

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG071715\  
 Data File : BG017942.D  
 Acq On : 18 Jul 2015 1:02  
 Operator : TP/UM  
 Sample : G2966-06  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TE-RMW2-22D

Quant Time: Jul 18 02:34:22 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG071715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jul 18 01:50:30 2015  
 Response via : Initial Calibration

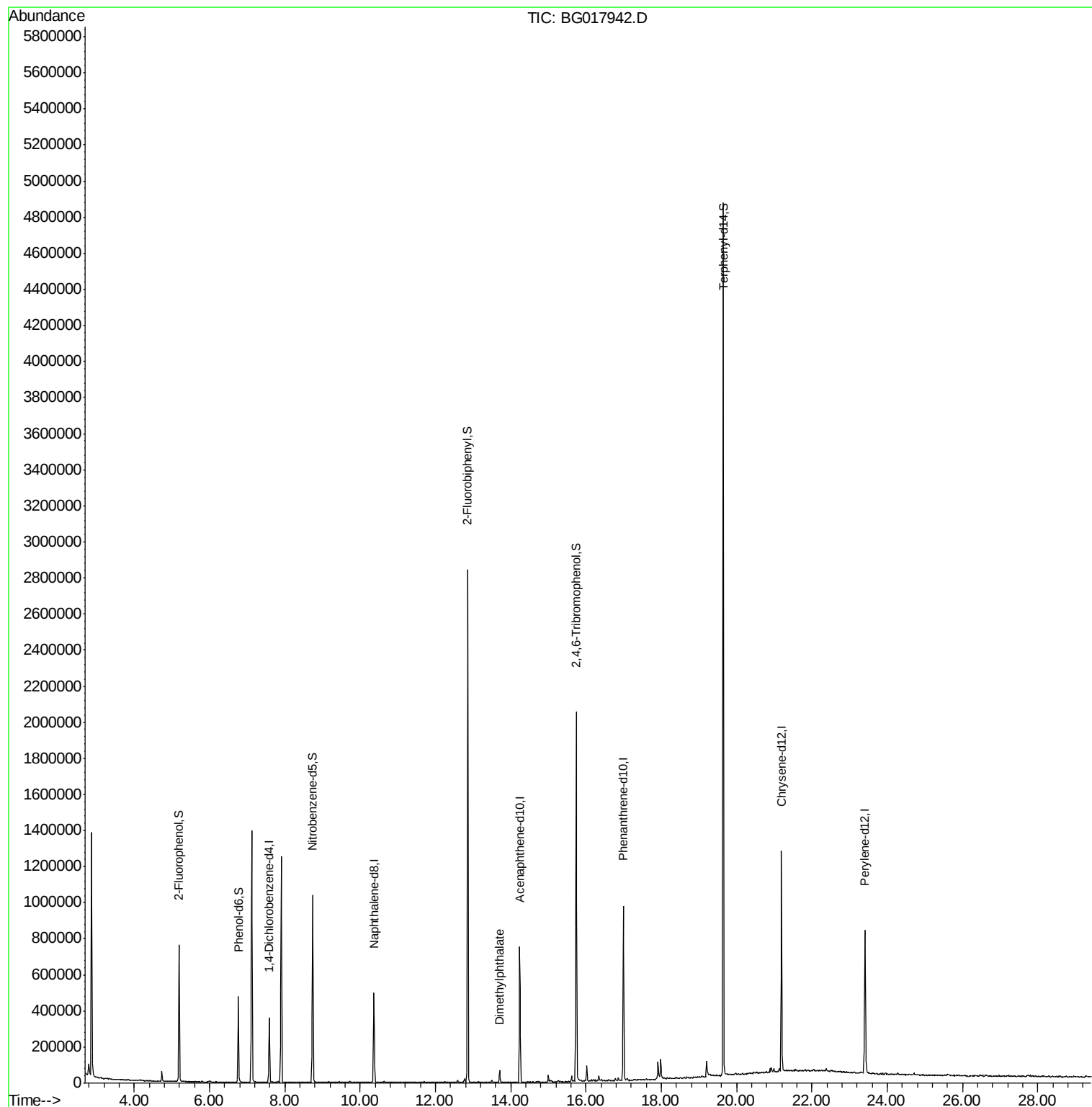
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.59  | 152  | 98875    | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.36 | 136  | 432717   | 20.00     | ng    | 0.00     |
| 38) Acenaphthene-d10           | 14.24 | 164  | 256502   | 20.00     | ng    | 0.00     |
| 63) Phenanthrene-d10           | 16.99 | 188  | 532516   | 20.00     | ng    | 0.00     |
| 75) Chrysene-d12               | 21.20 | 240  | 537973   | 20.00     | ng    | 0.00     |
| 86) Perylene-d12               | 23.41 | 264  | 521510   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.19  | 112  | 331477   | 58.48     | ng    | 0.00     |
| 7) Phenol-d6                   | 6.77  | 99   | 277450   | 37.36     | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 8.74  | 82   | 581549   | 87.05     | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 15.74 | 330  | 345287   | 132.87    | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 12.86 | 172  | 1358581  | 91.79     | ng    | 0.00     |
| 78) Terphenyl-d14              | 19.64 | 244  | 1862291  | 87.20     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 49) Dimethylphthalate          | 13.70 | 163  | 44588    | 2.50      | ng    | 99       |
| 64) 4,6-Dinitro-2-methylphenol | 15.44 | 198  | 59       | Below Cal | #     | 1        |
| 69) Pentachlorophenol          | 16.61 | 266  | 953      | Below Cal | #     | 37       |

