

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG071915\  
 Data File : BG017977.D  
 Acq On : 20 Jul 2015 3:02  
 Operator : TP/UM  
 Sample : G2994-28  
 Misc :  
 ALS Vial : 53 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TEC-COMP

Quant Time: Jul 20 03:48:47 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

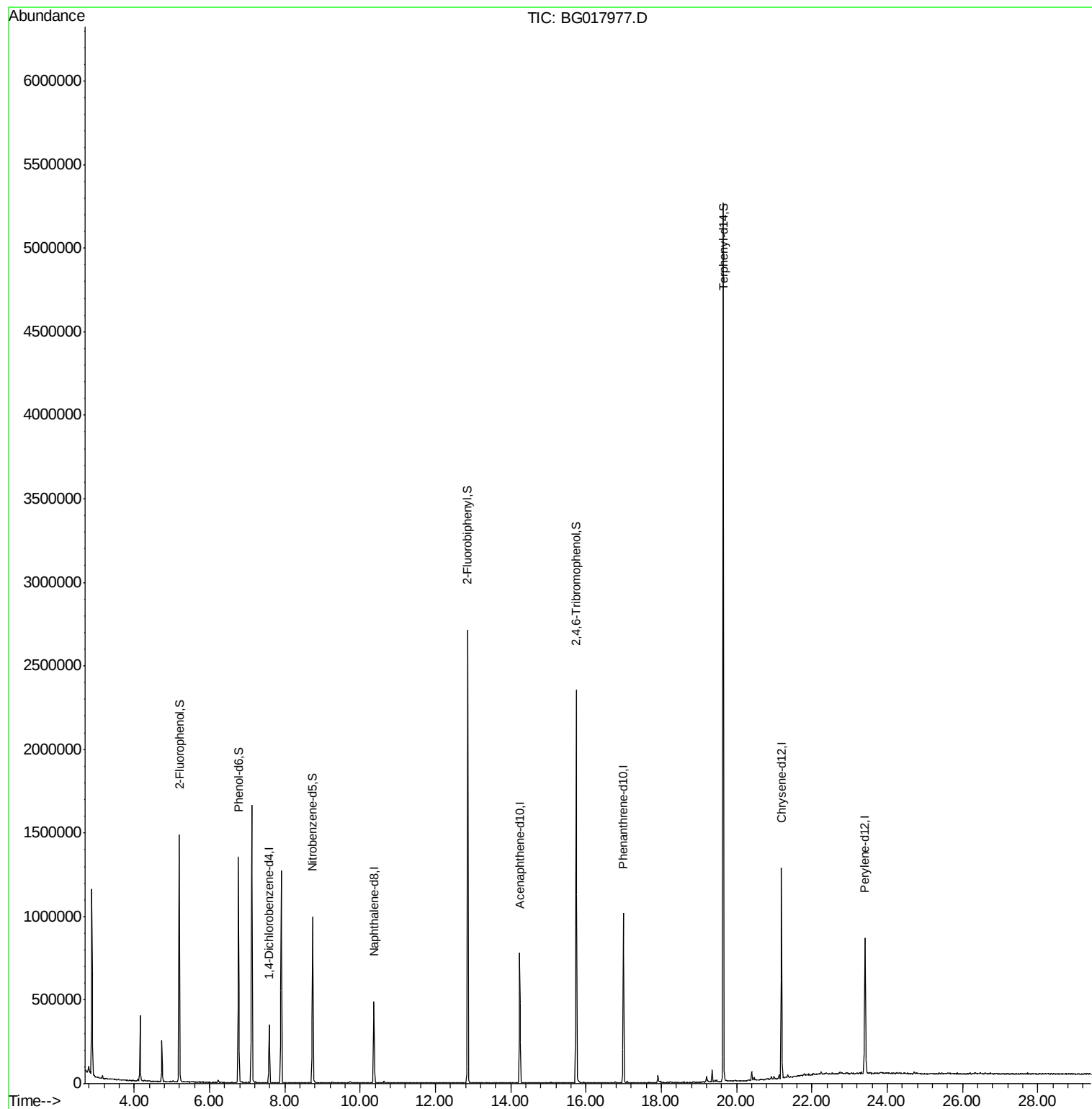
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.58  | 152  | 95751    | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.36 | 136  | 410778   | 20.00     | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.24 | 164  | 254799   | 20.00     | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.00 | 188  | 573724   | 20.00     | ng    | 0.00     |
| 75) Chrysene-d12            | 21.20 | 240  | 583481   | 20.00     | ng    | 0.00     |
| 86) Perylene-d12            | 23.41 | 264  | 566937   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |           |       |          |
| 5) 2-Fluorophenol           | 5.20  | 112  | 660860   | 120.40    | ng    | 0.00     |
| 7) Phenol-d6                | 6.77  | 99   | 794216   | 110.45    | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.74  | 82   | 562996   | 88.77     | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.74 | 330  | 413469   | 160.17    | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.86 | 172  | 1355243  | 92.17     | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.65 | 244  | 2017009  | 87.08     | ng    | 0.00     |
| Target Compounds            |       |      |          |           |       |          |
| 32) Benzoic acid            | 9.87  | 122  | 54       | Below Cal | #     | 1        |
| 53) 2,4-Dinitrophenol       | 14.27 | 184  | 86       | Below Cal | #     | 24       |
| 69) Pentachlorophenol       | 16.60 | 266  | 273      | Below Cal | #     | 1        |

