

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG061616\  
 Data File : BG022384.D  
 Acq On : 17 Jun 2016 2:59  
 Operator : UM/SJ  
 Sample : H3567-12  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-03-COMP

Quant Time: Jun 17 03:52:08 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG060616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 13 17:40:23 2016  
 Response via : Initial Calibration

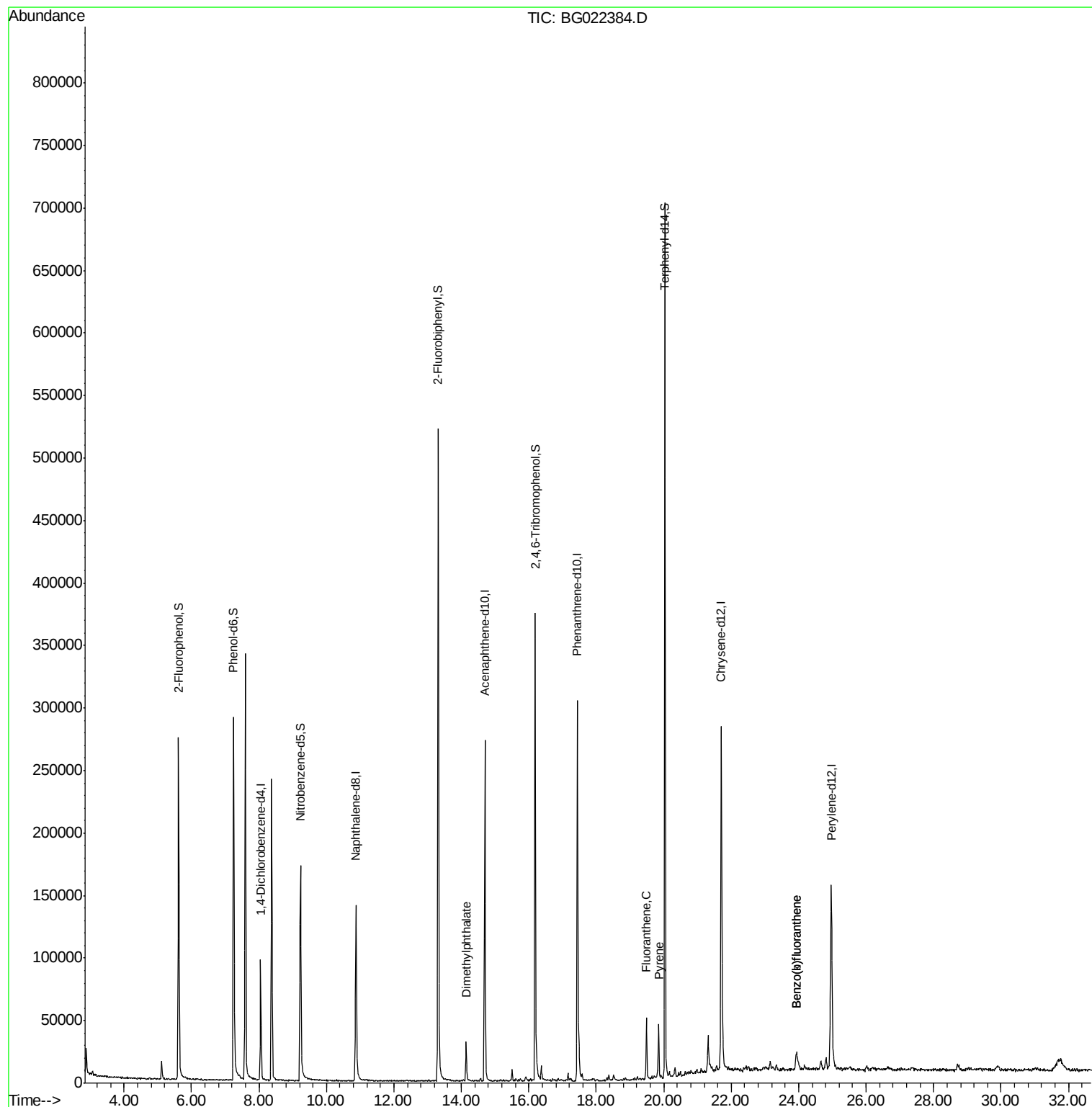
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.05  | 152  | 34823    | 20.00  | ng    | -0.04    |
| 21) Naphthalene-d8          | 10.88 | 136  | 177297   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10        | 14.69 | 164  | 110121   | 20.00  | ng    | -0.03    |
| 63) Phenanthrene-d10        | 17.44 | 188  | 228574   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12            | 21.70 | 240  | 187816   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 24.97 | 264  | 171779   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.62  | 112  | 189461   | 105.19 | ng    | -0.02    |
| 7) Phenol-d6                | 7.25  | 99   | 286712   | 101.25 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.23  | 82   | 154914   | 60.92  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 16.19 | 330  | 86004    | 69.12  | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 13.31 | 172  | 339412   | 46.97  | ng    | -0.03    |
| 78) Terphenyl-d14           | 20.04 | 244  | 342339   | 43.27  | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 14.14 | 163  | 33258    | 3.64   | ng    | 98       |
| 74) Fluoranthene            | 19.48 | 202  | 39859    | 2.79   | ng    | 94       |
| 77) Pyrene                  | 19.85 | 202  | 30308    | 2.60   | ng    | 98       |
| 87) Benzo(b)fluoranthene    | 23.93 | 252  | 22870    | 2.28   | ng    | # 93     |
| 88) Benzo(k)fluoranthene    | 23.93 | 252  | 22870    | 2.32   | ng    | # 92     |