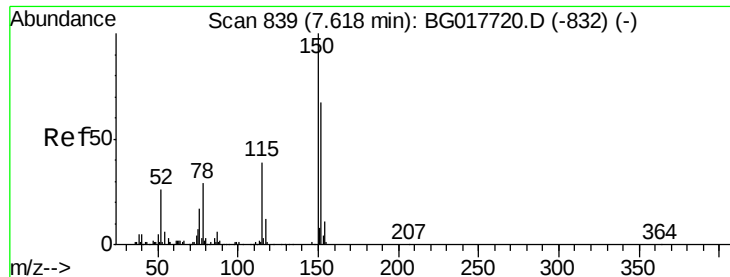
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 23 Sample Multiplier: 1

Instrument :  
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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG071715.M  
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QLast Update : Sat Jul 18 01:50:30 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.59 min Scan# 834

Delta R.T. -0.00 min

Lab File: BG017942.D

Acq: 18 Jul 2015 1:02

Instrument :

BNA\_G

ClientSampleId :

TE-RMW2-22D

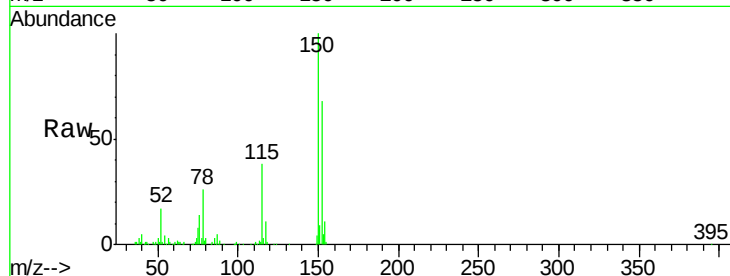
Tgt Ion:152 Resp: 98875

Ion Ratio Lower Upper

152 100

150 146.4 119.1 178.7

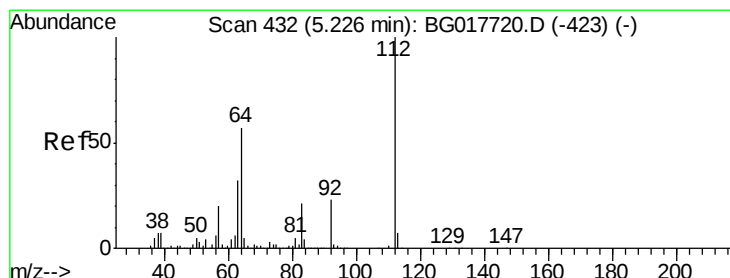
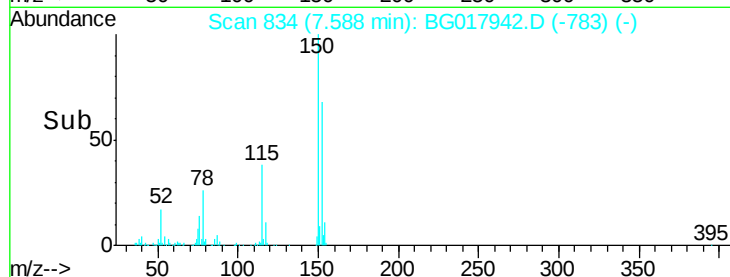
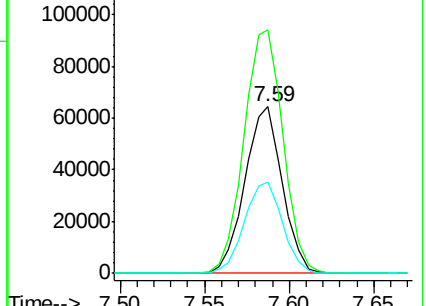
115 55.2 47.0 70.4



