

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG030217\  
 Data File : BG026043.D  
 Acq On : 2 Mar 2017 23:54  
 Operator : SJ/MA  
 Sample : I2056-09  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 8B-21

Quant Time: Mar 03 00:42:51 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG021717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 28 15:36:56 2017  
 Response via : Initial Calibration

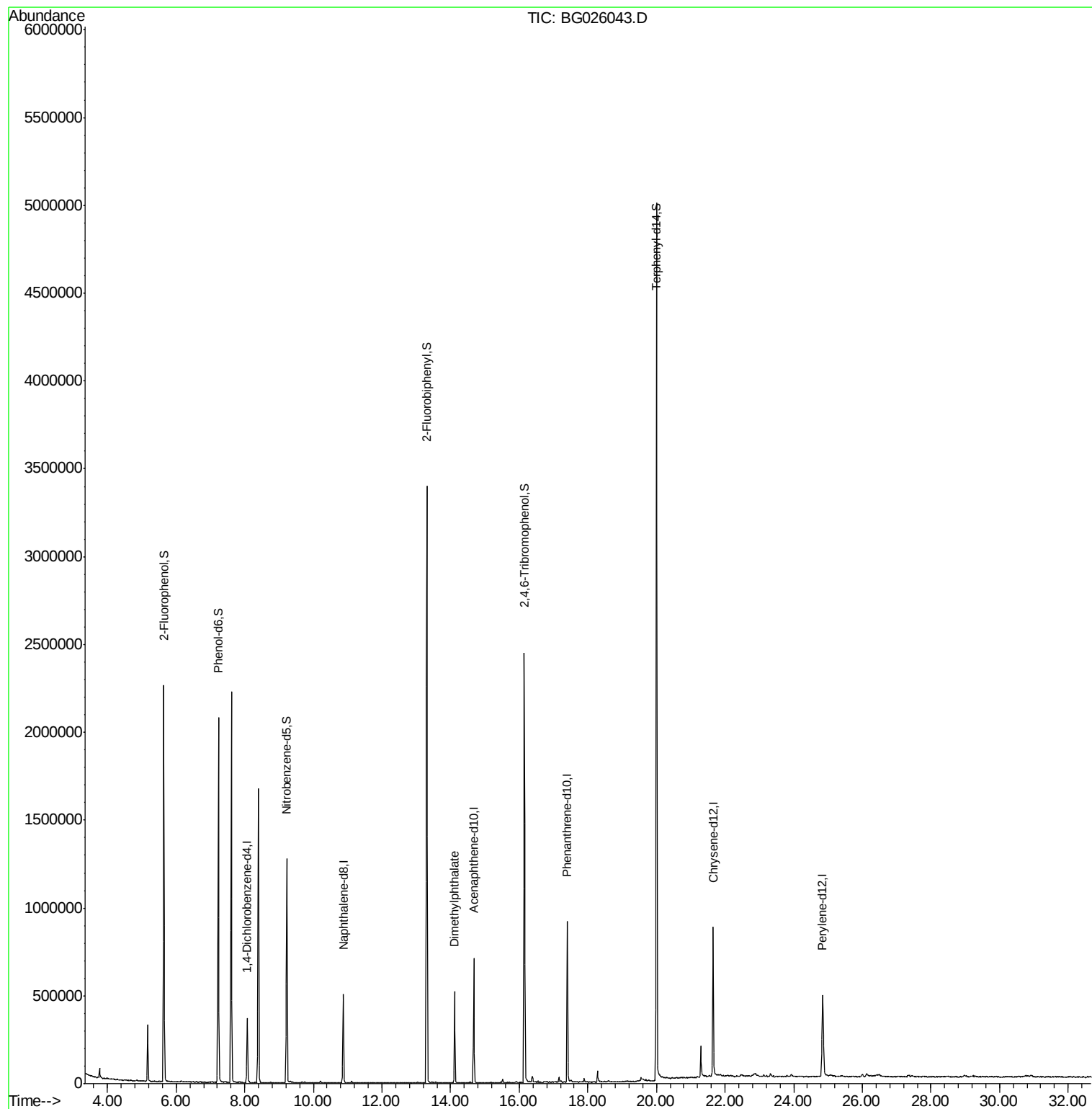
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.07  | 152  | 109152   | 20.00  | ng    | -0.02        |
| 21) Naphthalene-d8          | 10.87 | 136  | 460200   | 20.00  | ng    | -0.02        |
| 38) Acenaphthene-d10        | 14.67 | 164  | 253231   | 20.00  | ng    | -0.02        |
| 63) Phenanthrene-d10        | 17.40 | 188  | 584490   | 20.00  | ng    | -0.02        |
| 75) Chrysene-d12            | 21.65 | 240  | 556671   | 20.00  | ng    | -0.03        |
| 86) Perylene-d12            | 24.84 | 264  | 517208   | 20.00  | ng    | -0.04        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.64  | 112  | 1072716  | 171.10 | ng    | -0.01        |
| 7) Phenol-d6                | 7.23  | 99   | 1421722  | 153.24 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 9.23  | 82   | 812398   | 111.41 | ng    | -0.02        |
| 41) 2,4,6-Tribromophenol    | 16.15 | 330  | 463392   | 198.07 | ng    | -0.02        |
| 44) 2-Fluorobiphenyl        | 13.31 | 172  | 1846304  | 127.40 | ng    | -0.02        |
| 78) Terphenyl-d14           | 20.00 | 244  | 2317678  | 101.26 | ng    | -0.02        |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 14.12 | 163  | 371039   | 21.36  | ng    | Qvalue<br>96 |

