

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050915\  
 Data File : BG017005.D  
 Acq On : 10 May 2015 00:25  
 Operator : TP/IZ  
 Sample : G2104-03  
 Misc :  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-105

Quant Time: May 11 05:35:57 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  | 72464    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.58 | 136  | 330726   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.43 | 164  | 235610   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.17 | 188  | 565206   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.35 | 240  | 569921   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 23.64 | 264  | 555768   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.37  | 112  | 191079   | 45.91  | ng    | -0.01    |
| 7) Phenol-d6                | 6.96  | 99   | 197513   | 33.22  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.95  | 82   | 400087   | 59.10  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 15.91 | 330  | 271583   | 114.82 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.05 | 172  | 857197   | 54.90  | ng    | -0.02    |
| 78) Terphenyl-d14           | 19.80 | 244  | 1475018  | 60.67  | ng    | -0.02    |

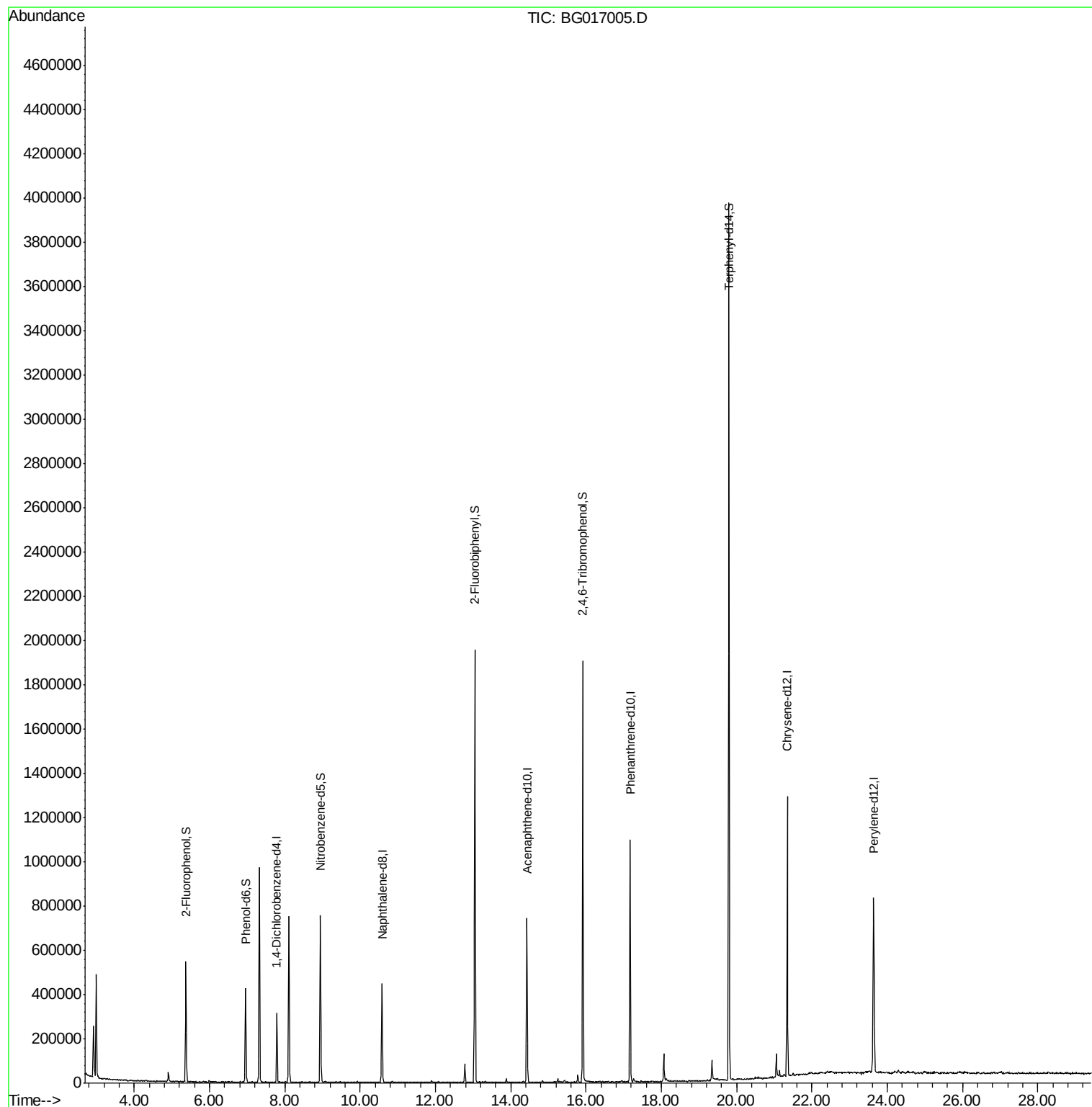
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

