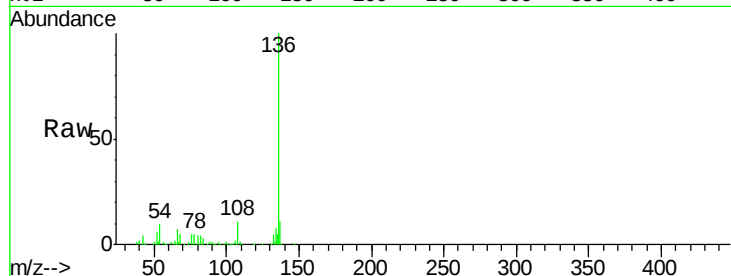




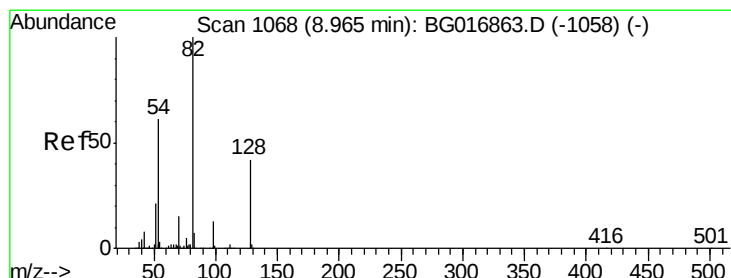
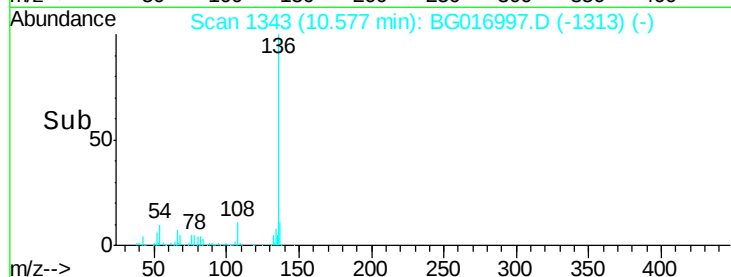
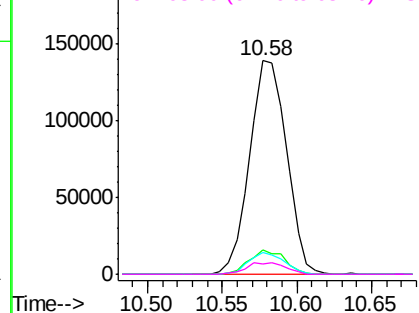
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.58 min Scan# 1343  
Delta R.T. -0.02 min  
Lab File: BG016997.D  
Acq: 9 May 2015 19:48

Instrument :  
BNA\_G  
ClientSampleId :  
SB-2

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 237163 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 9.8   | 14.8   |
| 54       | 10.3  | 8.7   | 13.1   |
| 68       | 5.1   | 5.0   | 7.4    |