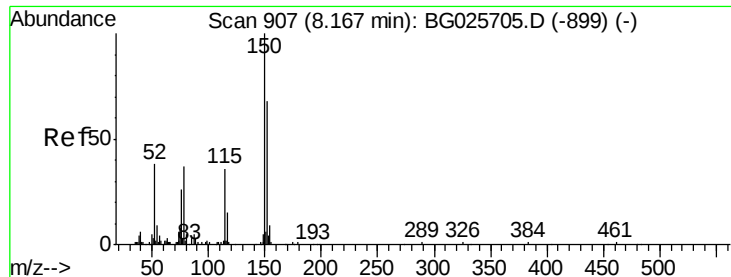
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Feb 28 15:36:56 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.07 min Scan# 805

Delta R.T. -0.02 min

Lab File: BG026043.D

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Instrument :

BNA\_G

ClientSampleId :

8B-21

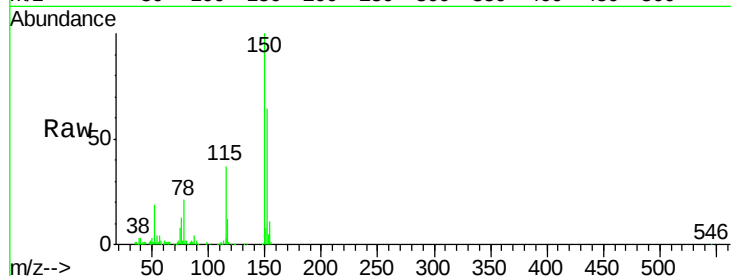
Tgt Ion:152 Resp: 109152

Ion Ratio Lower Upper

152 100

150 156.0 114.0 171.0

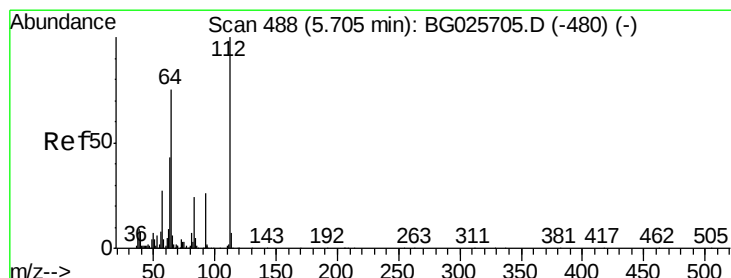
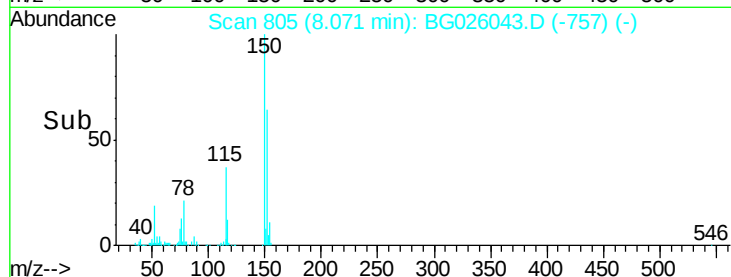
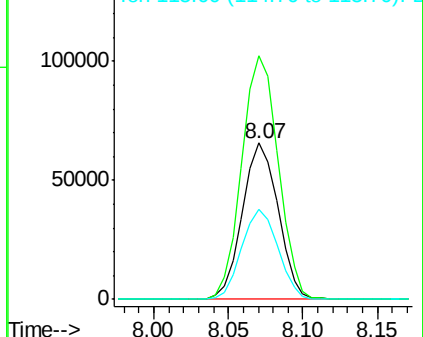
115 57.6 48.1 72.1