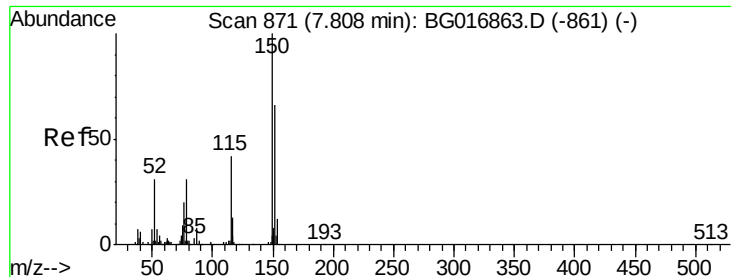
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG017005.D

Acq: 10 May 2015 00:25

Instrument :

BNA\_G

ClientSampleId :

MW-105

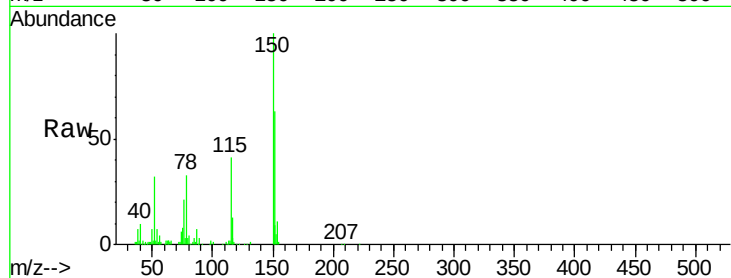
Tgt Ion:152 Resp: 72464

Ion Ratio Lower Upper

152 100

150 157.6 121.0 181.4

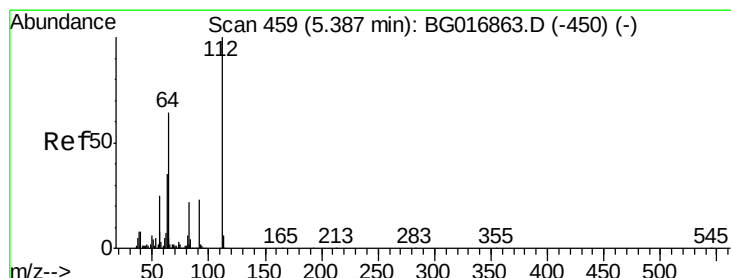
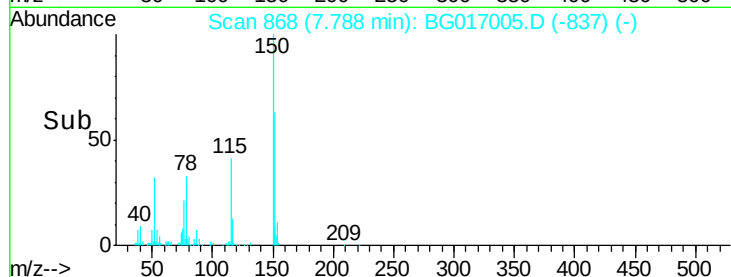
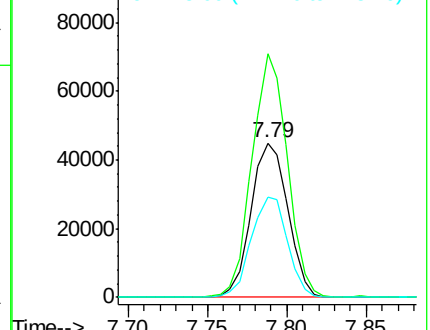
115 65.2 50.5 75.7



