

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG060415\  
 Data File : BG017441.D  
 Acq On : 4 Jun 2015 14:49  
 Operator : TP/IZ  
 Sample : PB83743BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB83743BL

Quant Time: Jun 05 03:56:13 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060315.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 05 03:51:43 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.62  | 152  | 16234    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.41 | 136  | 65046    | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.29 | 164  | 43417    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.04 | 188  | 112820   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.23 | 240  | 138495   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.47 | 264  | 137523   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.21  | 112  | 120593   | 130.87 | ng    | 0.00     |
| 7) Phenol-d6                | 6.83  | 99   | 153370   | 122.18 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.79  | 82   | 103360   | 79.32  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.79 | 330  | 74587    | 123.69 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.91 | 172  | 226039   | 78.53  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.68 | 244  | 520551   | 77.68  | ng    | 0.00     |

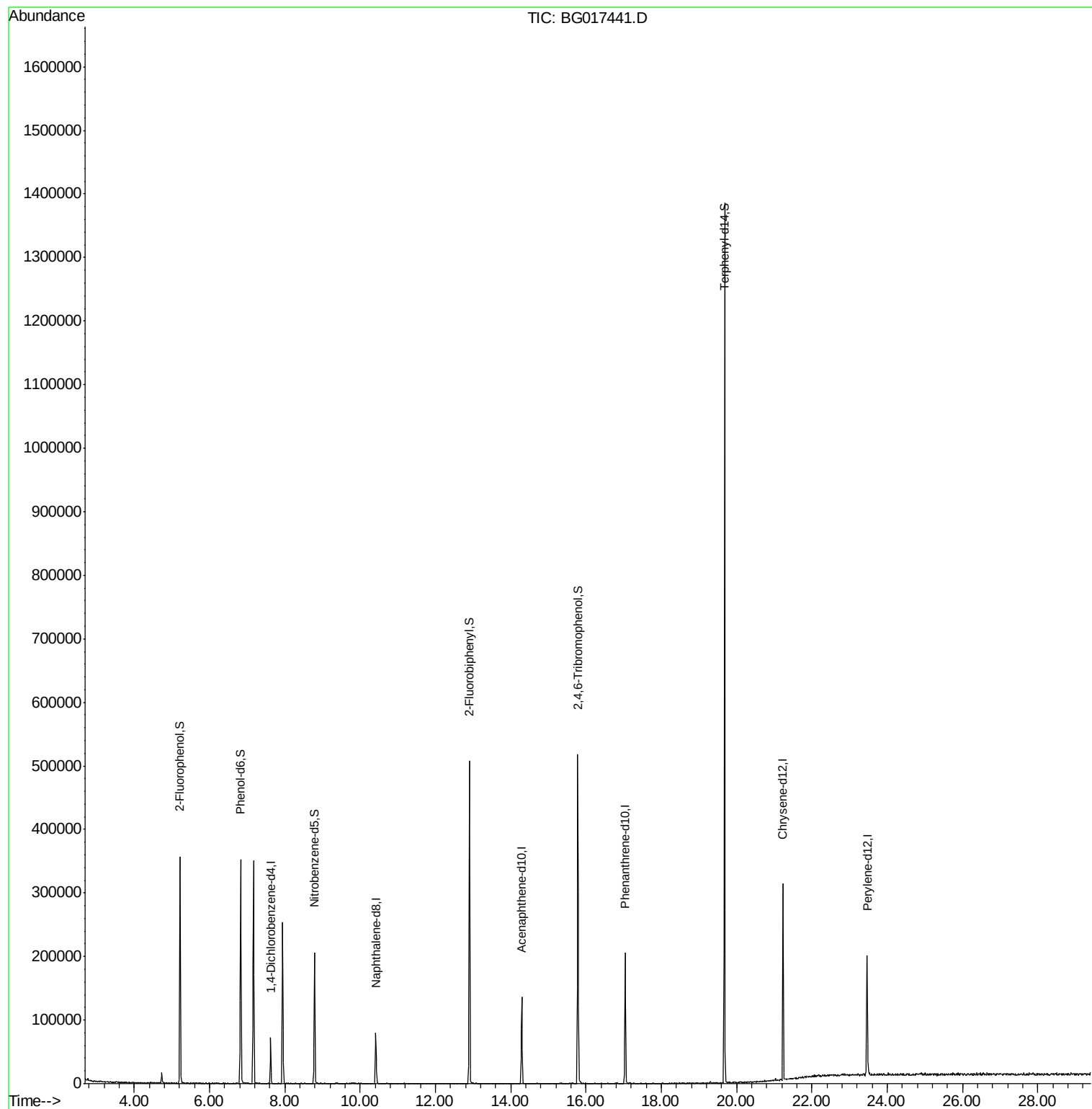
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