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: 171.10 ng

RT: 5.64 min Scan# 392

Delta R.T. -0.01 min

Lab File: BG026043.D

Acq: 2 Mar 2017 23:54

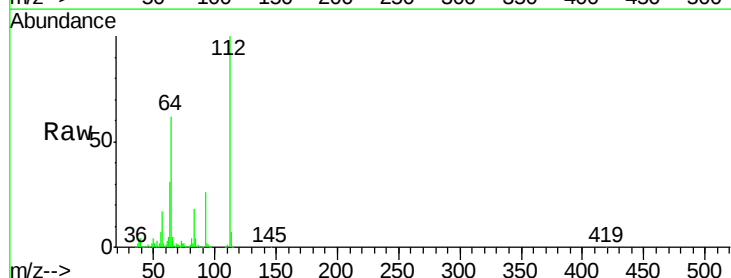
Tgt Ion:112 Resp: 1072716

Ion Ratio Lower Upper

112 100

64 61.8 61.8 92.6

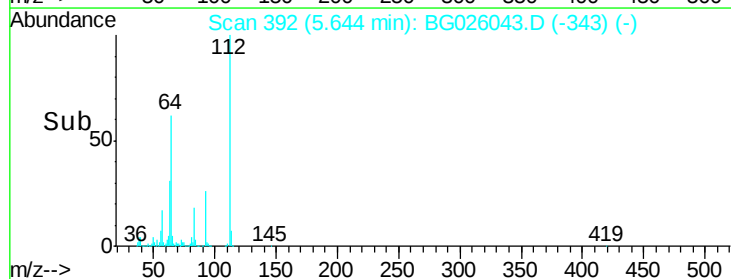
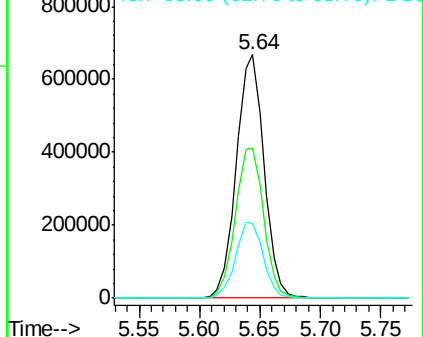
63 30.8 37.2 55.8#

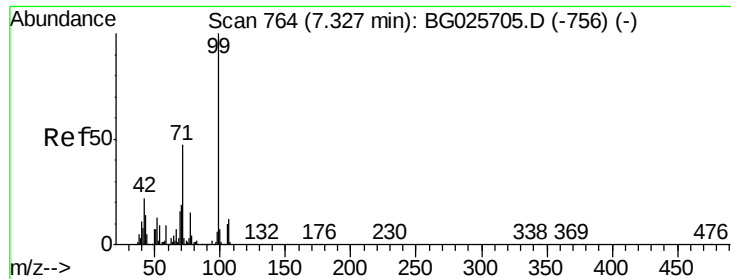


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 153.24 ng

RT: 7.23 min Scan# 662

Delta R.T. -0.01 min

Lab File: BG026043.D

Acq: 2 Mar 2017 23:54

Instrument :

BNA\_G

ClientSampleId :

8B-21

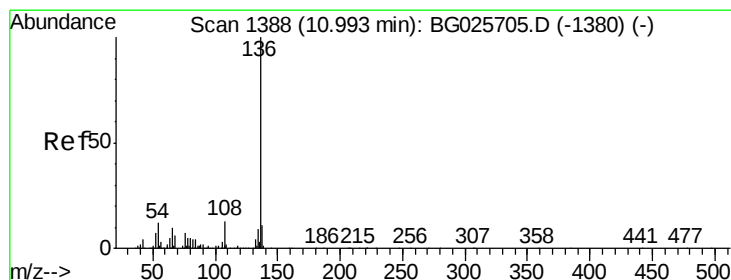
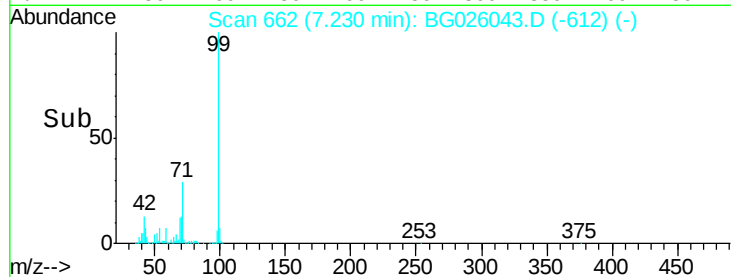
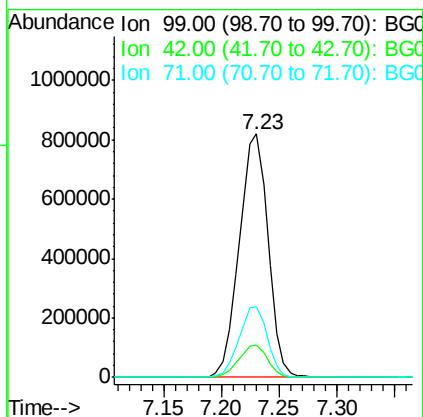
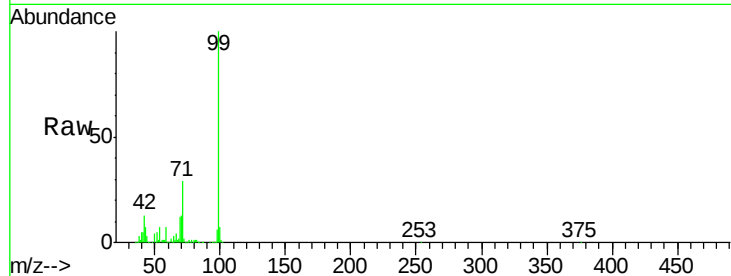
Tgt Ion: 99 Resp: 1421722

Ion Ratio Lower Upper

99 100

42 13.4 20.5 30.7#

71 29.0 37.6 56.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.87 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BG026043.D