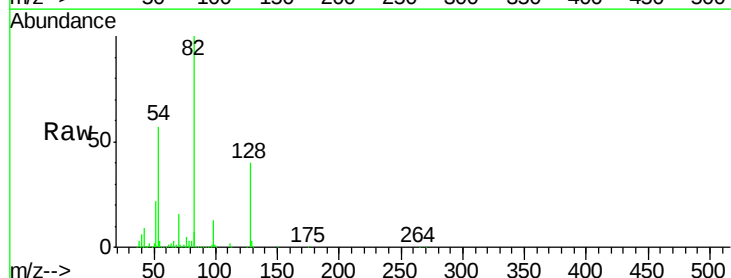


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

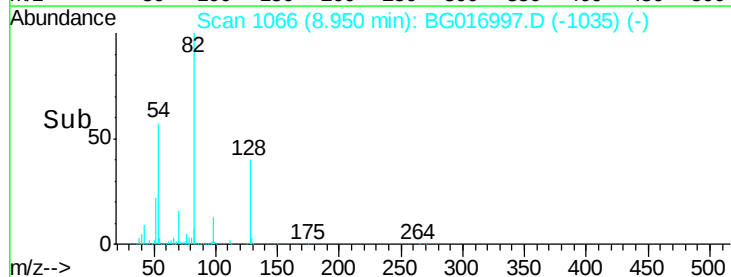
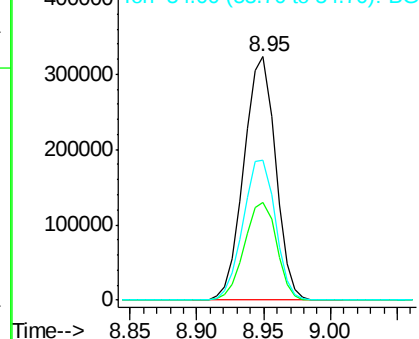


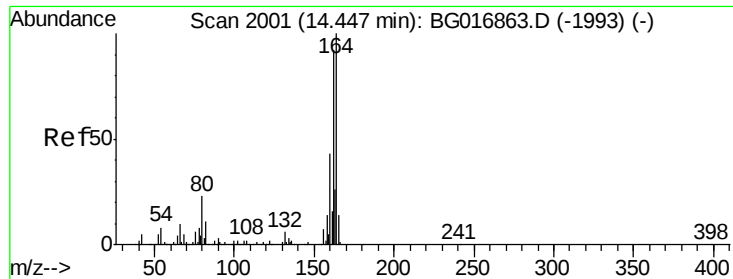
#23  
Nitrobenzene-d5  
Concen: 109.28 ng  
RT: 8.95 min Scan# 1066  
Delta R.T. -0.02 min  
Lab File: BG016997.D  
Acq: 9 May 2015 19:48

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 530533 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 40.2  | 33.2  | 49.8   |
| 54       | 57.3  | 48.6  | 72.8   |



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.43 min Scan# 1998

Delta R.T. -0.02 min

Lab File: BG016997.D

Acq: 9 May 2015 19:48

Instrument :

BNA\_G

ClientSampleId :