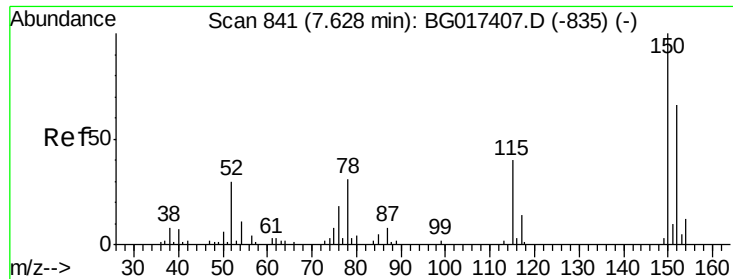
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
ClientSampleId :  
PB83743BL

Quant Time: Jun 05 03:56:13 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060315.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 05 03:51:43 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.62 min Scan# 840

Delta R.T. -0.00 min

Lab File: BG017441.D

Acq: 4 Jun 2015 14:49

Instrument :

BNA\_G

ClientSampleId :

PB83743BL

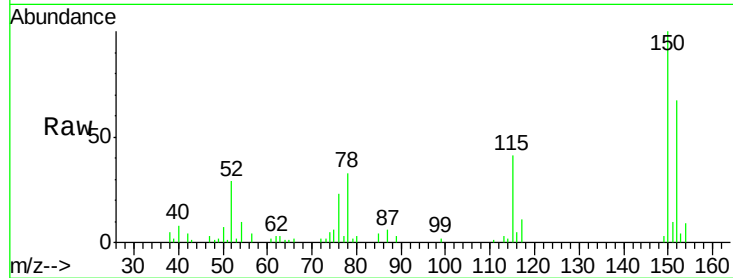
Tgt Ion:152 Resp: 16234

Ion Ratio Lower Upper

152 100

150 150.2 121.7 182.5

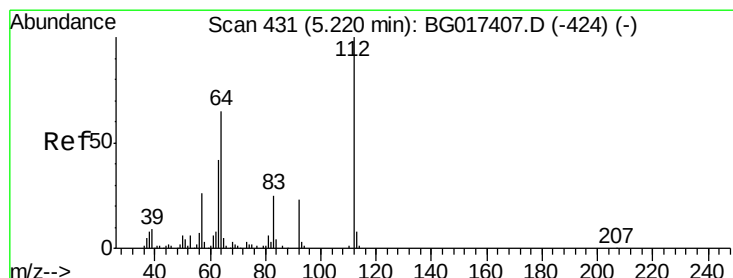
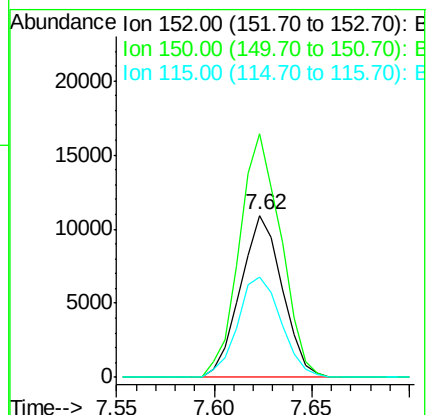
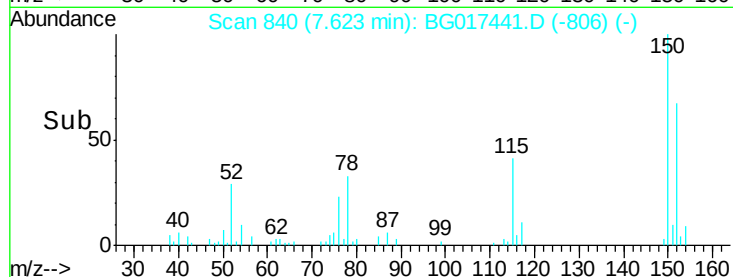
115 61.7 48.6 73.0