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



#5

2-Fluorophenol

Concen: 58.48 ng

RT: 5.19 min Scan# 426

Delta R.T. 0.00 min

Lab File: BG017942.D

Acq: 18 Jul 2015 1:02

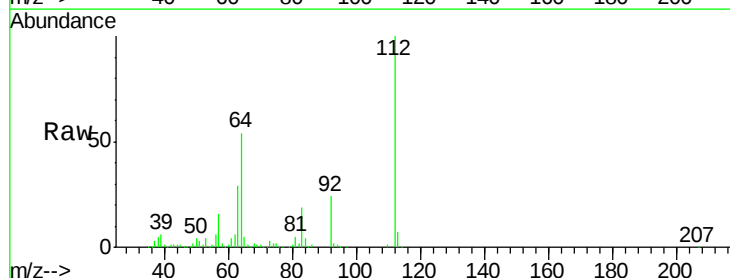
Tgt Ion:112 Resp: 331477

Ion Ratio Lower Upper

112 100

64 53.9 45.4 68.0

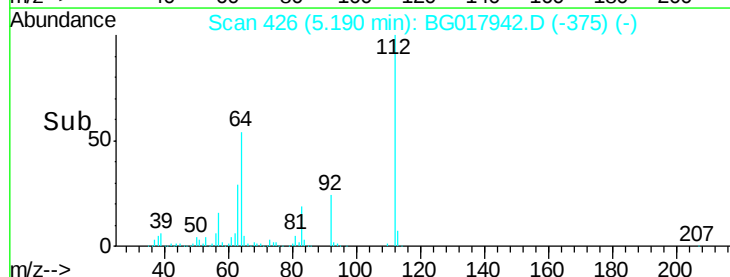
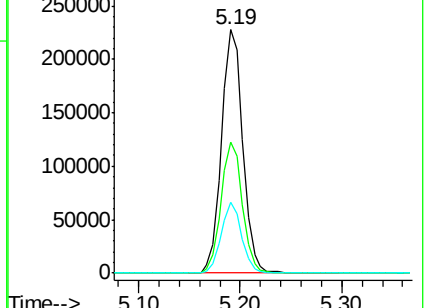
63 29.0 25.3 37.9

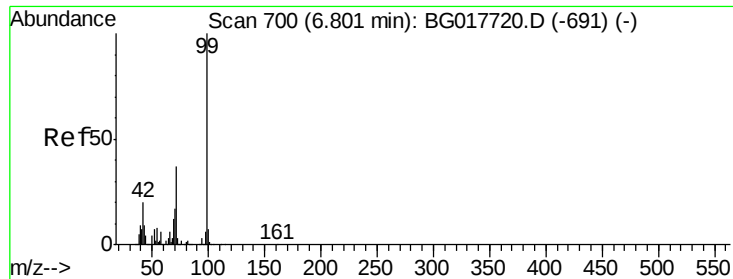


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 37.36 ng

RT: 6.77 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG017942.D

Acq: 18 Jul 2015 1:02

Instrument :

BNA\_G

ClientSampleId :

TE-RMW2-22D

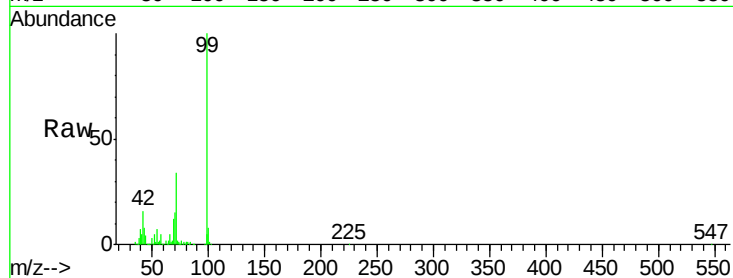
Tgt Ion: 99 Resp: 277450

Ion Ratio Lower Upper

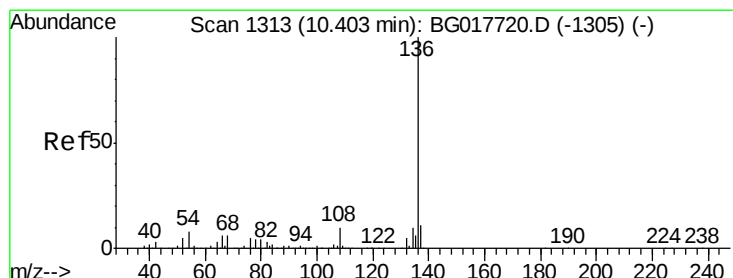
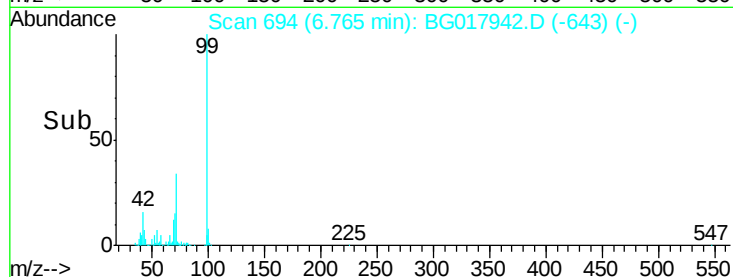
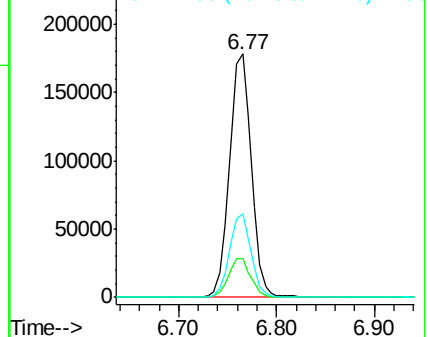
99 100

42 16.0 16.2 24.4#

71 34.2 29.5 44.3



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.36 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BG017942.D