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: 45.91 ng

RT: 5.37 min Scan# 457

Delta R.T. -0.01 min

Lab File: BG017005.D

Acq: 10 May 2015 00:25

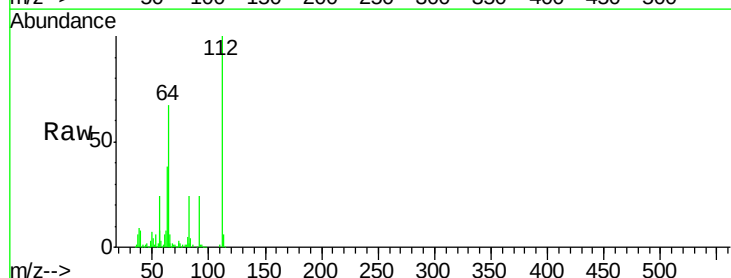
Tgt Ion:112 Resp: 191079

Ion Ratio Lower Upper

112 100

64 66.8 51.4 77.2

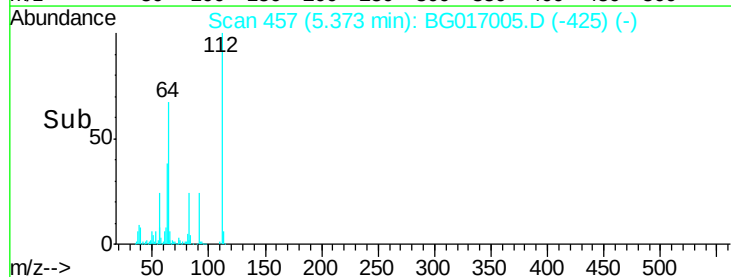
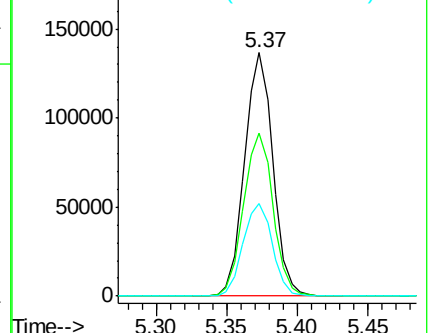
63 38.1 28.1 42.1

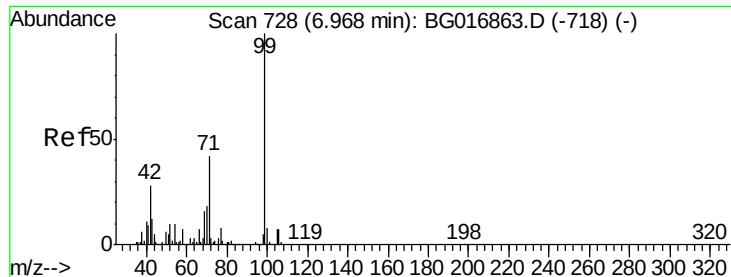


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 33.22 ng

RT: 6.96 min Scan# 727

Delta R.T. -0.01 min

Lab File: BG017005.D

Acq: 10 May 2015 00:25

Instrument :

BNA\_G

ClientSampleId :

MW-105

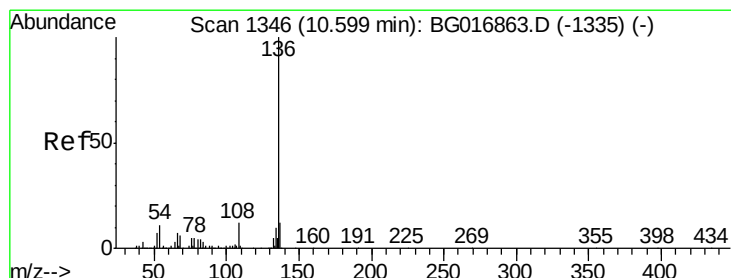
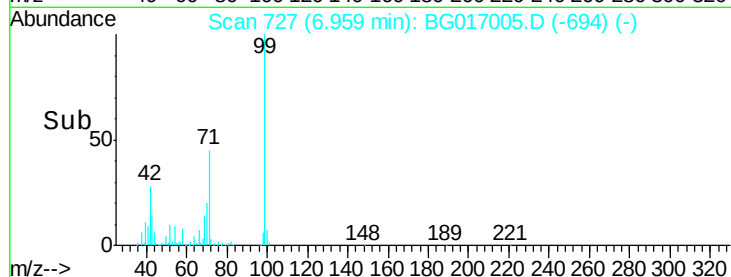
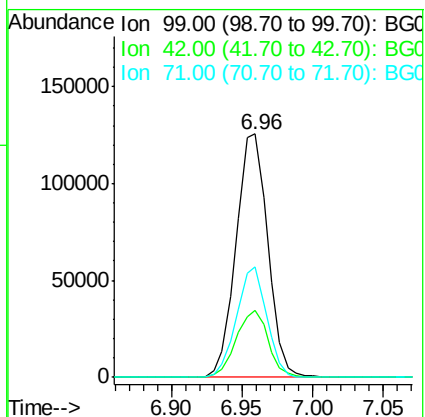
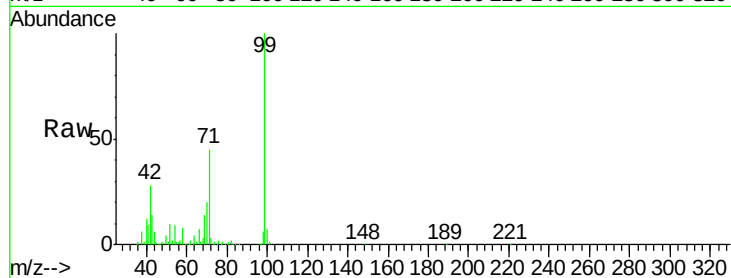
Tgt Ion: 99 Resp: 197513

Ion Ratio Lower Upper

99 100

42 27.6 22.1 33.1

71 45.3 33.4 50.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.58 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BG017005.D