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: 130.87 ng

RT: 5.21 min Scan# 430

Delta R.T. 0.01 min

Lab File: BG017441.D

Acq: 4 Jun 2015 14:49

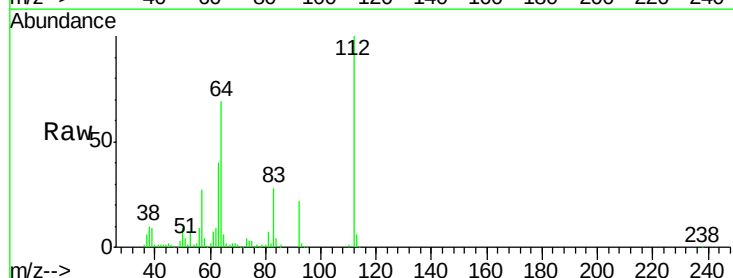
Tgt Ion:112 Resp: 120593

Ion Ratio Lower Upper

112 100

64 68.9 51.6 77.4

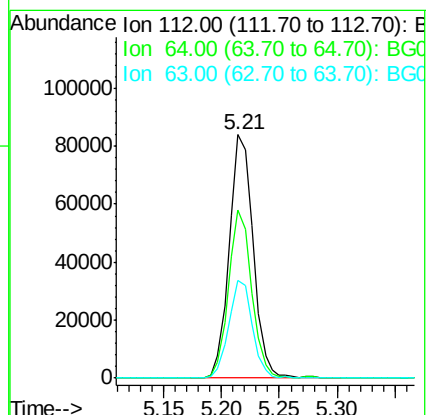
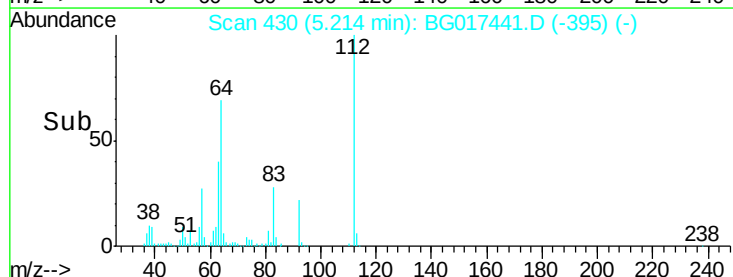
63 40.2 33.3 49.9

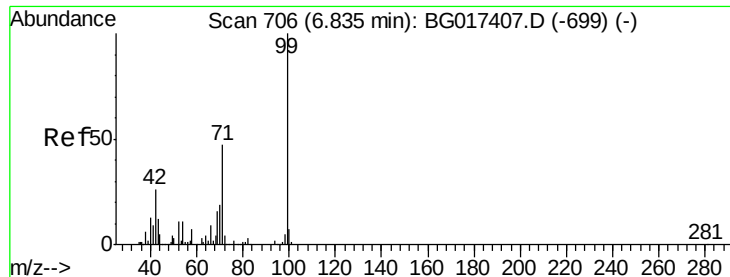


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 122.18 ng

RT: 6.83 min Scan# 705

Delta R.T. 0.01 min

Lab File: BG017441.D

Acq: 4 Jun 2015 14:49

Instrument :

BNA\_G

ClientSampleId :

PB83743BL

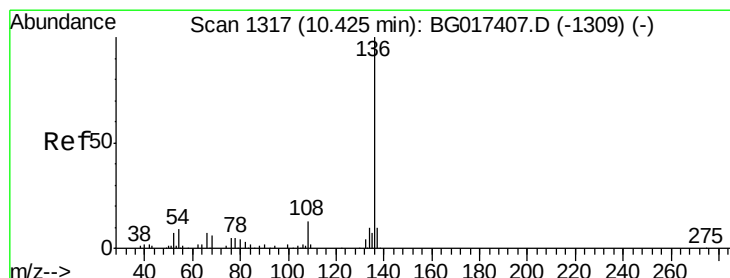
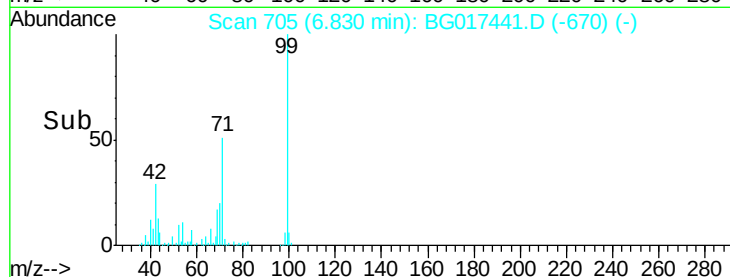
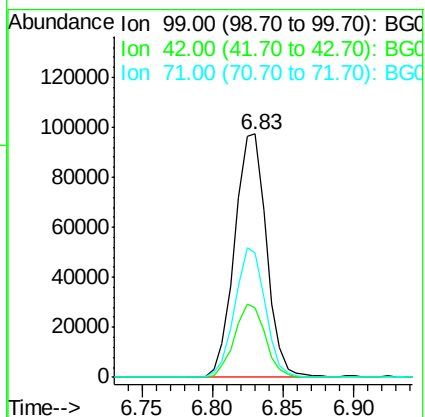
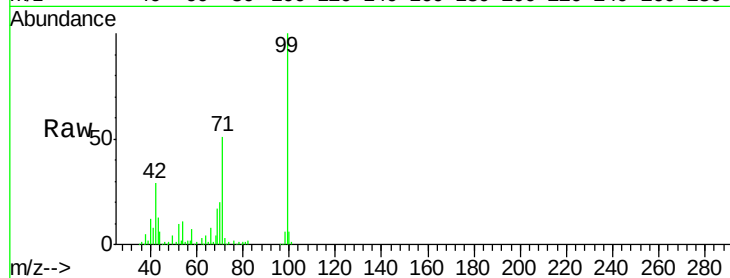
Tgt Ion: 99 Resp: 153370