Acq: 18 Jul 2015 1:02

Tgt Ion: 136 Resp: 432717

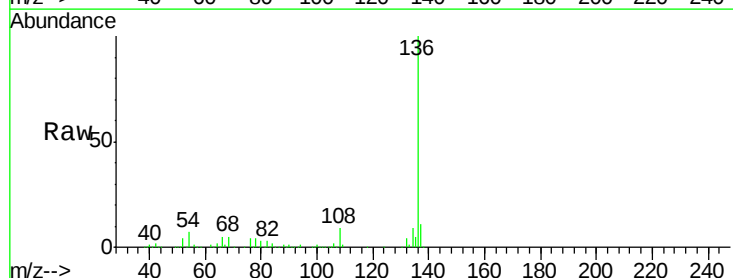
Ion Ratio Lower Upper

136 100

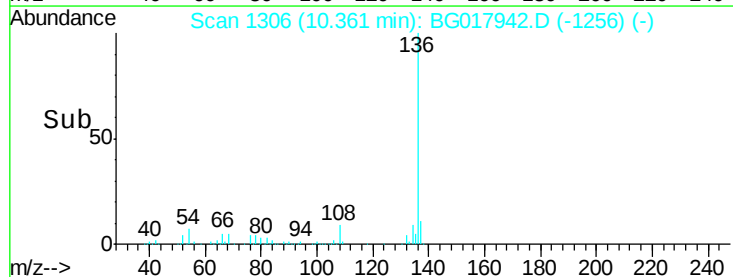
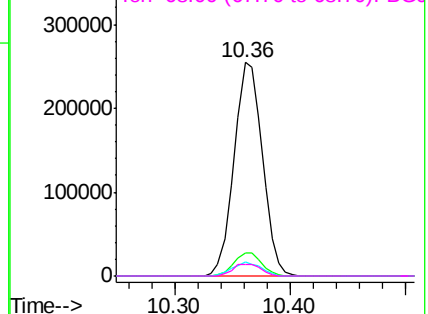
137 10.9 8.8 13.2

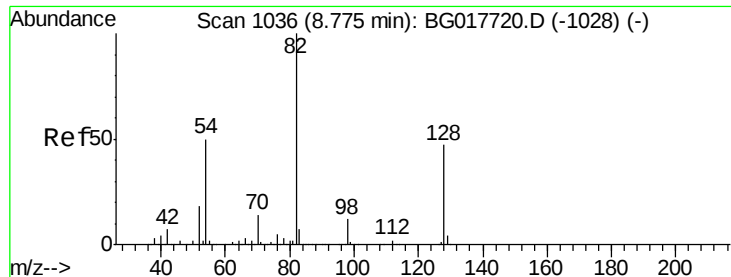
54 6.8 6.6 9.8

68 5.4 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

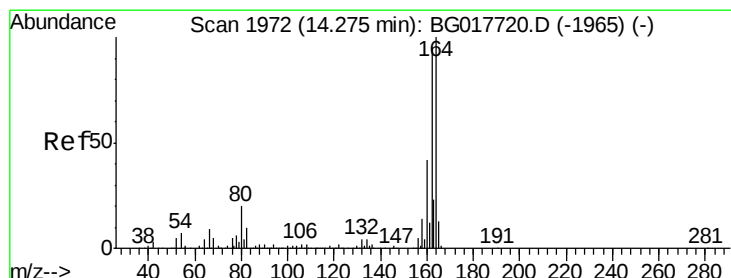
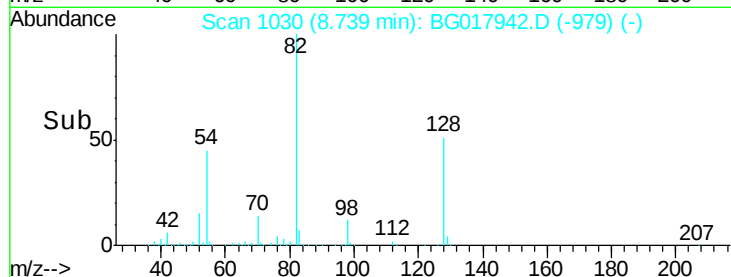
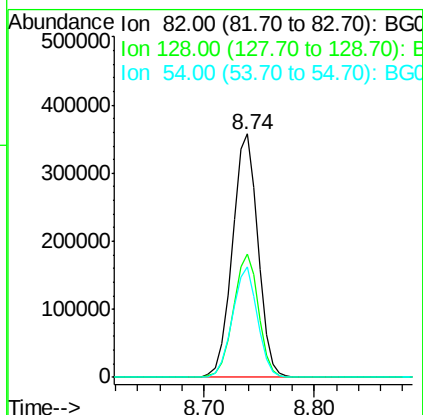
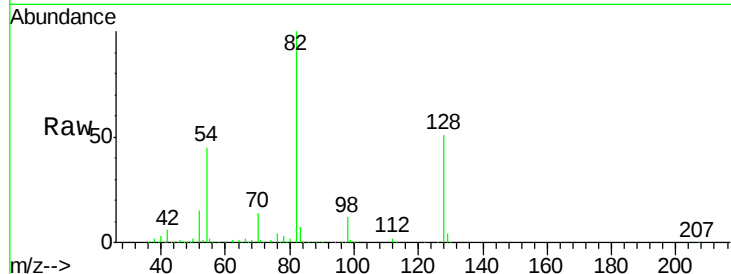




#23  
 Nitrobenzene-d5  
 Concen: 87.05 ng  
 RT: 8.74 min Scan# 1030  
 Delta R.T. -0.00 min  
 Lab File: BG017942.D  
 Acq: 18 Jul 2015 1:02