Acq: 10 May 2015 00:25

Tgt Ion: 136 Resp: 330726

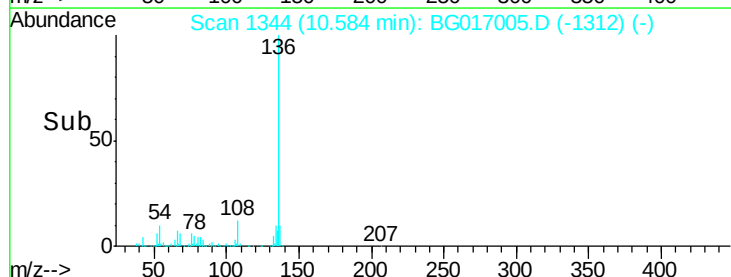
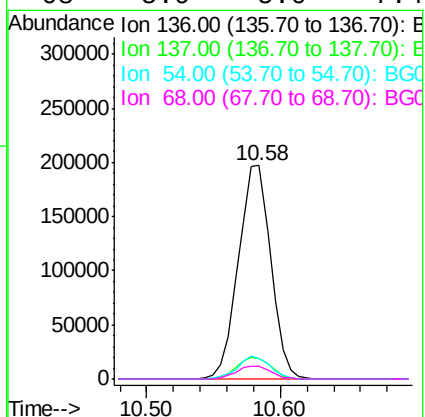
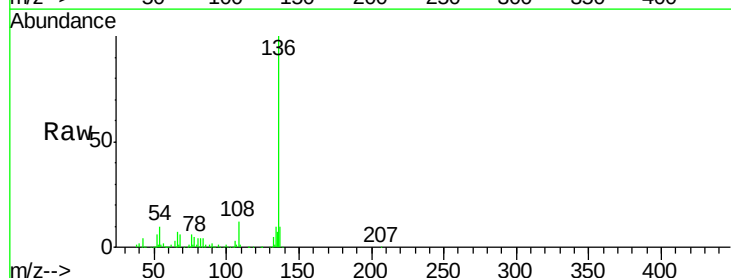
Ion Ratio Lower Upper

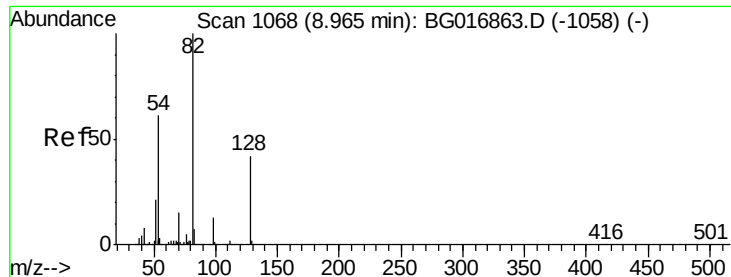
136 100

137 9.5 9.8 14.8#

54 9.8 8.7 13.1

68 5.9 5.0 7.4

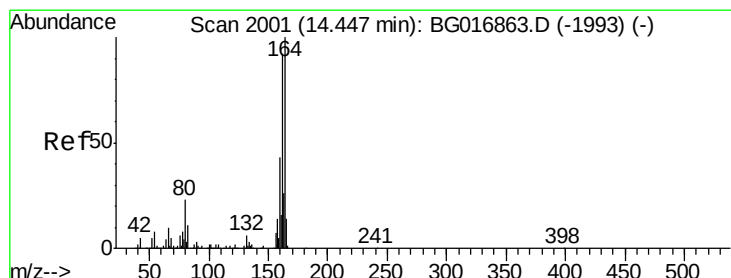
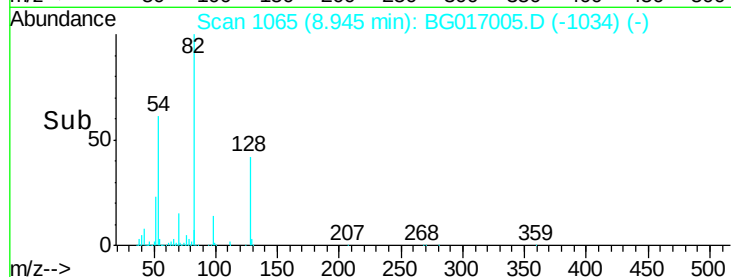
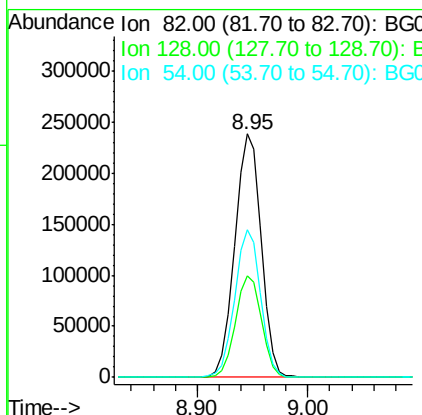
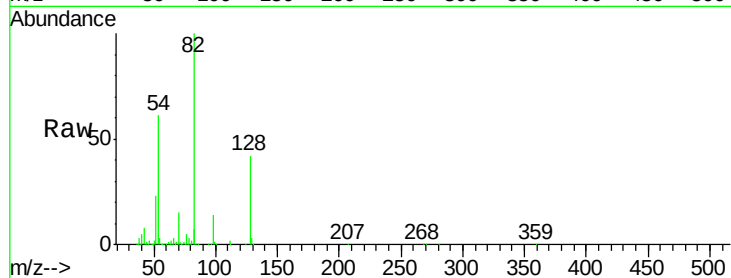