Ion Ratio Lower Upper

99 100

42 28.6 21.0 31.6

71 51.3 37.2 55.8



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.41 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BG017441.D

Acq: 4 Jun 2015 14:49

Tgt Ion: 136 Resp: 65046

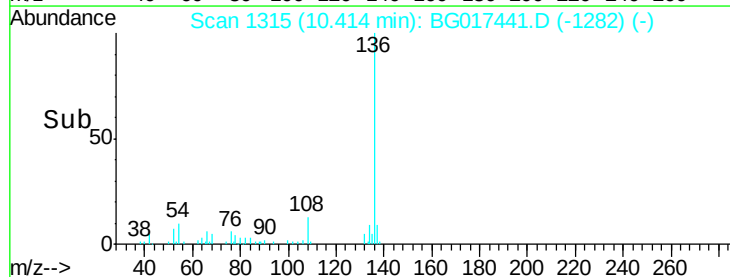
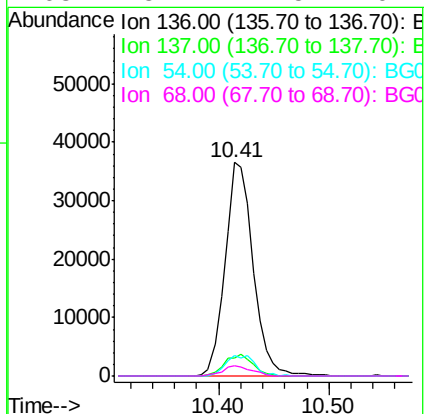
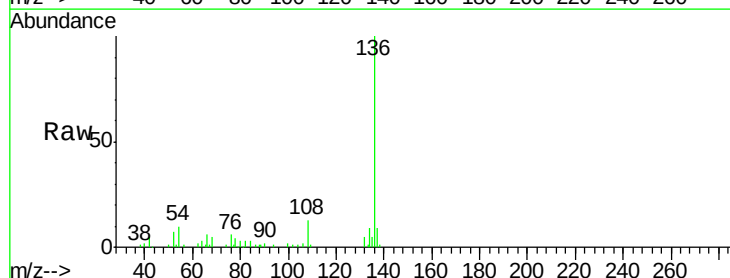
Ion Ratio Lower Upper

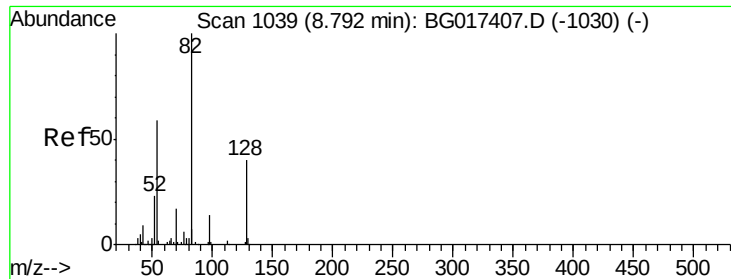
136 100

137 8.7 7.9 11.9

54 9.9 7.2 10.8

68 5.1 4.5 6.7

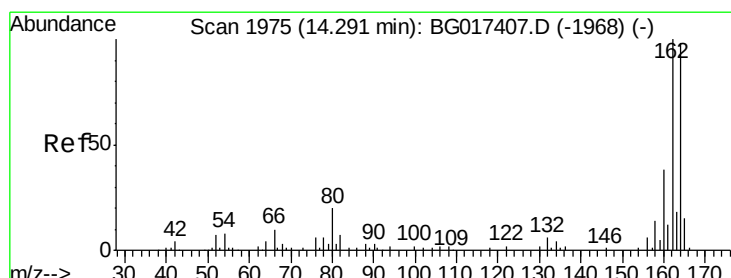
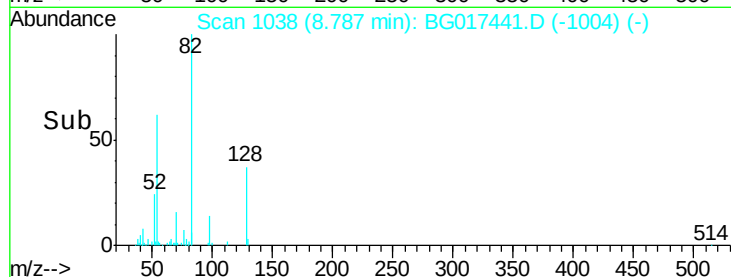
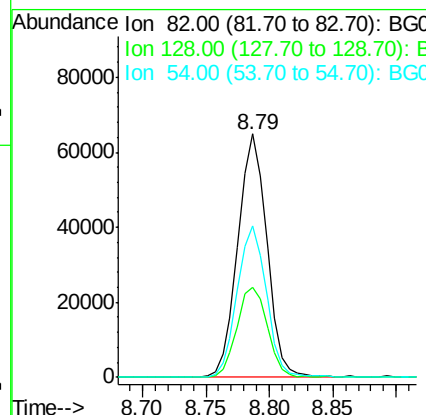
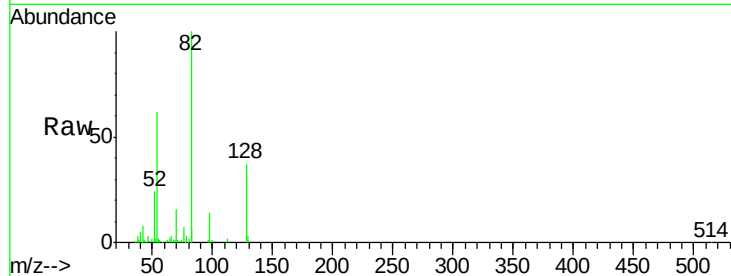