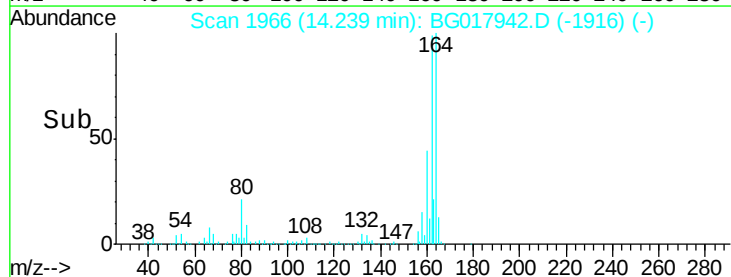
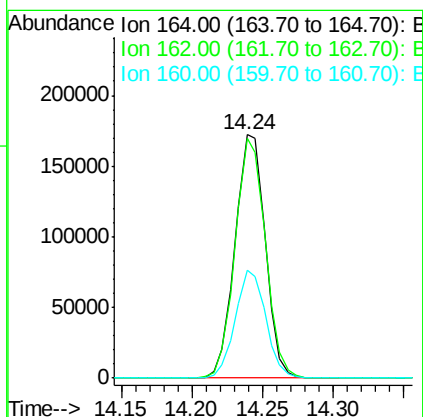
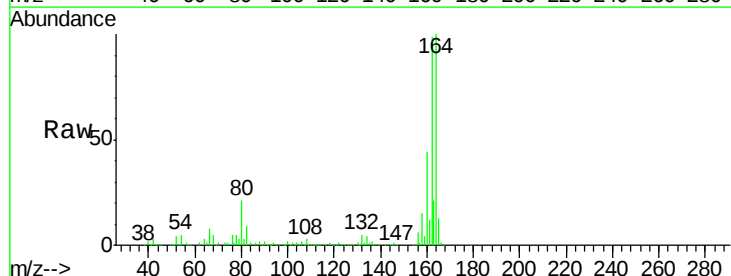
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TE-RMW2-22D

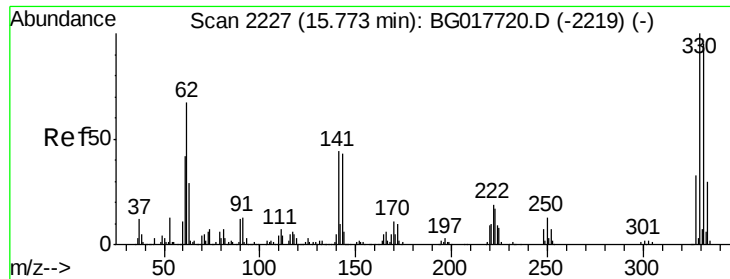
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 50.7  | 37.8  | 56.6  |
| 54      | 45.5  | 39.9  | 59.9  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.24 min Scan# 1966  
 Delta R.T. -0.01 min  
 Lab File: BG017942.D  
 Acq: 18 Jul 2015 1:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 98.7  | 76.3  | 114.5 |
| 160     | 44.4  | 33.7  | 50.5  |

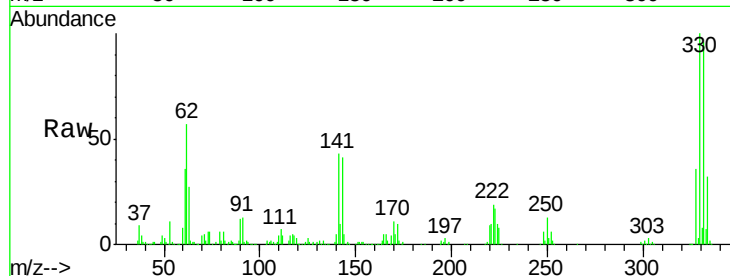




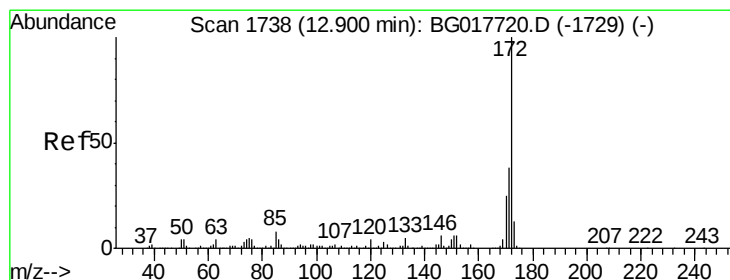
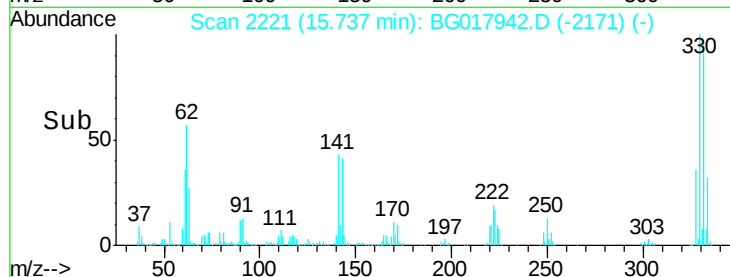
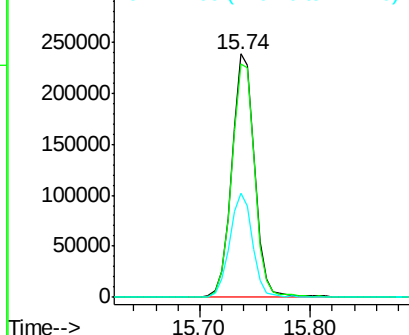
#41  
 2,4,6-Tribromophenol  
 Concen: 132.87 ng  
 RT: 15.74 min Scan# 2221  
 Delta R.T. -0.01 min  
 Lab File: BG017942.D  
 Acq: 18 Jul 2015 1:02