#23  
 Nitrobenzene-d5  
 Concen: 59.10 ng  
 RT: 8.95 min Scan# 1065  
 Delta R.T. -0.02 min  
 Lab File: BG017005.D  
 Acq: 10 May 2015 00:25

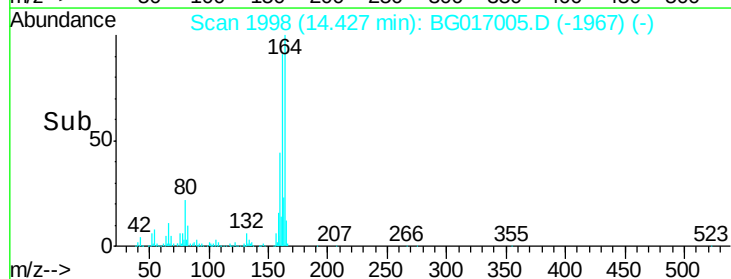
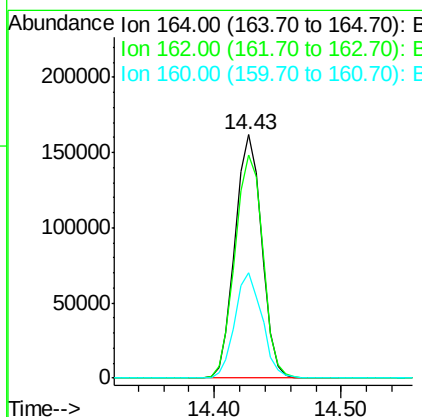
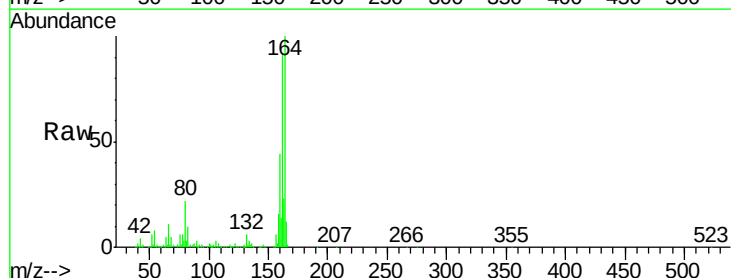
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-105

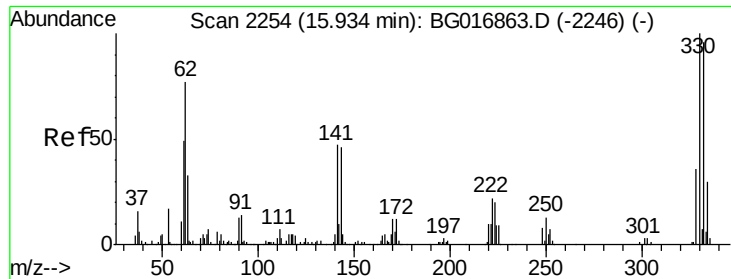
Tgt Ion: 82 Resp: 400087  
 Ion Ratio Lower Upper  
 82 100  
 128 41.6 33.2 49.8  
 54 60.7 48.6 72.8



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.43 min Scan# 1998  
 Delta R.T. -0.02 min  
 Lab File: BG017005.D  
 Acq: 10 May 2015 00:25

Tgt Ion: 164 Resp: 235610  
 Ion Ratio Lower Upper  
 164 100  
 162 91.5 74.0 111.0  
 160 43.5 34.7 52.1





#41

2,4,6-Tribromophenol

Concen: 114.82 ng

RT: 15.91 min Scan# 2251

Delta R.T. -0.02 min

Lab File: BG017005.D

Acq: 10 May 2015 00:25

Instrument :

BNA\_G

ClientSampleId :