#23  
 Nitrobenzene-d5  
 Concen: 79.32 ng  
 RT: 8.79 min Scan# 1038  
 Delta R.T. -0.00 min  
 Lab File: BG017441.D  
 Acq: 4 Jun 2015 14:49

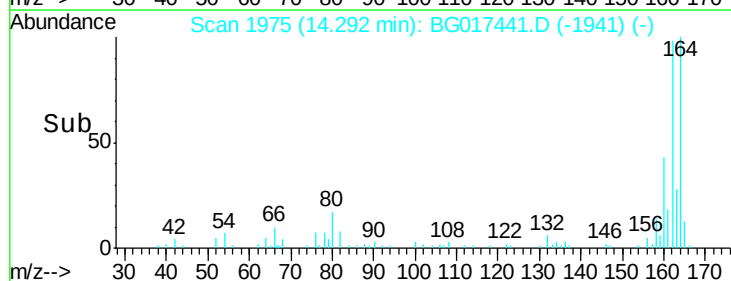
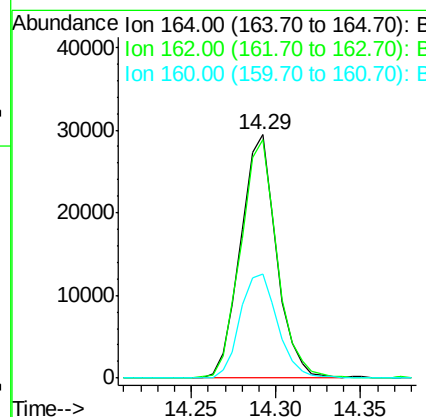
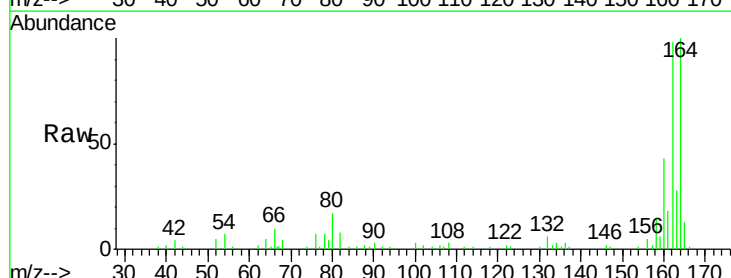
Instrument :  
 BNA\_G  
 ClientSampled :  
 PB83743BL

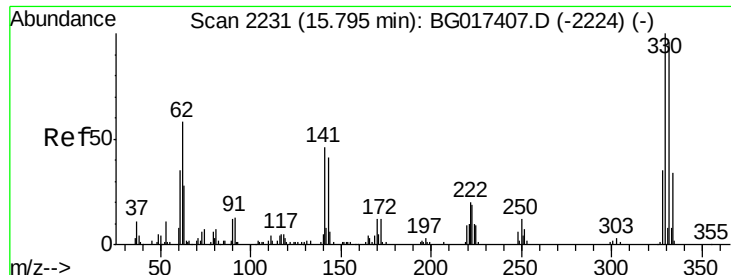
Tgt Ion: 82 Resp: 103360  
 Ion Ratio Lower Upper  
 82 100  
 128 37.1 32.2 48.4  
 54 62.5 47.4 71.2



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.29 min Scan# 1975  
 Delta R.T. -0.00 min  
 Lab File: BG017441.D  
 Acq: 4 Jun 2015 14:49

Tgt Ion: 164 Resp: 43417  
 Ion Ratio Lower Upper  
 164 100  
 162 97.7 81.8 122.6  
 160 42.8 31.0 46.4