SB-2

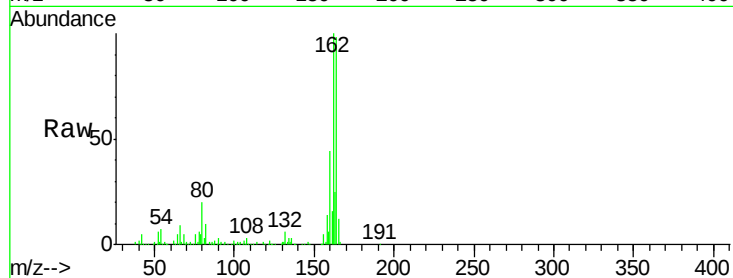
Tgt Ion:164 Resp: 163712

Ion Ratio Lower Upper

164 100

162 101.6 74.0 111.0

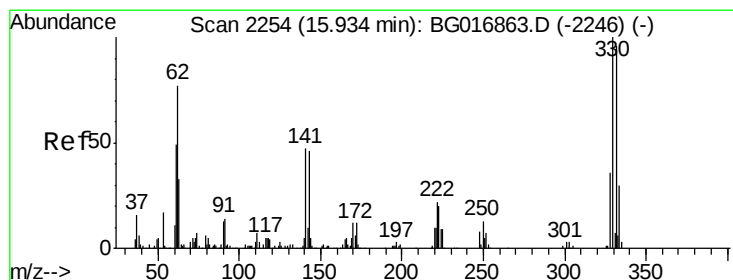
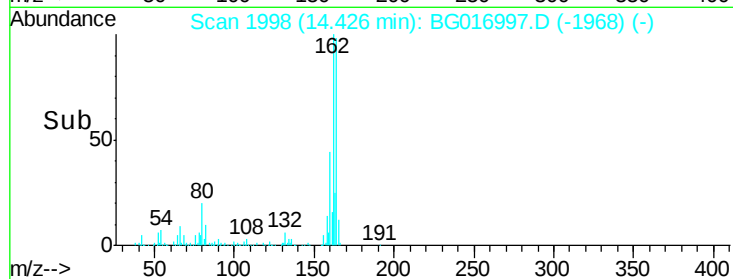
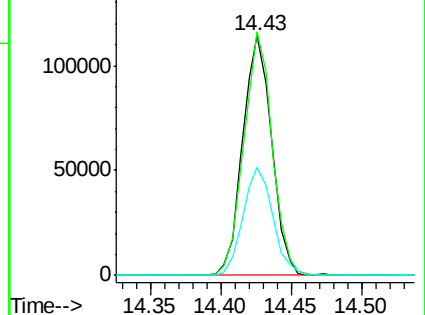
160 45.1 34.7 52.1



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: 120.52 ng

RT: 15.91 min Scan# 2251

Delta R.T. -0.02 min

Lab File: BG016997.D

Acq: 9 May 2015 19:48

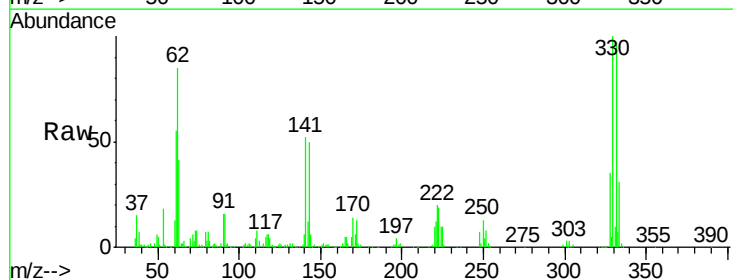
Tgt Ion:330 Resp: 198068

Ion Ratio Lower Upper

330 100

332 95.6 0.0 0.0#

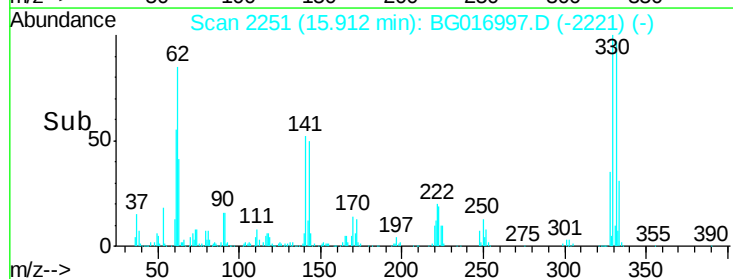
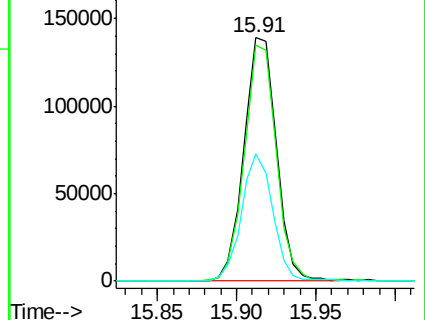
141 50.5 0.0 0.0#