MW-105

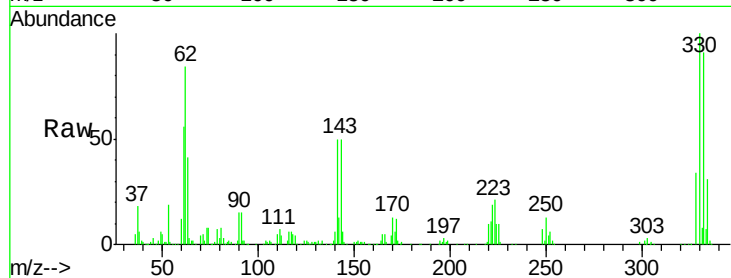
Tgt Ion:330 Resp: 271583

Ion Ratio Lower Upper

330 100

332 94.8 0.0 0.0#

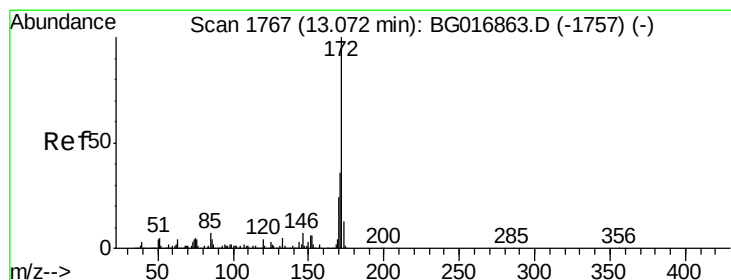
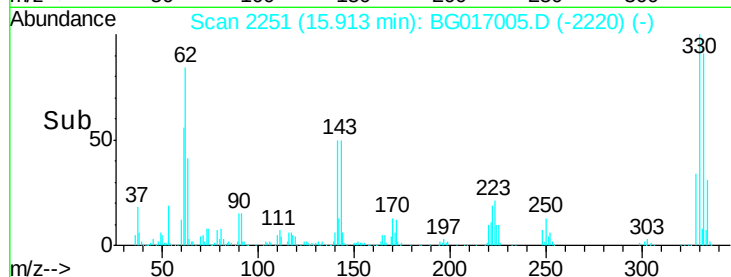
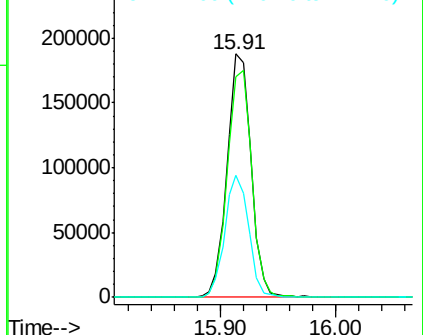
141 49.8 0.0 0.0#



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: 54.90 ng

RT: 13.05 min Scan# 1764

Delta R.T. -0.02 min

Lab File: BG017005.D

Acq: 10 May 2015 00:25

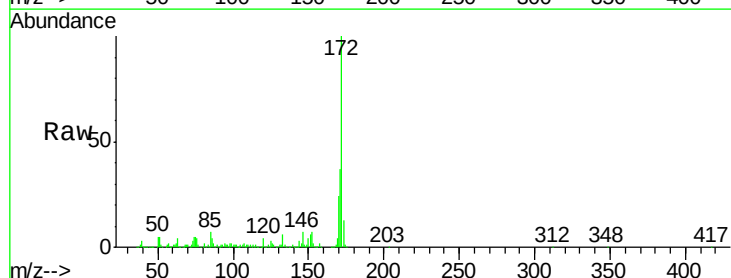
Tgt Ion:172 Resp: 857197

Ion Ratio Lower Upper

172 100

171 37.1 29.0 43.4

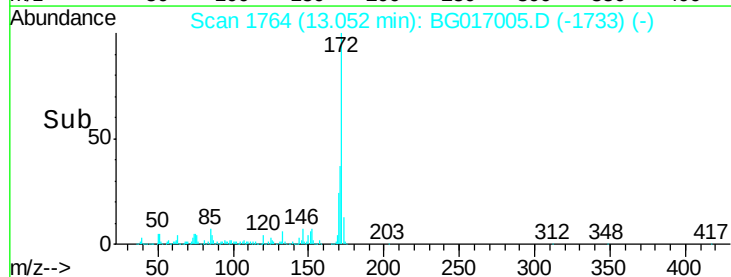
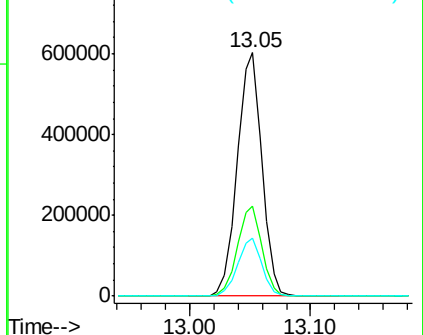
170 23.7 19.0 28.4

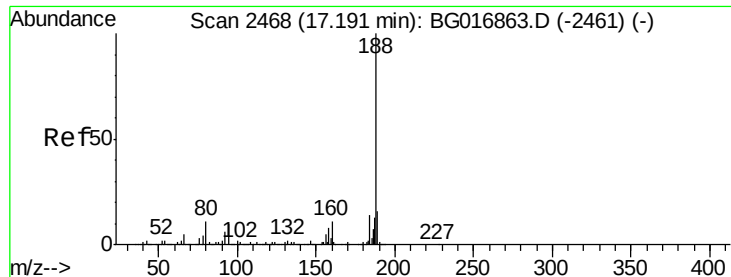


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.17 min Scan# 2465

Delta R.T. -0.02 min

Lab File: BG017005.D

Acq: 10 May 2015 00:25

Instrument :