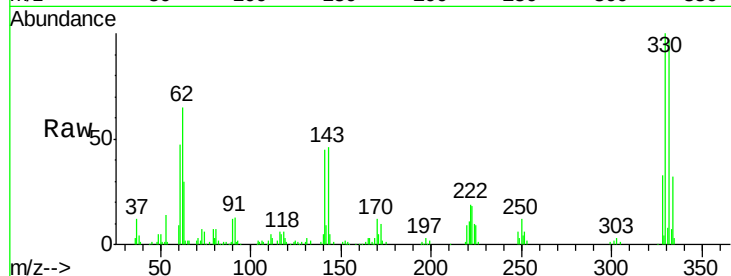




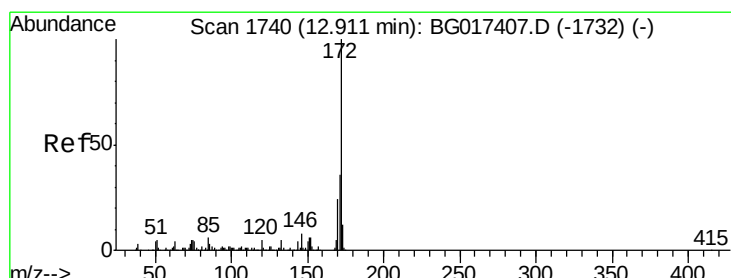
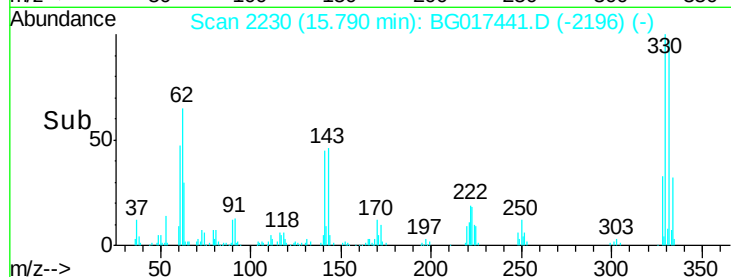
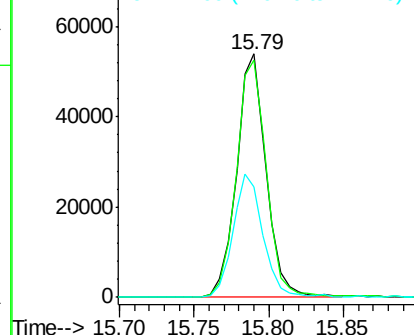
#41  
 2,4,6-Tribromophenol  
 Concen: 123.69 ng  
 RT: 15.79 min Scan# 2230  
 Delta R.T. -0.00 min  
 Lab File: BG017441.D  
 Acq: 4 Jun 2015 14:49

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB83743BL

Tgt Ion:330 Resp: 74587  
 Ion Ratio Lower Upper  
 330 100  
 332 99.3 75.9 113.9  
 141 51.0 40.2 60.4

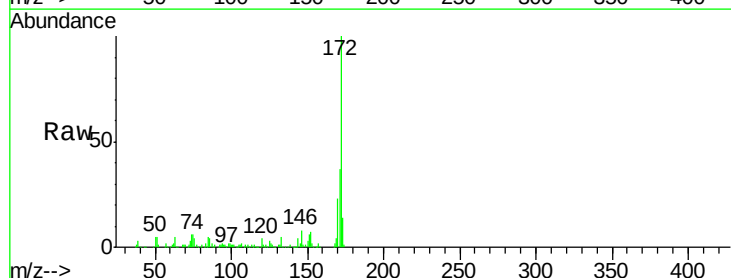


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

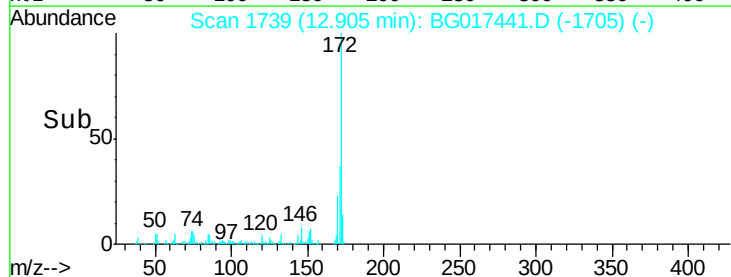
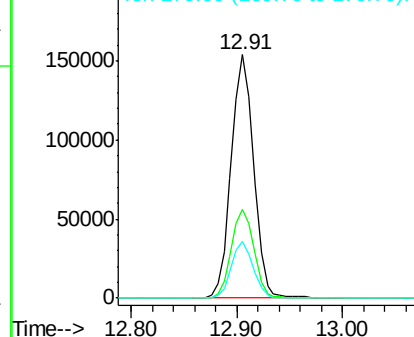


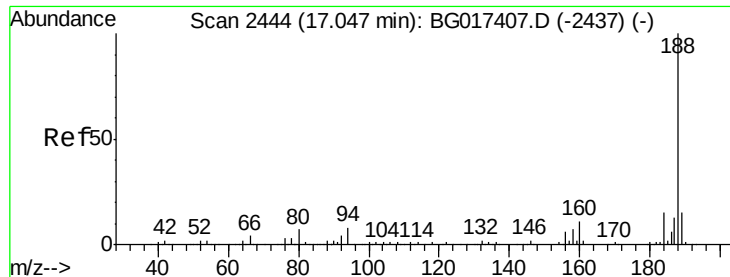
#44  
 2-Fluorobiphenyl  
 Concen: 78.53 ng  
 RT: 12.91 min Scan# 1739  
 Delta R.T. -0.00 min  
 Lab File: BG017441.D  
 Acq: 4 Jun 2015 14:49