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

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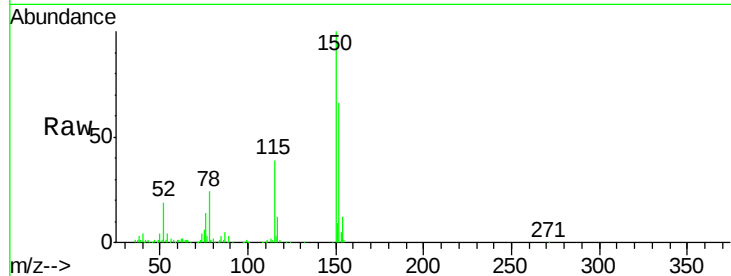


#1

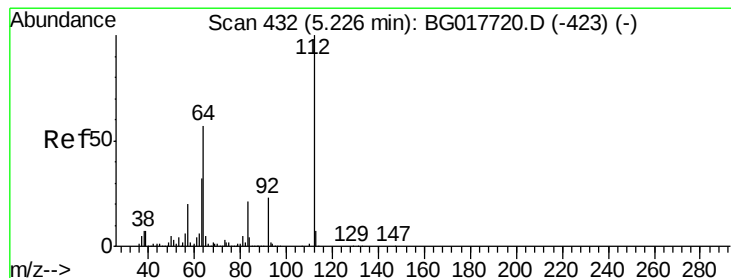
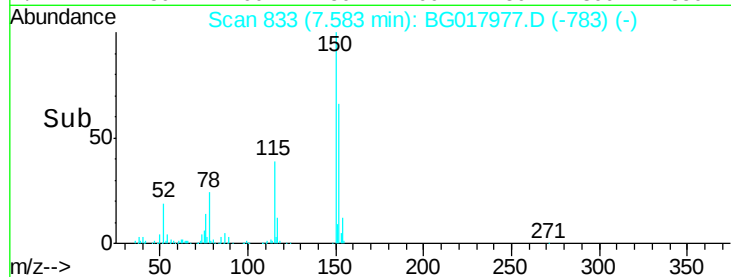
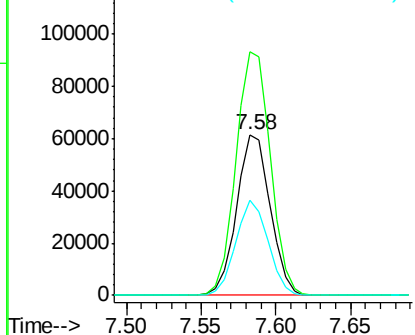
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.58 min Scan# 833  
Delta R.T. -0.01 min  
Lab File: BG017977.D  
Acq: 20 Jul 2015 3:02

Instrument :  
BNA\_G  
ClientSampleId :  
TEC-COMP

Tgt Ion:152 Resp: 95751  
Ion Ratio Lower Upper  
152 100  
150 151.7 119.1 178.7  
115 59.0 47.0 70.4



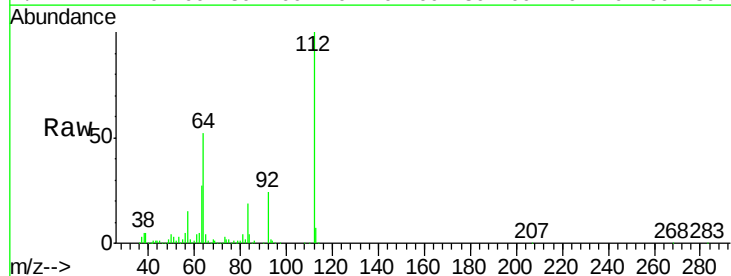
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