BNA\_G

ClientSampleId :

MW-105

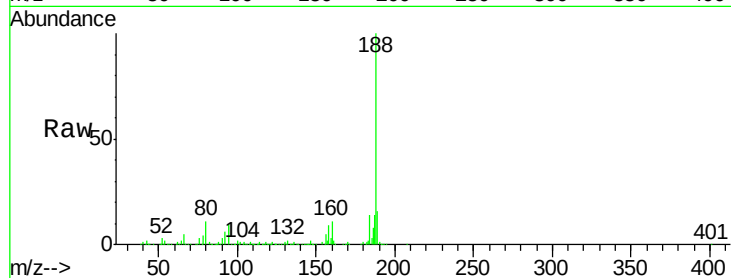
Tgt Ion:188 Resp: 565206

Ion Ratio Lower Upper

188 100

94 9.6 8.2 12.4

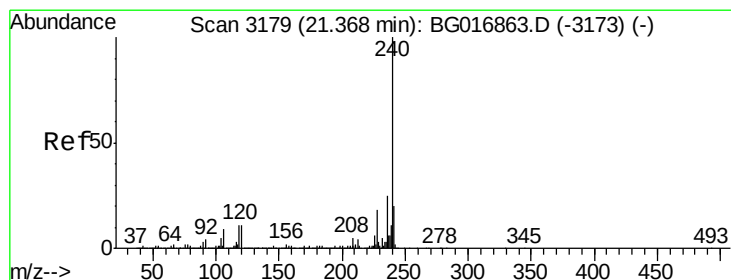
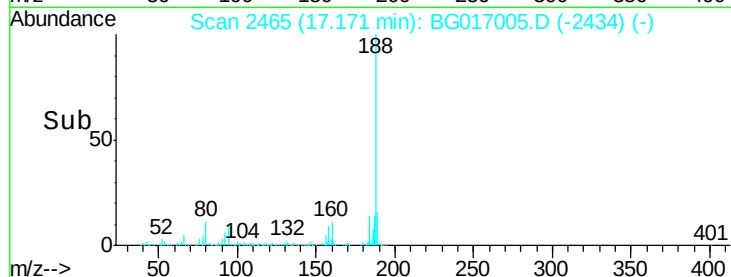
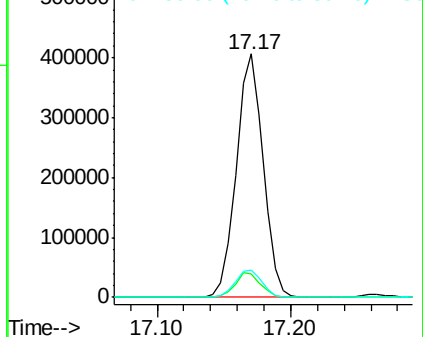
80 11.2 8.8 13.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): B

Ion 80.00 (79.70 to 80.70): B



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.35 min Scan# 3176

Delta R.T. -0.02 min

Lab File: BG017005.D

Acq: 10 May 2015 00:25

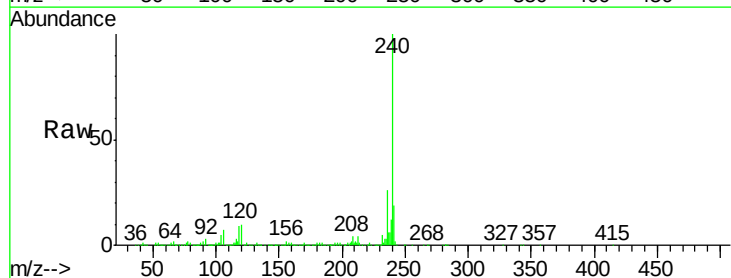
Tgt Ion:240 Resp: 569921

Ion Ratio Lower Upper

240 100

120 9.8 9.1 13.7

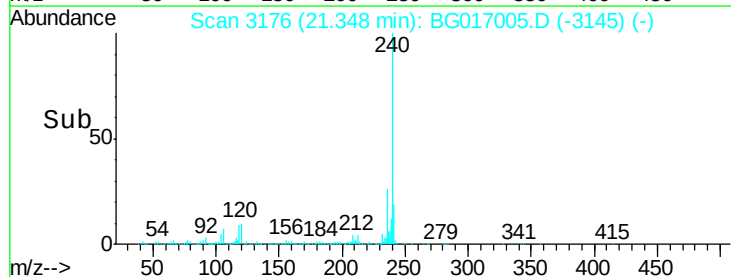
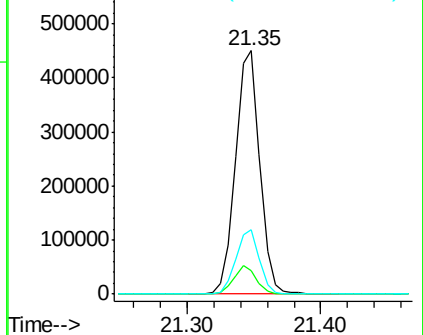
236 26.2 20.2 30.4