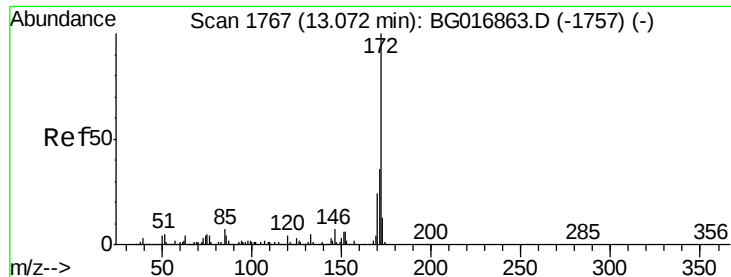


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

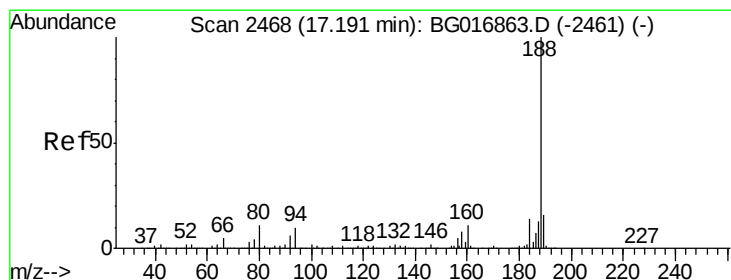
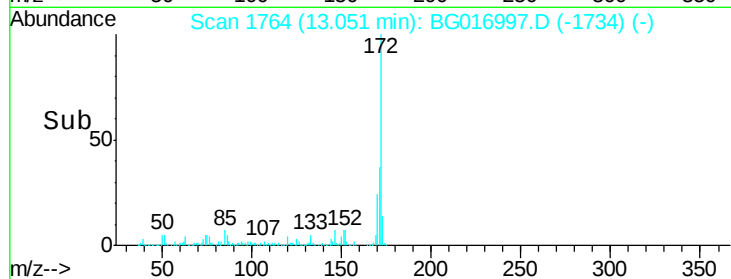
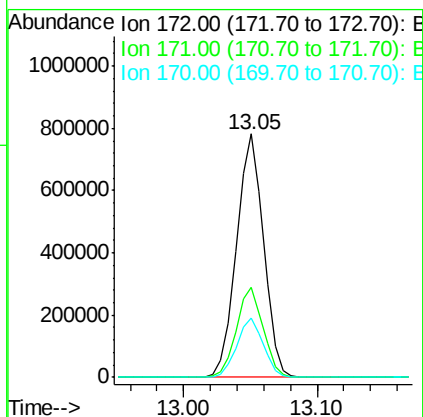
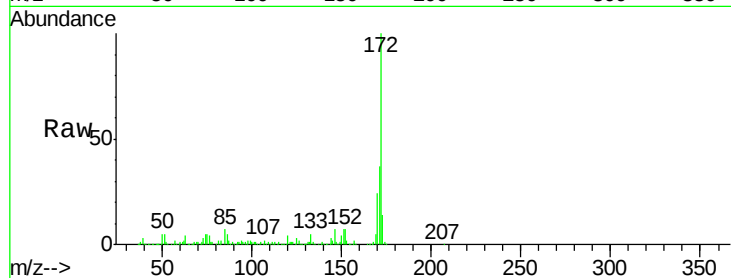




#44  
 2-Fluorobiphenyl  
 Concen: 101.06 ng  
 RT: 13.05 min Scan# 1764  
 Delta R.T. -0.02 min  
 Lab File: BG016997.D  
 Acq: 9 May 2015 19:48