Acq: 2 Mar 2017 23:54

Tgt Ion: 136 Resp: 460200

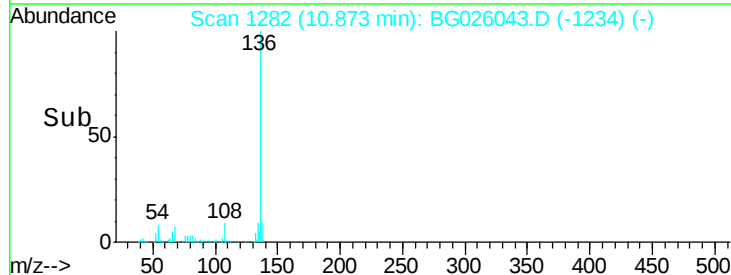
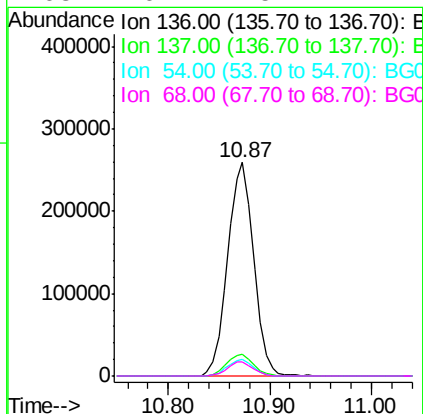
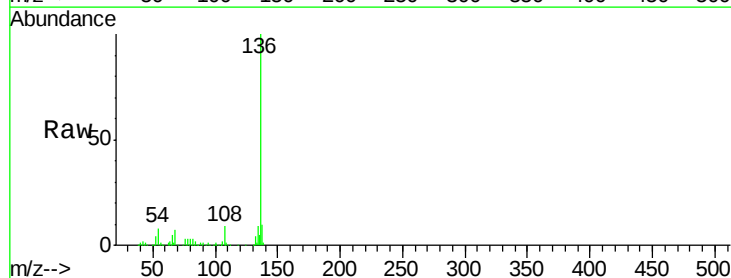
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 7.6 9.3 13.9#

68 6.7 5.1 7.7

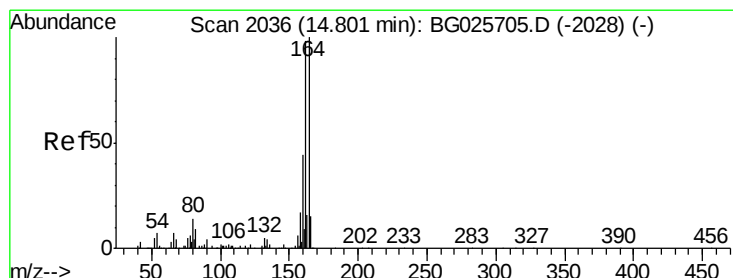
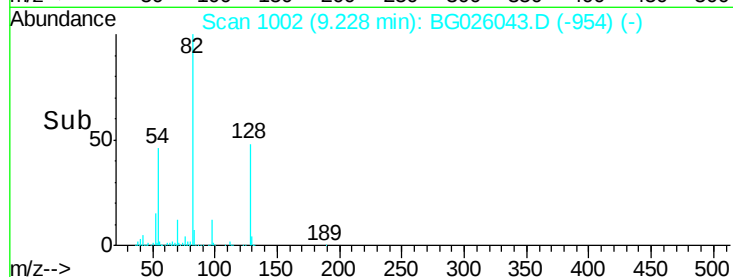
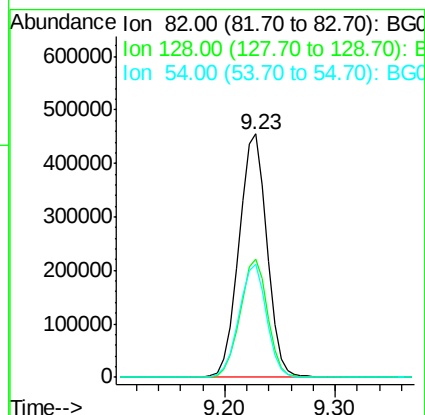
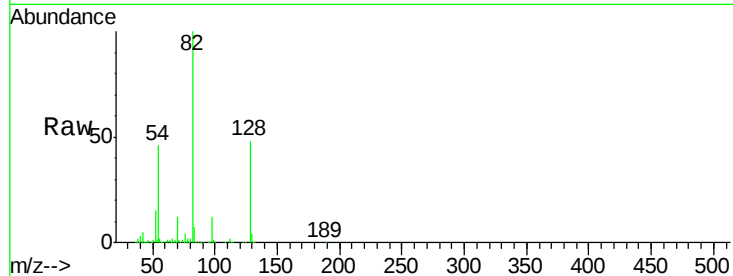




#23  
 Nitrobenzene-d5  
 Concen: 111.41 ng  
 RT: 9.23 min Scan# 1002  
 Delta R.T. -0.02 min  
 Lab File: BG026043.D  
 Acq: 2 Mar 2017 23:54