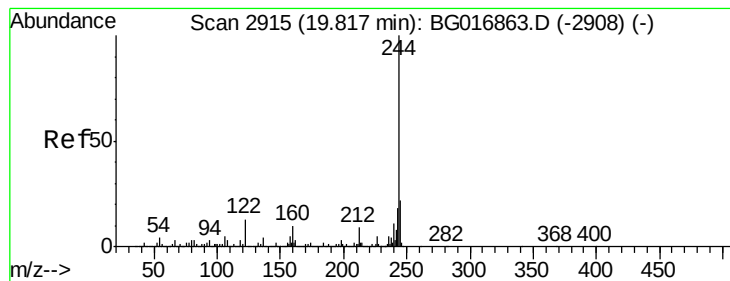


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 60.67 ng

RT: 19.80 min Scan# 2912

Delta R.T. -0.02 min

Lab File: BG017005.D

Acq: 10 May 2015 00:25

Instrument :

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ClientSampleId :

MW-105

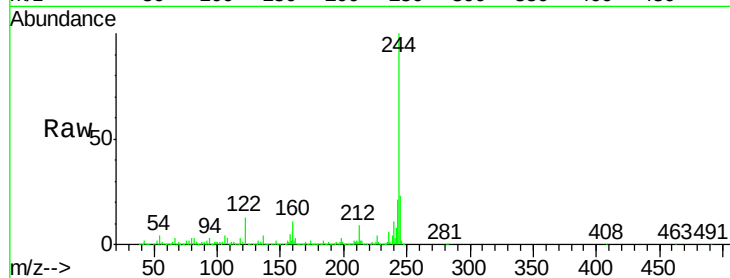
Tgt Ion:244 Resp: 1475018

Ion Ratio Lower Upper

244 100

212 9.4 7.0 10.6

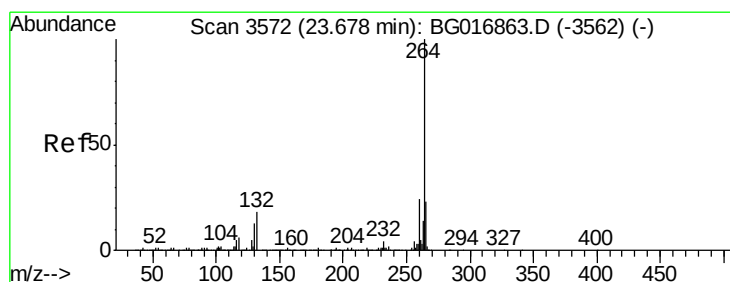
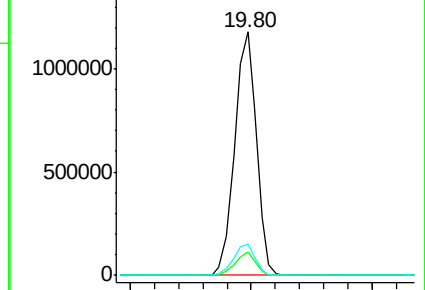
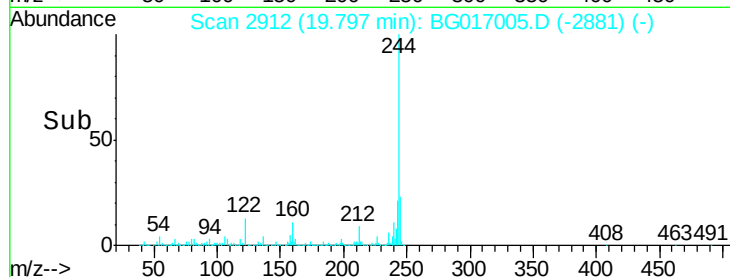
122 12.9 10.4 15.6



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: BG017005.D

Acq: 10 May 2015 00:25

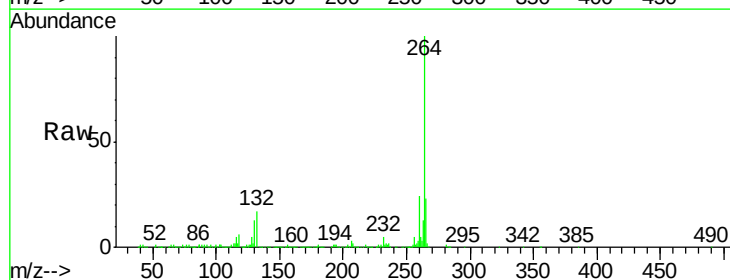
Tgt Ion:264 Resp: 555768

Ion Ratio Lower Upper

264 100

260 23.8 19.5 29.3

265 23.2 18.5 27.7



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