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TE-RMW2-22D

Tgt Ion:330 Resp: 345287  
 Ion Ratio Lower Upper  
 330 100  
 332 97.4 76.8 115.2  
 141 42.9 38.0 57.0

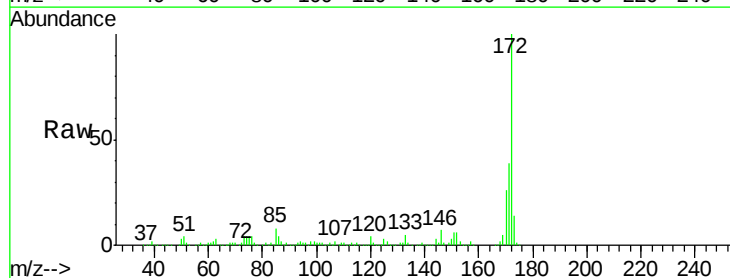


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

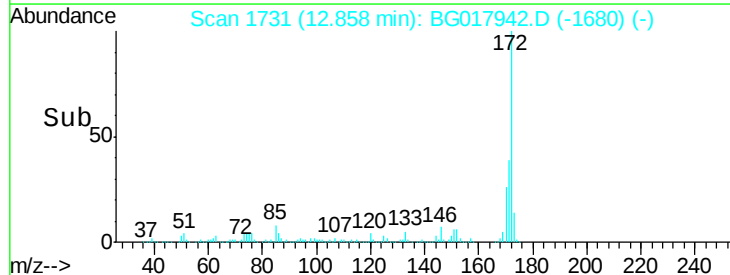
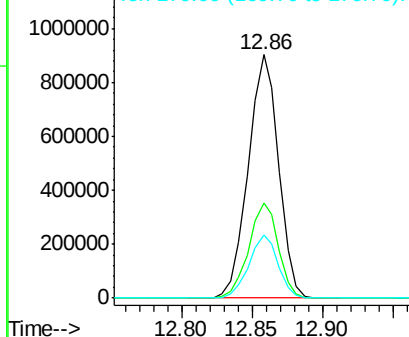


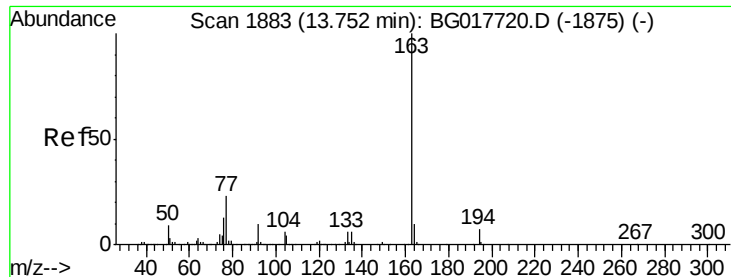
#44  
 2-Fluorobiphenyl  
 Concen: 91.79 ng  
 RT: 12.86 min Scan# 1731  
 Delta R.T. -0.00 min  
 Lab File: BG017942.D  
 Acq: 18 Jul 2015 1:02

Tgt Ion:172 Resp: 1358581  
 Ion Ratio Lower Upper  
 172 100  
 171 39.0 30.7 46.1  
 170 25.8 19.7 29.5



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





#49

Dimethylphthalate

Concen: 2.50 ng

RT: 13.70 min Scan# 1875

Delta R.T. -0.01 min

Lab File: BG017942.D

Acq: 18 Jul 2015 1:02

Instrument :

BNA\_G

ClientSampleId :