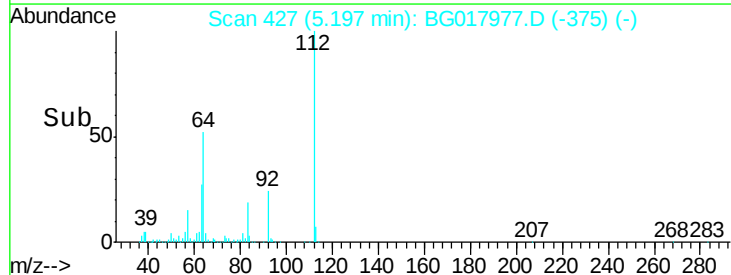
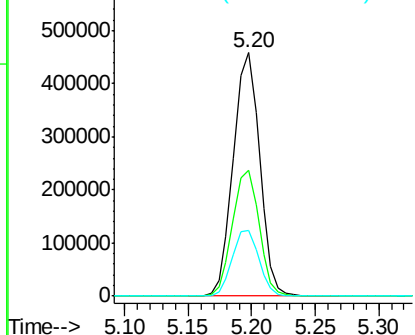
#5

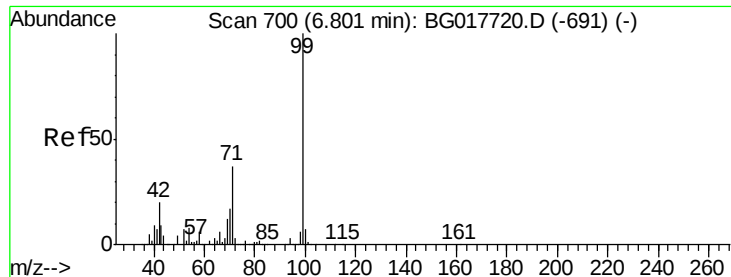
2-Fluorophenol  
Concen: 120.40 ng  
RT: 5.20 min Scan# 427  
Delta R.T. 0.01 min  
Lab File: BG017977.D  
Acq: 20 Jul 2015 3:02

Tgt Ion:112 Resp: 660860  
Ion Ratio Lower Upper  
112 100  
64 51.5 45.4 68.0  
63 27.0 25.3 37.9



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG0  
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 110.45 ng

RT: 6.77 min Scan# 695

Delta R.T. 0.01 min

Lab File: BG017977.D

Acq: 20 Jul 2015 3:02

Instrument :

BNA\_G

ClientSampleId :

TEC-COMP

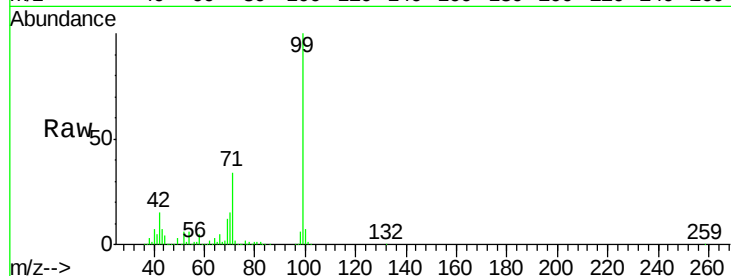
Tgt Ion: 99 Resp: 794216

Ion Ratio Lower Upper

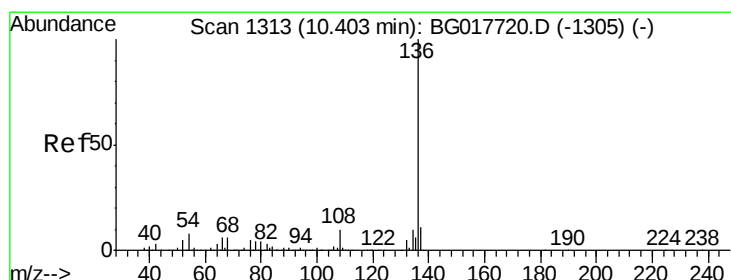
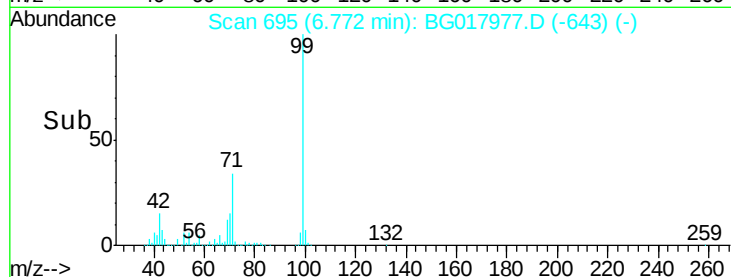
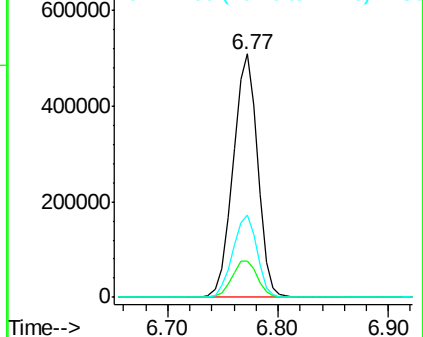
99 100