Tgt Ion:172 Resp: 226039  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 29.0 43.6  
 170 23.5 18.9 28.3



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

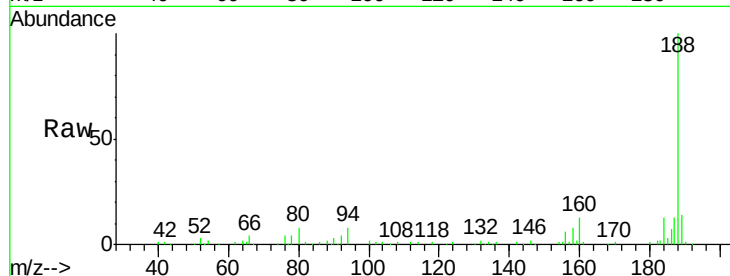




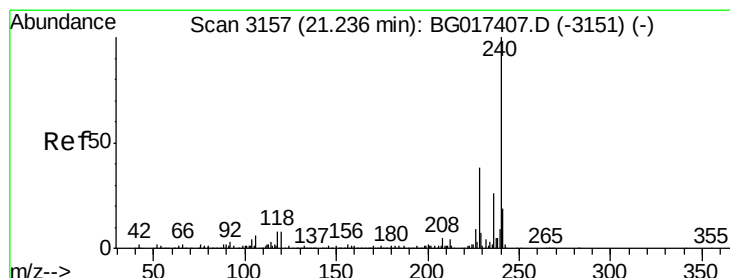
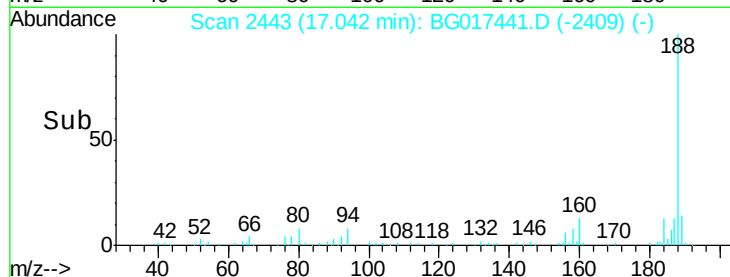
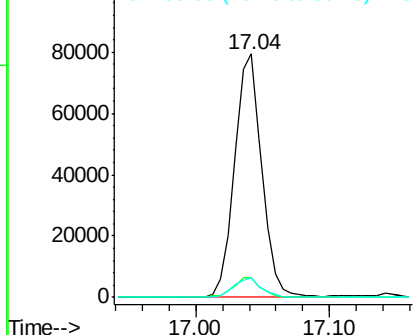
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.04 min Scan# 2443  
Delta R.T. -0.00 min  
Lab File: BG017441.D  
Acq: 4 Jun 2015 14:49

Instrument :  
BNA\_G  
ClientSampleId :  
PB83743BL

Tgt Ion:188 Resp: 112820  
Ion Ratio Lower Upper  
188 100  
94 8.0 6.3 9.5  
80 8.3 5.2 7.8#

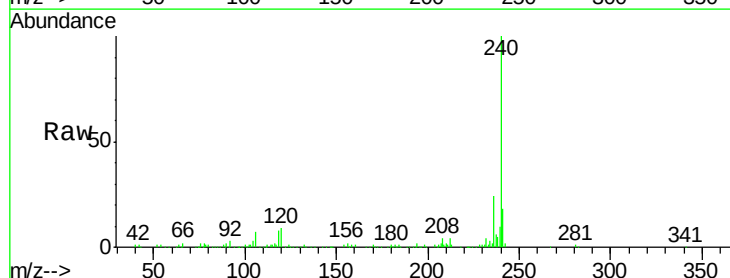


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

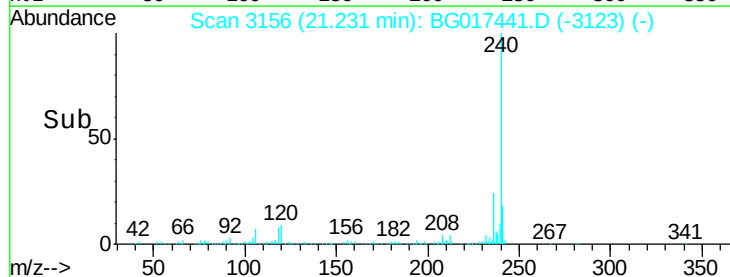
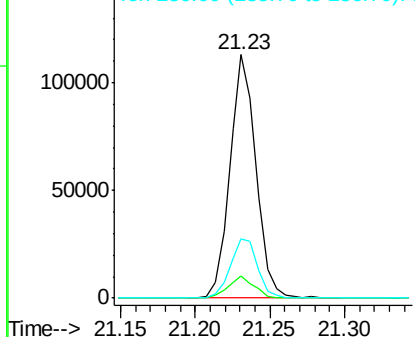