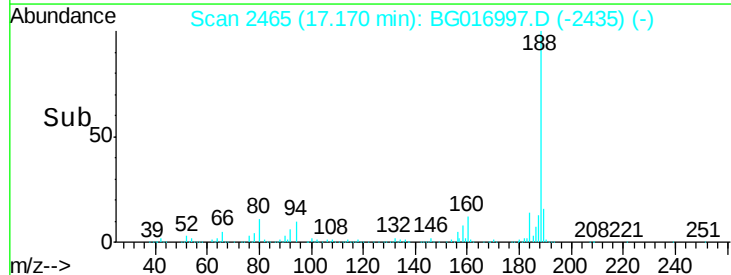
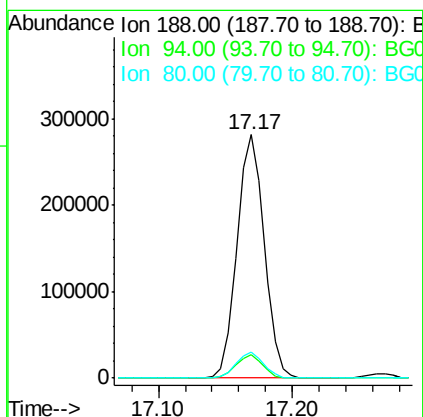
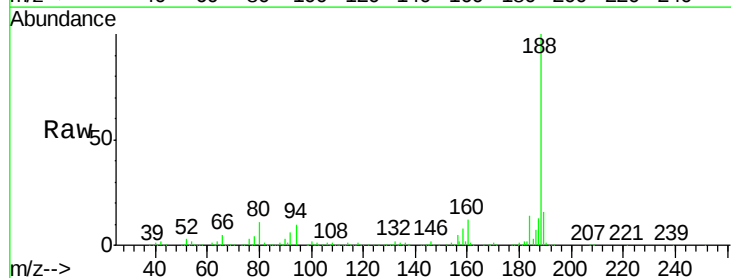
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-2

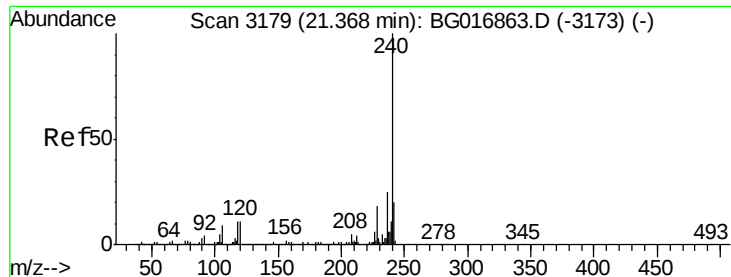
Tgt Ion:172 Resp: 1096415  
 Ion Ratio Lower Upper  
 172 100  
 171 37.2 29.0 43.4  
 170 24.3 19.0 28.4



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.17 min Scan# 2465  
 Delta R.T. -0.02 min  
 Lab File: BG016997.D  
 Acq: 9 May 2015 19:48

Tgt Ion:188 Resp: 397015  
 Ion Ratio Lower Upper  
 188 100  
 94 9.9 8.2 12.4  
 80 10.8 8.8 13.2





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.35 min Scan# 3176

Delta R.T. -0.02 min

Lab File: BG016997.D

Acq: 9 May 2015 19:48

Instrument :

BNA\_G

ClientSampleId :

SB-2

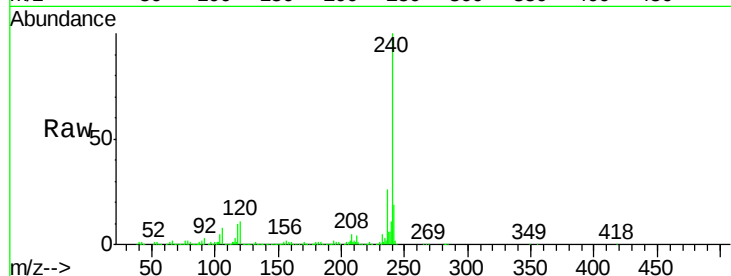
Tgt Ion:240 Resp: 388931

Ion Ratio Lower Upper

240 100

120 11.2 9.1 13.7

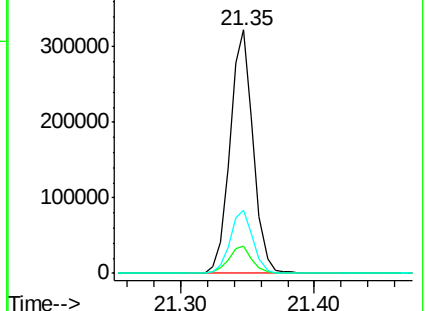
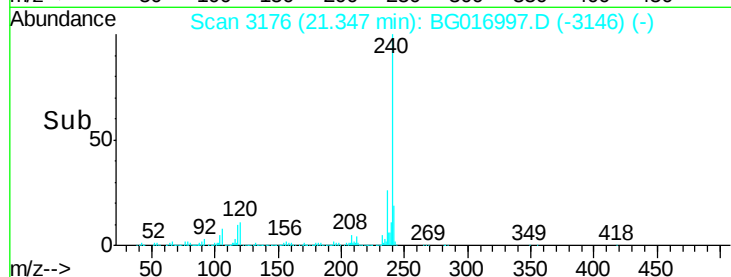
236 25.9 20.2 30.4