42 15.2 16.2 24.4#

71 34.0 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: BG017977.D

Acq: 20 Jul 2015 3:02

Tgt Ion: 136 Resp: 410778

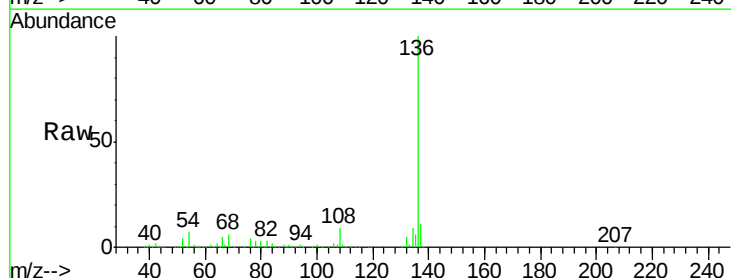
Ion Ratio Lower Upper

136 100

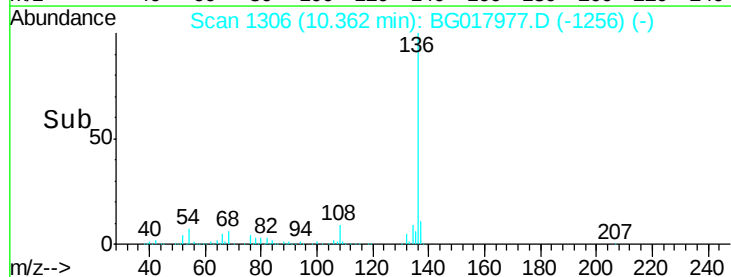
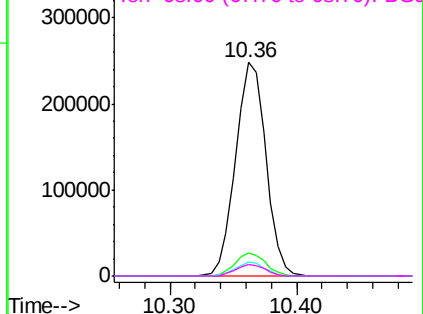
137 11.0 8.8 13.2

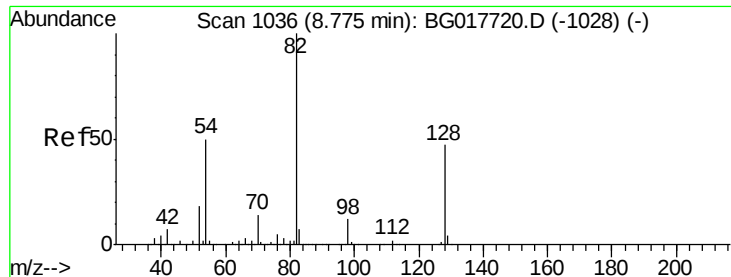
54 6.6 6.6 9.8

68 5.6 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

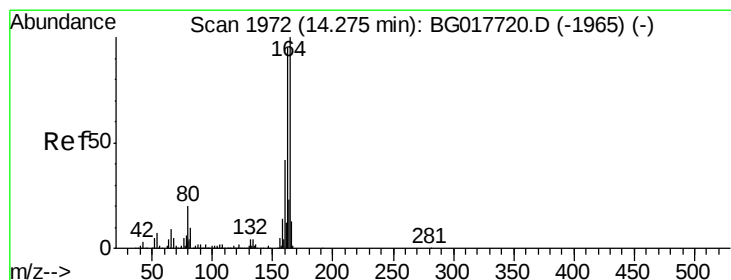
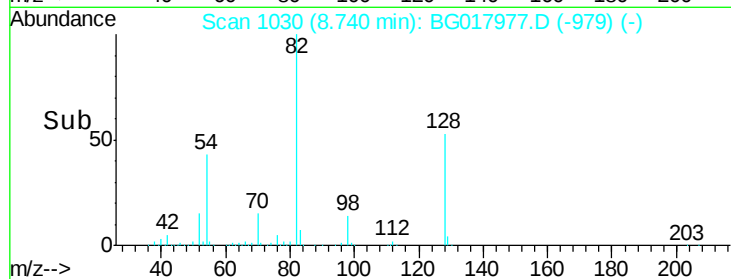
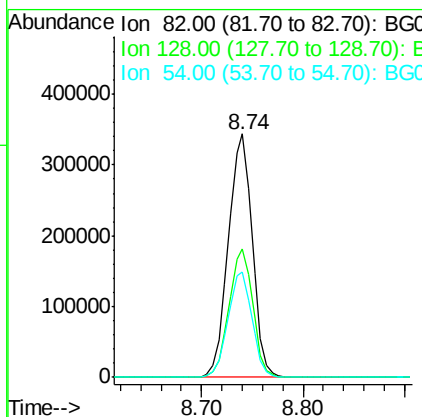
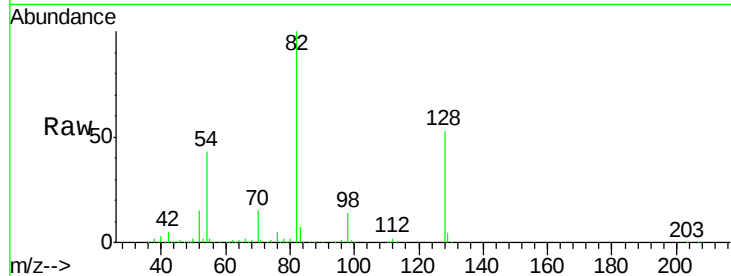