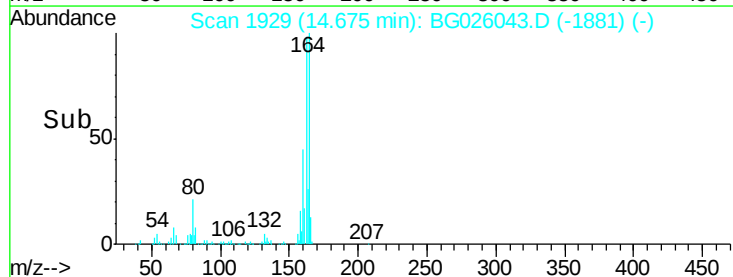
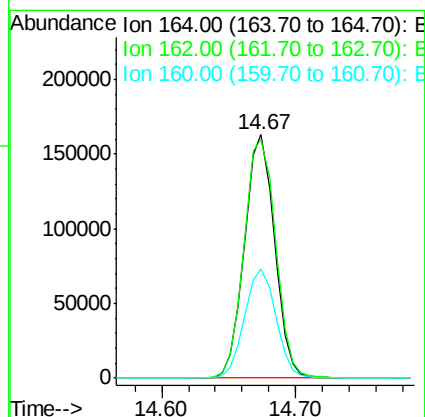
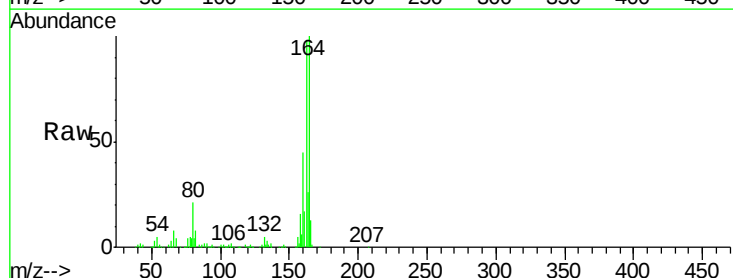
Instrument :  
 BNA\_G  
 ClientSampleId :  
 8B-21

Tgt Ion: 82 Resp: 812398  
 Ion Ratio Lower Upper  
 82 100  
 128 48.5 26.4 39.6#  
 54 46.2 49.4 74.2#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.67 min Scan# 1929  
 Delta R.T. -0.02 min  
 Lab File: BG026043.D  
 Acq: 2 Mar 2017 23:54

Tgt Ion: 164 Resp: 253231  
 Ion Ratio Lower Upper  
 164 100  
 162 97.9 85.1 127.7  
 160 44.7 34.7 52.1

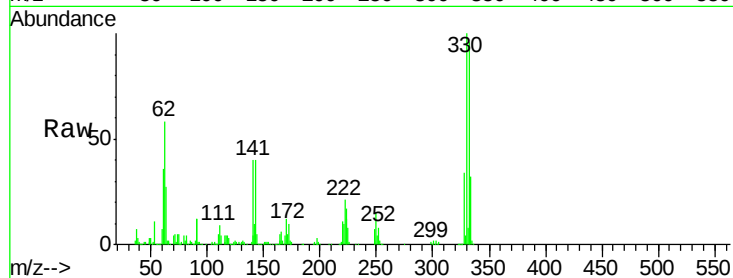




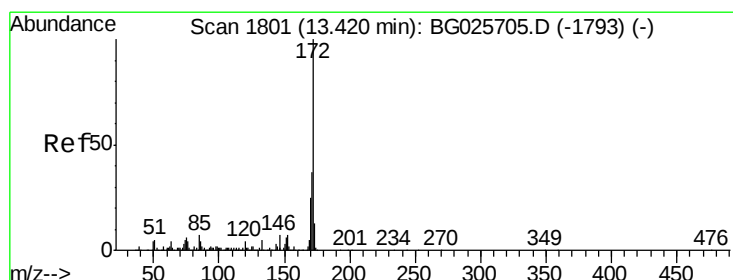
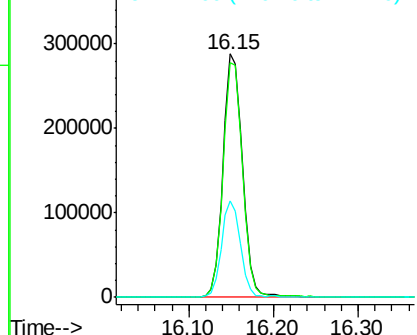
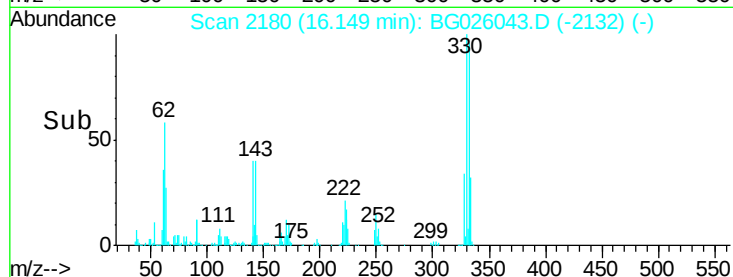
#41  
 2,4,6-Tribromophenol  
 Concen: 198.07 ng  
 RT: 16.15 min Scan# 2180  
 Delta R.T. -0.02 min  
 Lab File: BG026043.D  
 Acq: 2 Mar 2017 23:54