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: 118.27 ng

RT: 19.80 min Scan# 2912

Delta R.T. -0.02 min

Lab File: BG016997.D

Acq: 9 May 2015 19:48

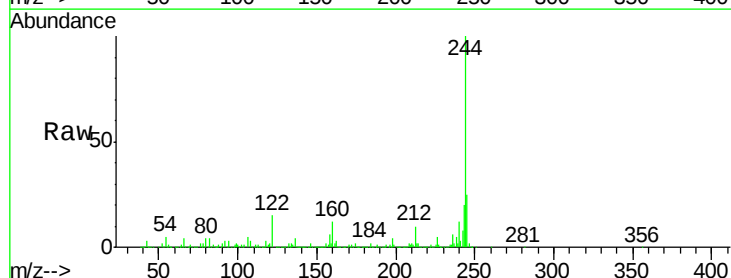
Tgt Ion:244 Resp: 1962150

Ion Ratio Lower Upper

244 100

212 10.0 7.0 10.6

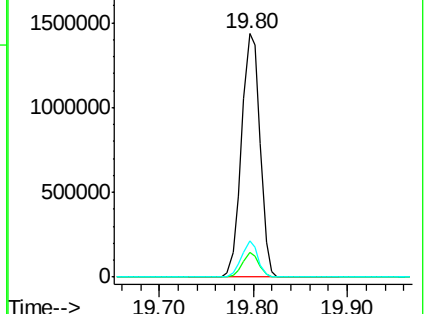
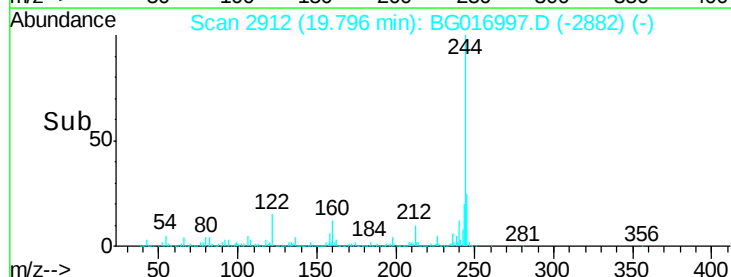
122 15.1 10.4 15.6

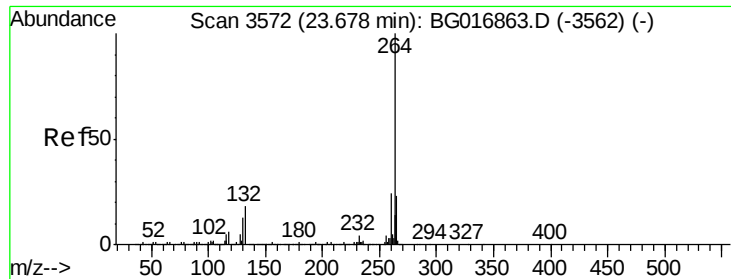


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 23.64 min Scan# 3566  
Delta R.T. -0.04 min  
Lab File: BG016997.D  
Acq: 9 May 2015 19:48

Instrument :  
BNA\_G  
ClientSampleId :  
SB-2

Tgt Ion:264 Resp: 374872  
Ion Ratio Lower Upper  
264 100  
260 22.2 19.5 29.3  
265 23.0 18.5 27.7