#23  
 Nitrobenzene-d5  
 Concen: 88.77 ng  
 RT: 8.74 min Scan# 1030  
 Delta R.T. 0.00 min  
 Lab File: BG017977.D  
 Acq: 20 Jul 2015 3:02

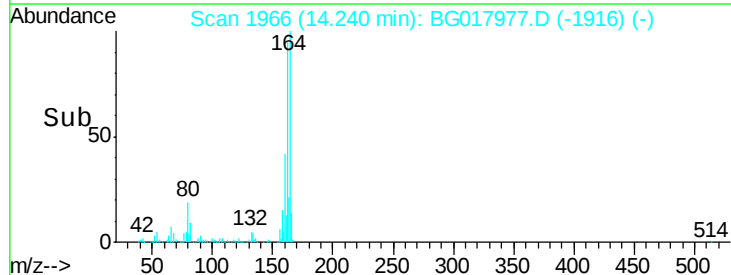
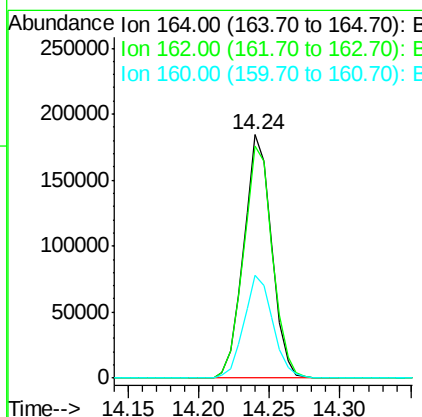
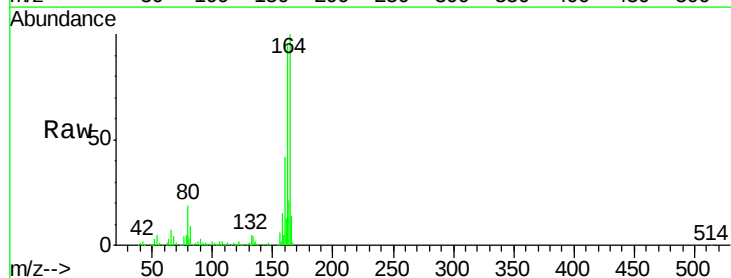
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TEC-COMP

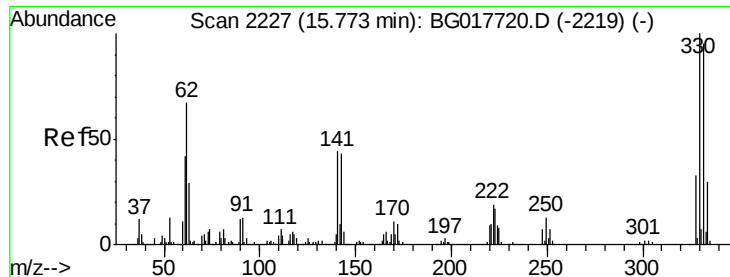
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 52.6  | 37.8  | 56.6  |
| 54      | 43.3  | 39.9  | 59.9  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.24 min Scan# 1966  
 Delta R.T. -0.01 min  
 Lab File: BG017977.D  
 Acq: 20 Jul 2015 3:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 95.2  | 76.3  | 114.5 |
| 160     | 42.4  | 33.7  | 50.5  |