Instrument :  
 BNA\_G  
 ClientSampleId :  
 8B-21

Tgt Ion:330 Resp: 463392  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 77.3 115.9  
 141 38.7 32.1 48.1

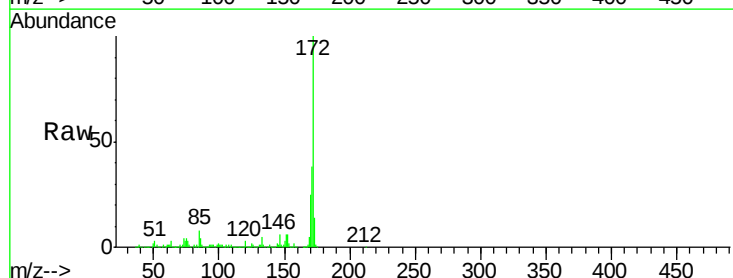


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

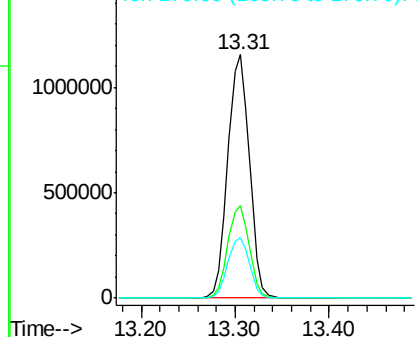
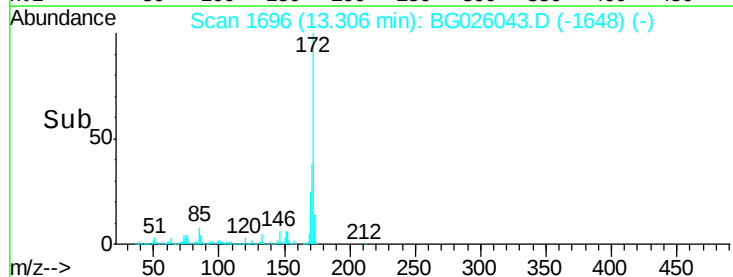


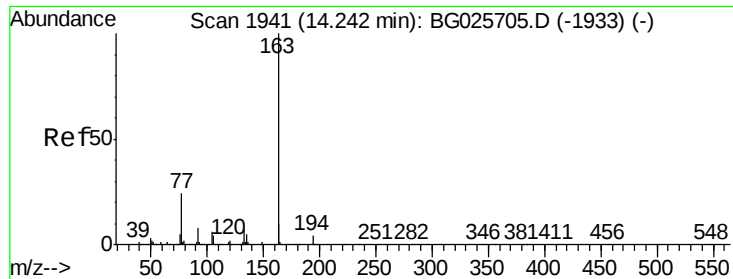
#44  
 2-Fluorobiphenyl  
 Concen: 127.40 ng  
 RT: 13.31 min Scan# 1696  
 Delta R.T. -0.02 min  
 Lab File: BG026043.D  
 Acq: 2 Mar 2017 23:54

Tgt Ion:172 Resp: 1846304  
 Ion Ratio Lower Upper  
 172 100  
 171 38.1 32.2 48.2  
 170 25.1 21.8 32.6



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: 21.36 ng

RT: 14.12 min Scan# 1834

Delta R.T. -0.02 min

Lab File: BG026043.D

Acq: 2 Mar 2017 23:54

Instrument :

BNA\_G

ClientSampleId :