TE-RMW2-22D

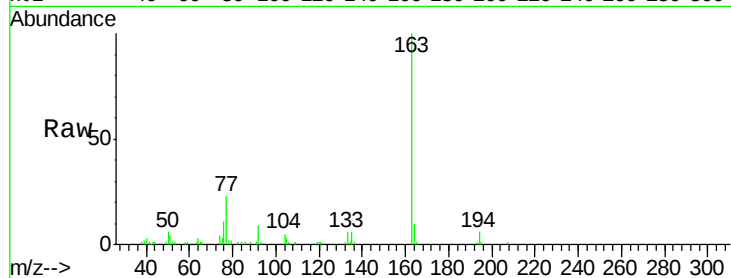
Tgt Ion:163 Resp: 44588

Ion Ratio Lower Upper

163 100

194 6.4 5.8 8.6

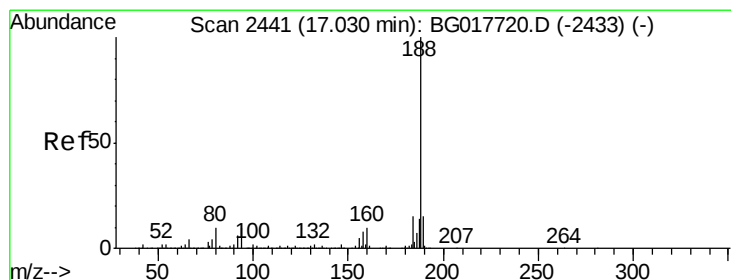
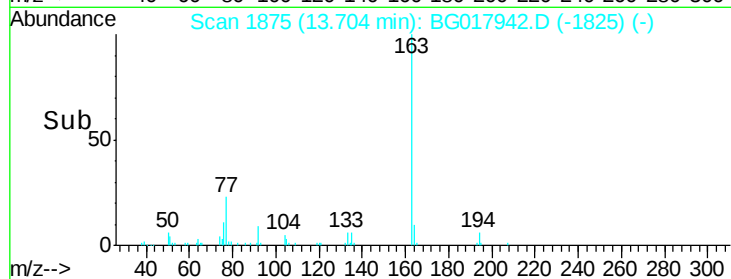
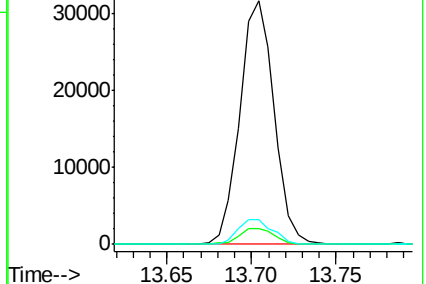
164 10.4 8.3 12.5



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 16.99 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG017942.D

Acq: 18 Jul 2015 1:02

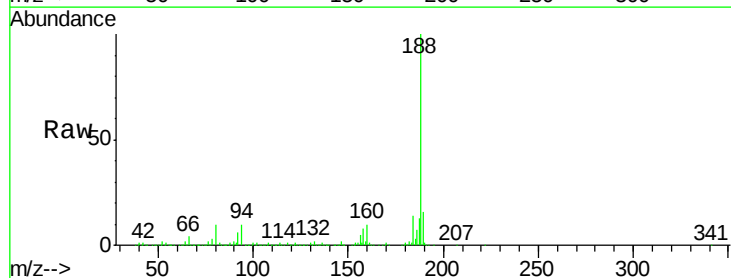
Tgt Ion:188 Resp: 532516

Ion Ratio Lower Upper

188 100

94 9.8 8.2 12.2

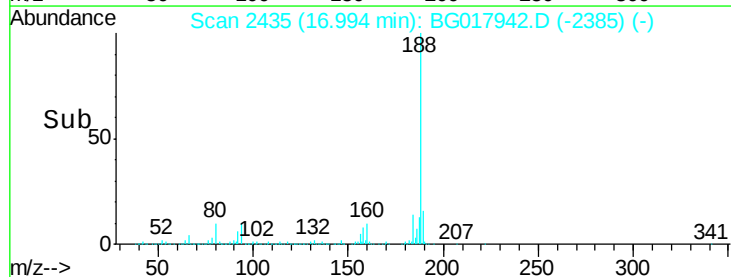
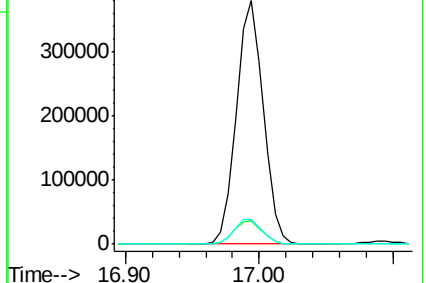
80 10.2 8.2 12.4

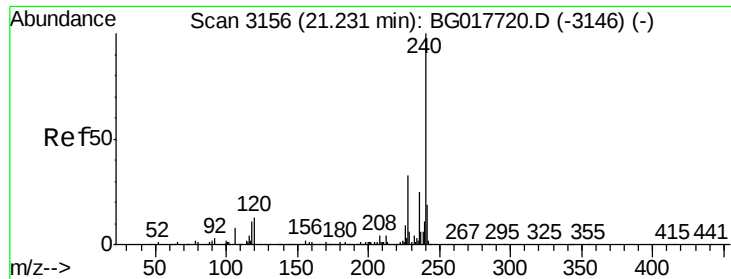


Abundance Ion 188.00 (187.70 to 188.70): E

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: 21.20 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG017942.D

Acq: 18 Jul 2015 1:02

Instrument :

BNA\_G

ClientSampleId :