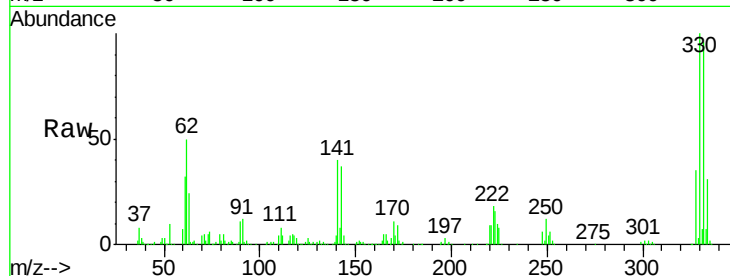




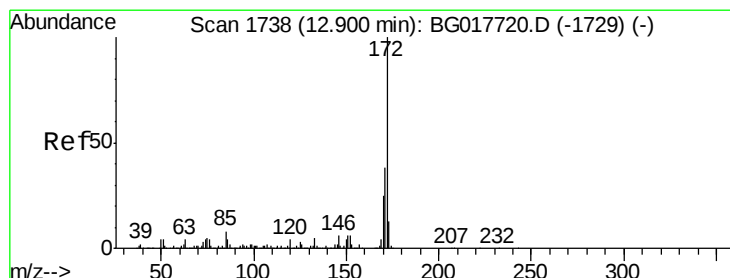
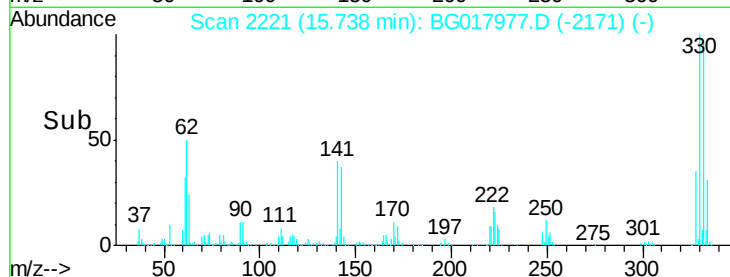
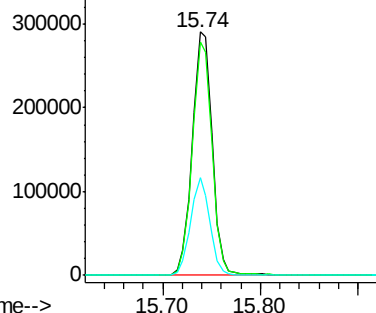
#41  
 2,4,6-Tribromophenol  
 Concen: 160.17 ng  
 RT: 15.74 min Scan# 2221  
 Delta R.T. -0.01 min  
 Lab File: BG017977.D  
 Acq: 20 Jul 2015 3:02

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TEC-COMP

Tgt Ion:330 Resp: 413469  
 Ion Ratio Lower Upper  
 330 100  
 332 94.5 76.8 115.2  
 141 38.4 38.0 57.0

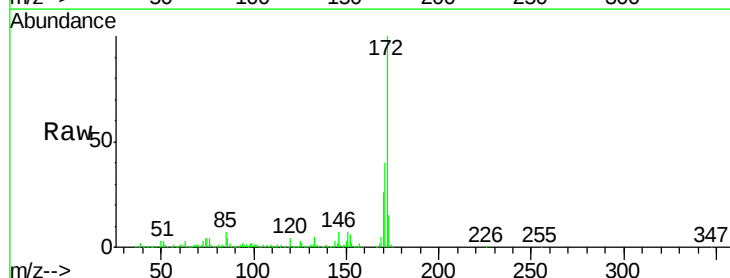


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

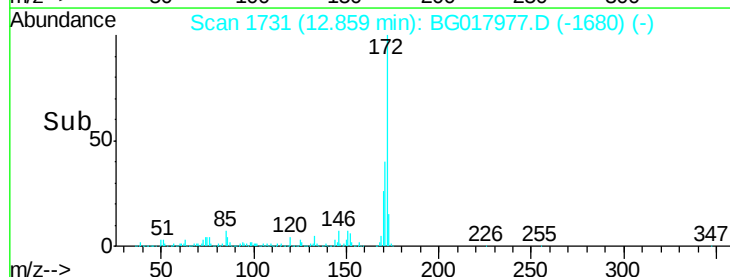
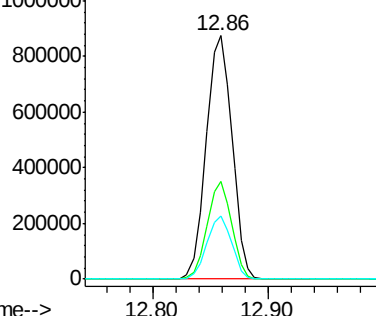


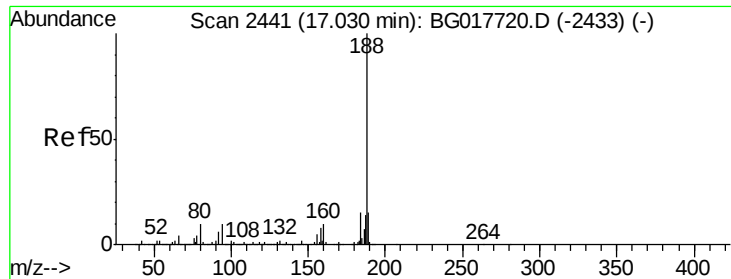
#44  
 2-Fluorobiphenyl  
 Concen: 92.17 ng  
 RT: 12.86 min Scan# 1731  
 Delta R.T. 0.00 min  
 Lab File: BG017977.D  
 Acq: 20 Jul 2015 3:02

Tgt Ion:172 Resp: 1355243  
 Ion Ratio Lower Upper  
 172 100  
 171 39.9 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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.00 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG017977.D