8B-21

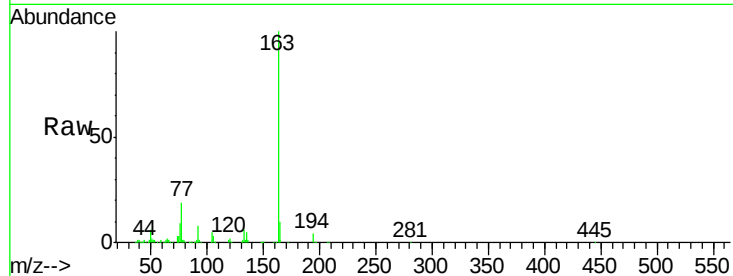
Tgt Ion:163 Resp: 371039

Ion Ratio Lower Upper

163 100

194 4.0 3.8 5.6

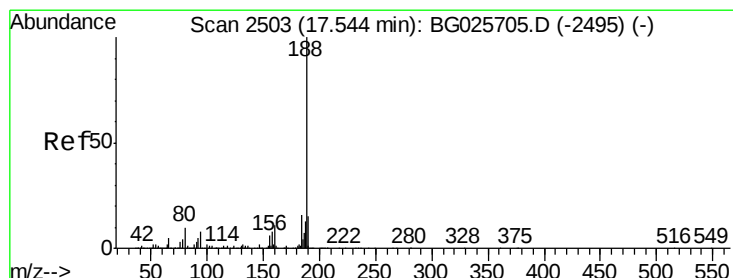
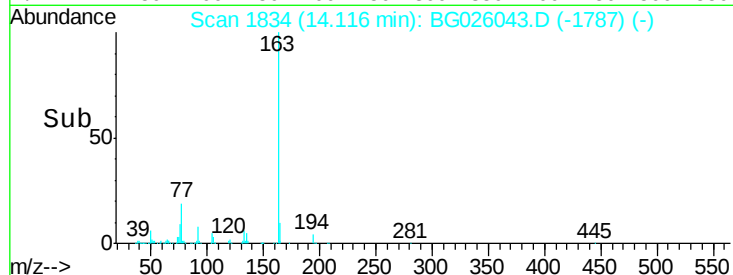
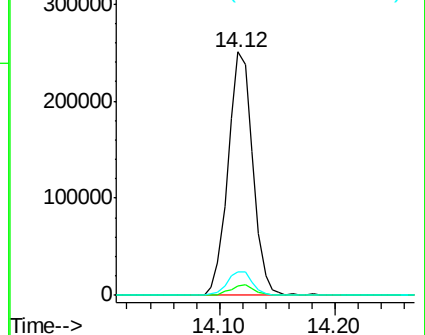
164 9.8 9.3 13.9



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: 17.40 min Scan# 2393

Delta R.T. -0.02 min

Lab File: BG026043.D

Acq: 2 Mar 2017 23:54

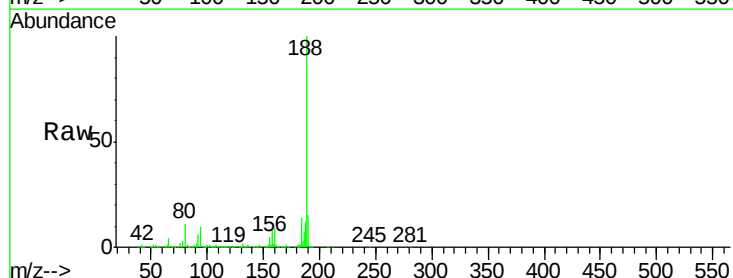
Tgt Ion:188 Resp: 584490

Ion Ratio Lower Upper

188 100

94 9.9 5.8 8.8#

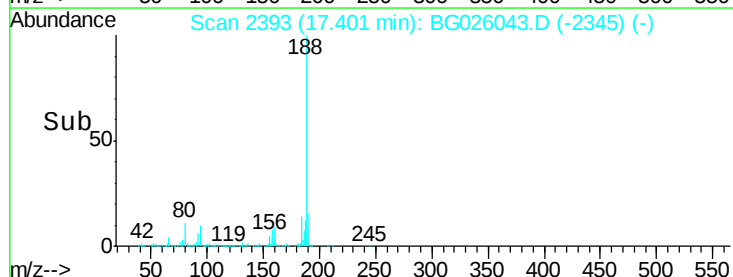
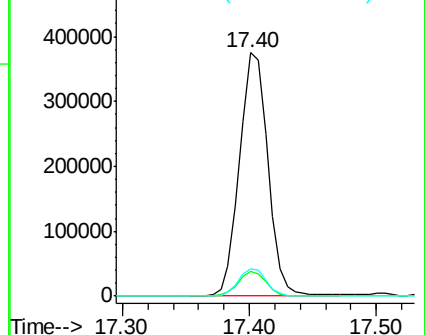
80 11.3 7.5 11.3#

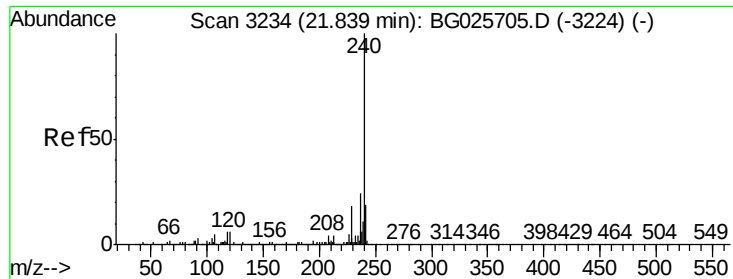


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG0

Ion 80.00 (79.70 to 80.70): BG0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.65 min Scan# 3116

Delta R.T. -0.03 min

Lab File: BG026043.D

Acq: 2 Mar 2017 23:54

Instrument :

BNA\_G

ClientSampleId :