TE-RMW2-22D

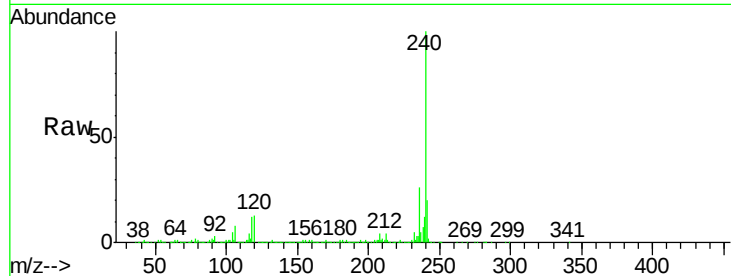
Tgt Ion:240 Resp: 537973

Ion Ratio Lower Upper

240 100

120 13.3 10.8 16.2

236 26.4 20.0 30.0



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

21.20

400000

300000

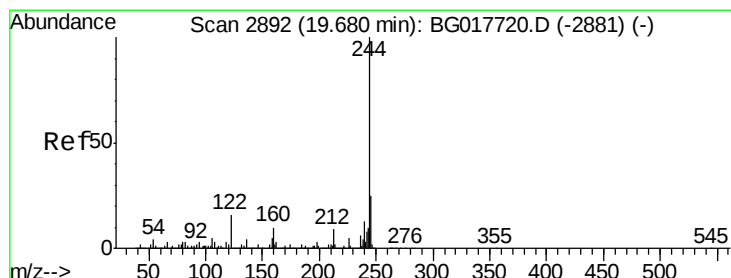
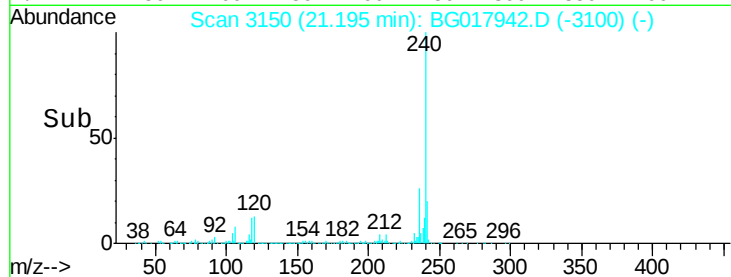
200000

100000

0

Time-->

21.10 21.20 21.30



#78

Terphenyl-d14

Concen: 87.20 ng

RT: 19.64 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG017942.D

Acq: 18 Jul 2015 1:02

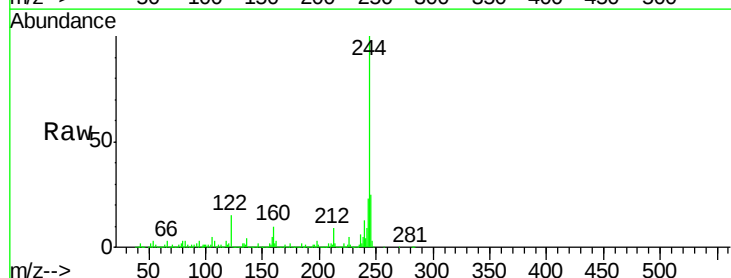
Tgt Ion:244 Resp: 1862291

Ion Ratio Lower Upper

244 100

212 9.1 7.2 10.8

122 15.5 12.8 19.2



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

19.64

1500000

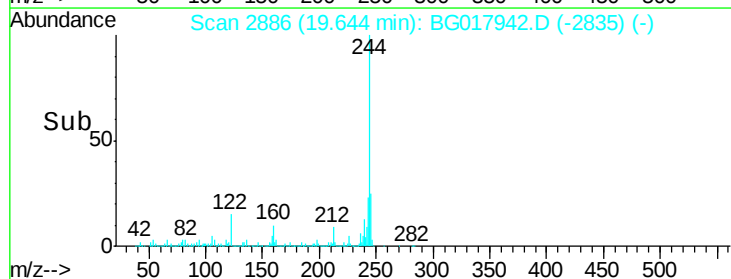
1000000

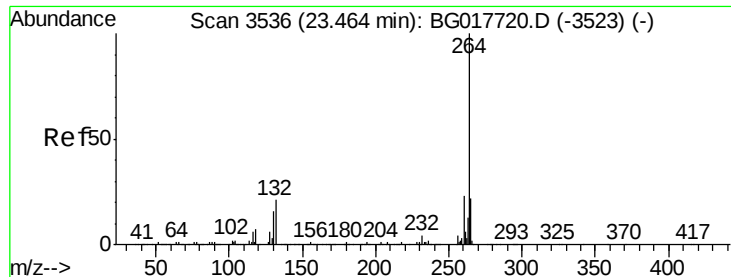
500000

0

Time-->

19.60 19.70 19.80





#86

Perylene-d12

Concen: 20.00 ng

RT: 23.41 min Scan# 3527

Delta R.T. -0.01 min

Lab File: BG017942.D

Acq: 18 Jul 2015 1:02

Instrument :

BNA\_G

ClientSampleId :

TE-RMW2-22D

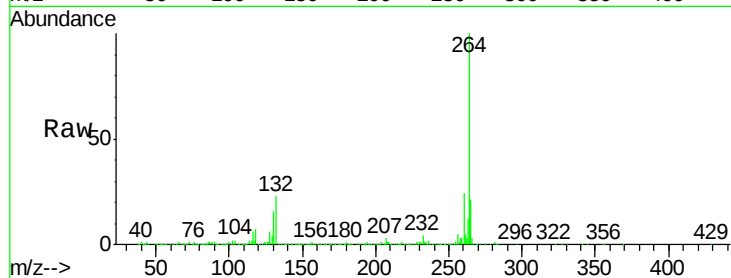
Tgt Ion: 264 Resp: 521510

Ion Ratio Lower Upper

264 100

260 24.1 18.6 27.8

265 21.5 18.2 27.2



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