Acq: 20 Jul 2015 3:02

Instrument :

BNA\_G

ClientSampleId :

TEC-COMP

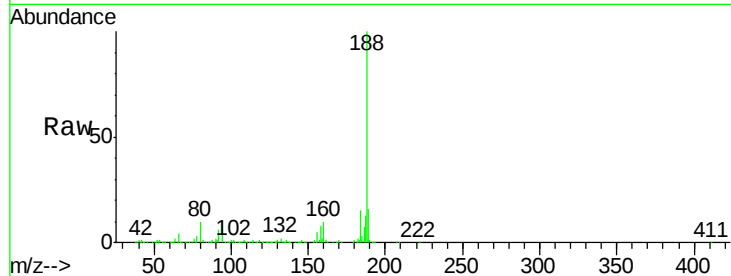
Tgt Ion:188 Resp: 573724

Ion Ratio Lower Upper

188 100

94 9.5 8.2 12.2

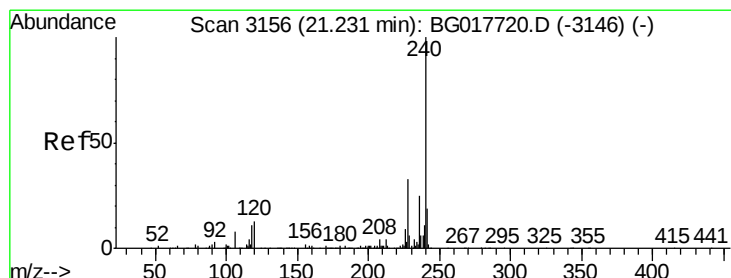
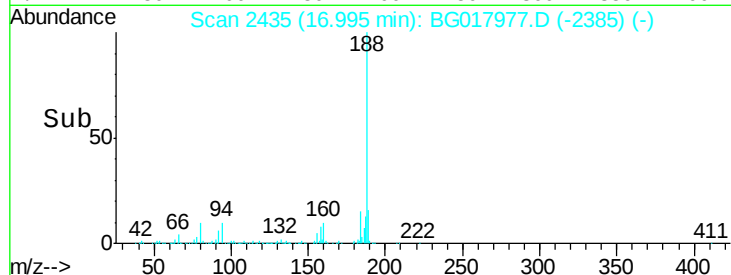
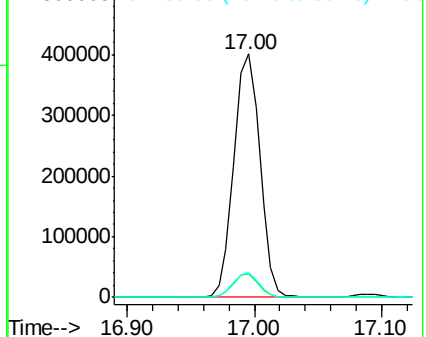
80 10.1 8.2 12.4



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: 21.20 min Scan# 3150

Delta R.T. -0.01 min

Lab File: BG017977.D

Acq: 20 Jul 2015 3:02

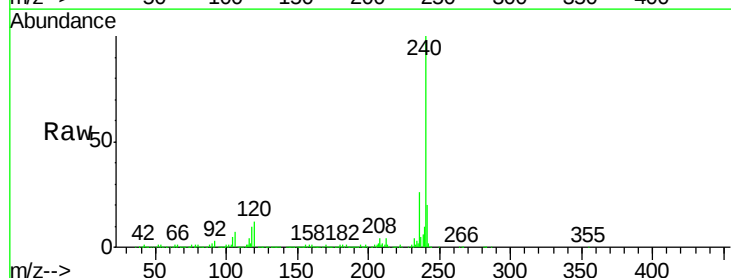
Tgt Ion:240 Resp: 583481

Ion Ratio Lower Upper

240 100

120 12.2 10.8 16.2

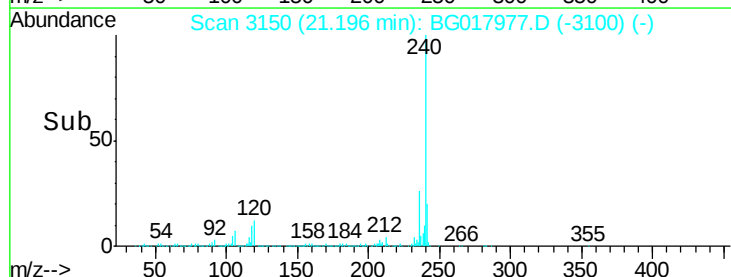
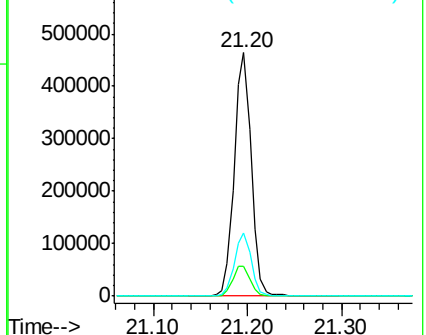
236 25.8 20.0 30.0