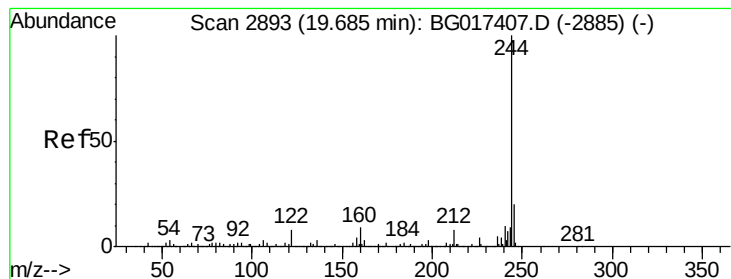
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.23 min Scan# 3156  
Delta R.T. -0.01 min  
Lab File: BG017441.D  
Acq: 4 Jun 2015 14:49

Tgt Ion:240 Resp: 138495  
Ion Ratio Lower Upper  
240 100  
120 8.9 6.5 9.7  
236 24.1 20.8 31.2



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: 77.68 ng

RT: 19.68 min Scan# 2892

Delta R.T. -0.00 min

Lab File: BG017441.D

Acq: 4 Jun 2015 14:49

Instrument :

BNA\_G

ClientSampleId :

PB83743BL

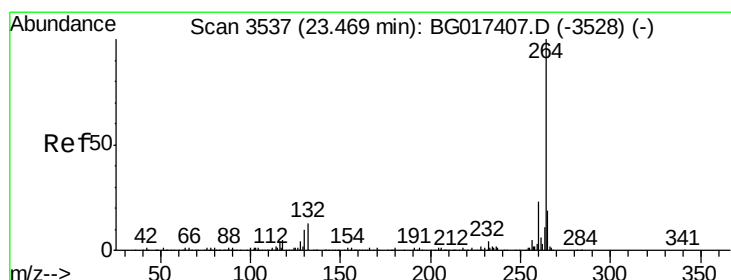
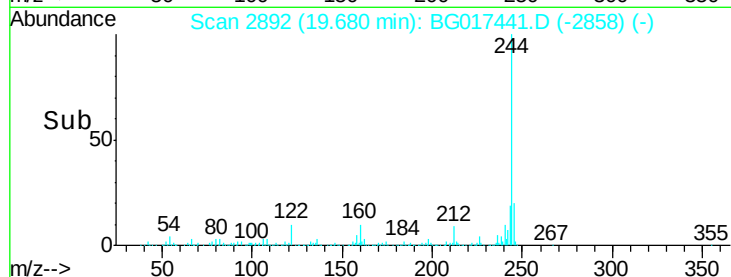
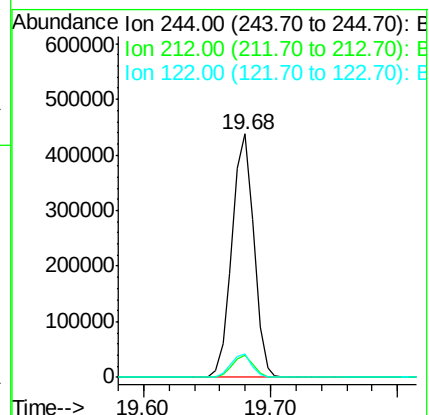
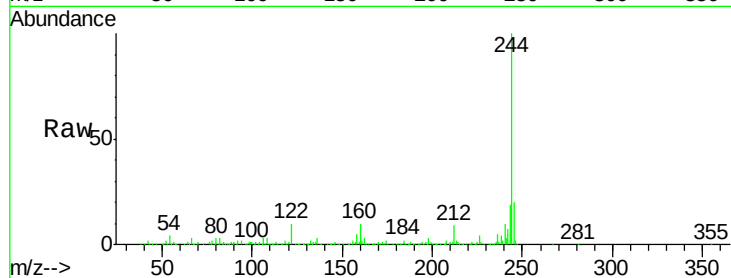
Tgt Ion:244 Resp: 520551

Ion Ratio Lower Upper

244 100

212 8.9 6.4 9.6

122 9.8 6.6 10.0



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.47 min Scan# 3537

Delta R.T. -0.00 min

Lab File: BG017441.D

Acq: 4 Jun 2015 14:49

Tgt Ion:264 Resp: 137523

Ion Ratio Lower Upper

264 100

260 24.3 18.2 27.4

265 18.9 15.8 23.6