8B-21

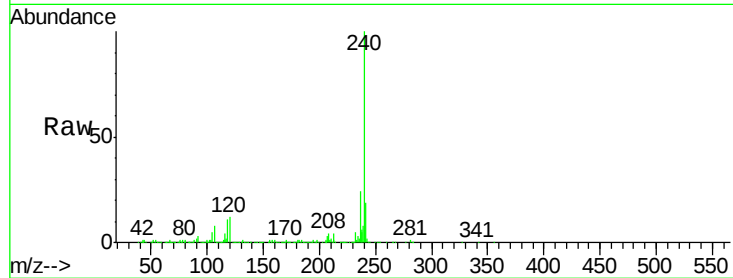
Tgt Ion:240 Resp: 556671

Ion Ratio Lower Upper

240 100

120 12.1 5.7 8.5#

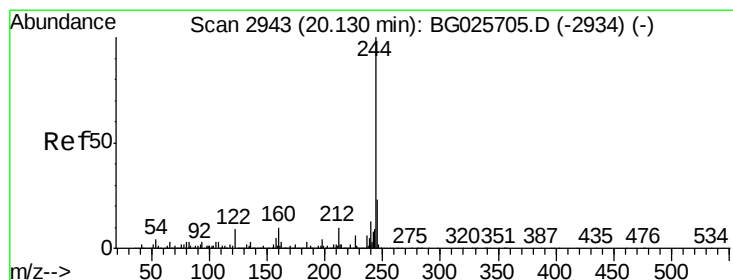
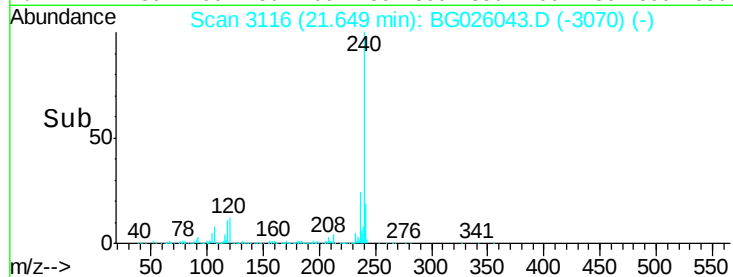
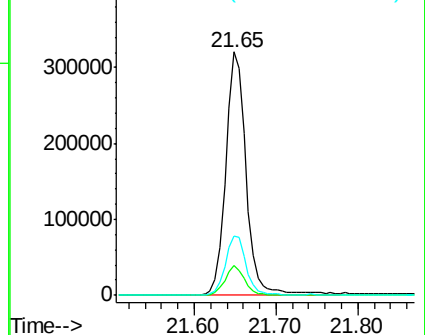
236 24.5 22.2 33.4



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: 101.26 ng

RT: 20.00 min Scan# 2835

Delta R.T. -0.02 min

Lab File: BG026043.D

Acq: 2 Mar 2017 23:54

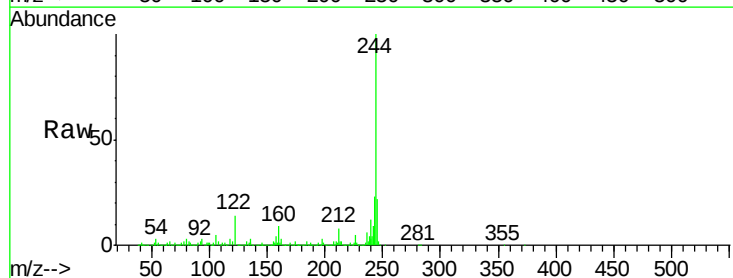
Tgt Ion:244 Resp: 2317678

Ion Ratio Lower Upper

244 100

212 8.3 10.0 15.0#

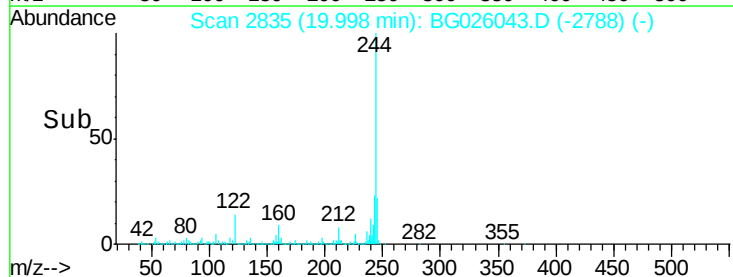
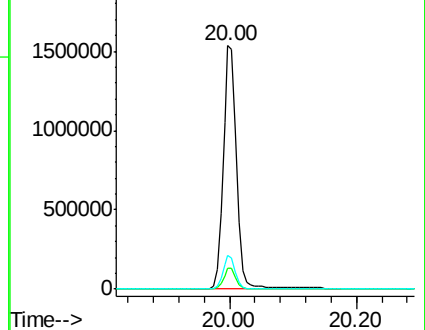
122 14.0 8.6 12.8#

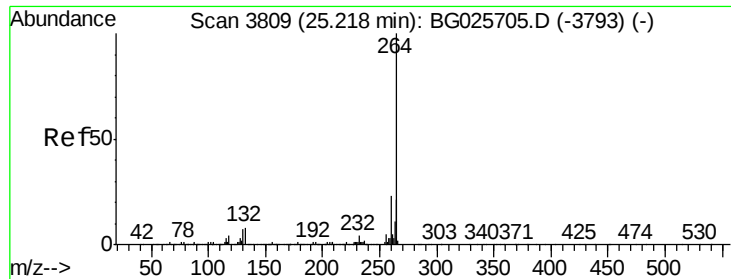


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.84 min Scan# 3660  
Delta R.T. -0.04 min  
Lab File: BG026043.D  
Acq: 2 Mar 2017 23:54

Instrument :  
BNA\_G  
ClientSampleId :  
8B-21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 21.8  | 32.8  |
| 265     | 21.9  | 18.2  | 27.4  |