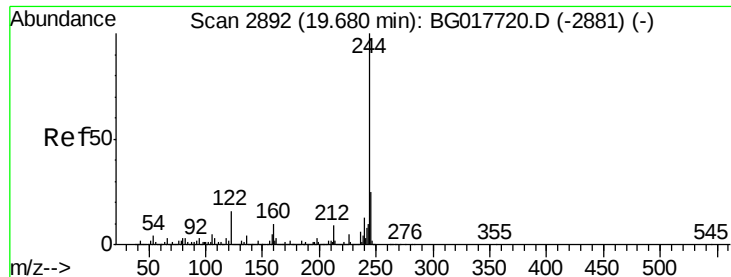


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 87.08 ng

RT: 19.65 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BG017977.D

Acq: 20 Jul 2015 3:02

Instrument :

BNA\_G

ClientSampleId :

TEC-COMP

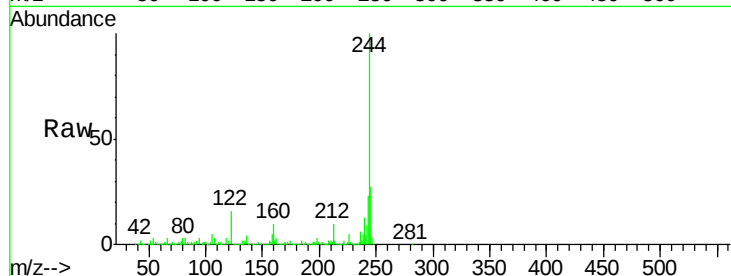
Tgt Ion:244 Resp: 2017009

Ion Ratio Lower Upper

244 100

212 9.6 7.2 10.8

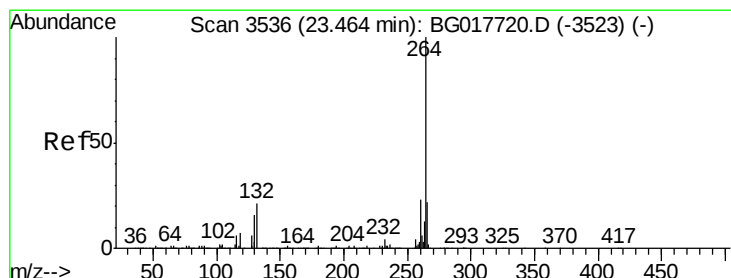
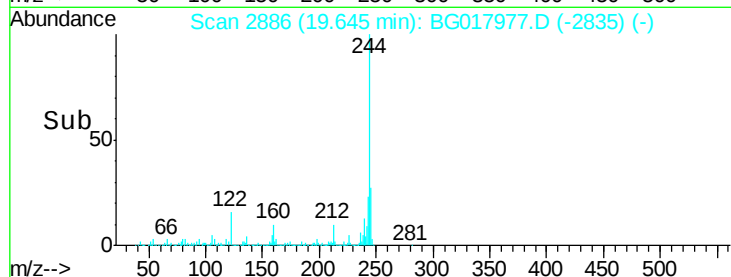
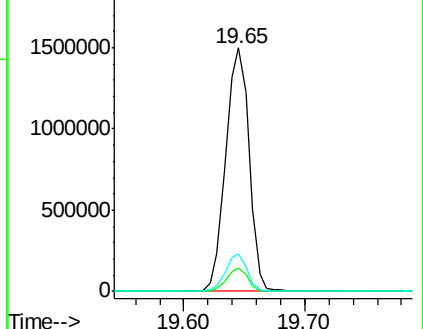
122 15.6 12.8 19.2



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.41 min Scan# 3527

Delta R.T. -0.01 min

Lab File: BG017977.D

Acq: 20 Jul 2015 3:02

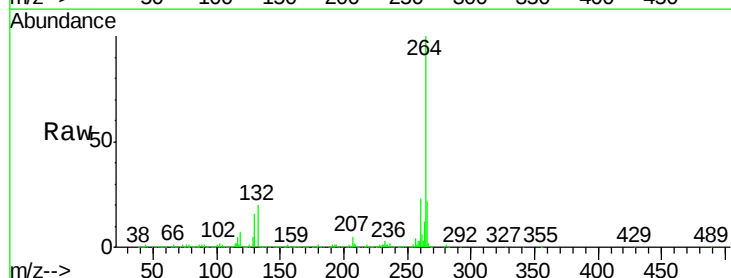
Tgt Ion:264 Resp: 566937

Ion Ratio Lower Upper

264 100

260 23.5 18.6 27.8

265 21.9 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