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

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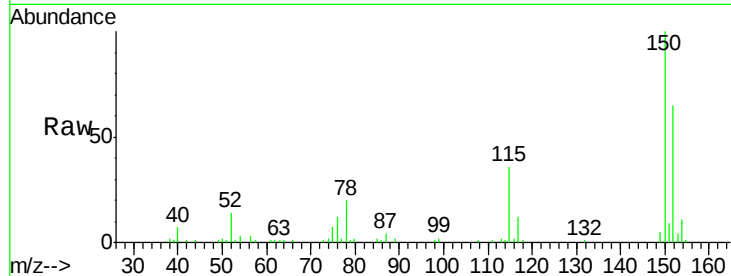


#1

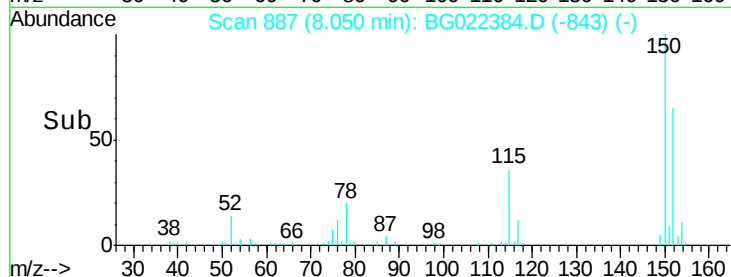
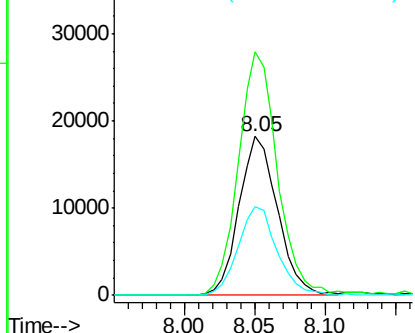
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.05 min Scan# 887  
Delta R.T. -0.04 min  
Lab File: BG022384.D  
Acq: 17 Jun 2016 2:59

Instrument :  
BNA\_G  
ClientSampleId :  
SB-03-COMP

Tgt Ion:152 Resp: 34823  
Ion Ratio Lower Upper  
152 100  
150 153.2 130.1 195.1  
115 55.8 62.2 93.2#



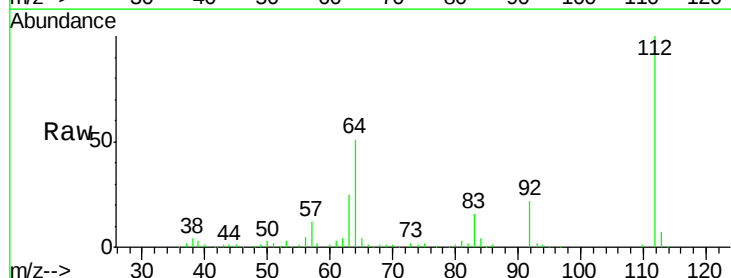
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



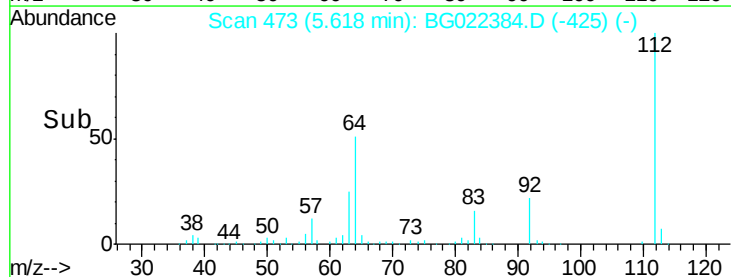
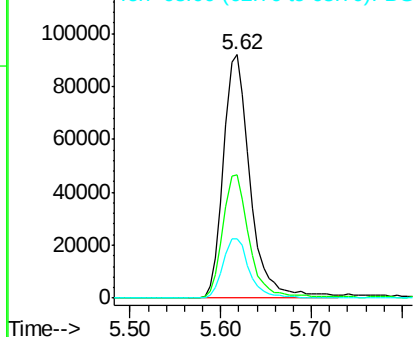
#5

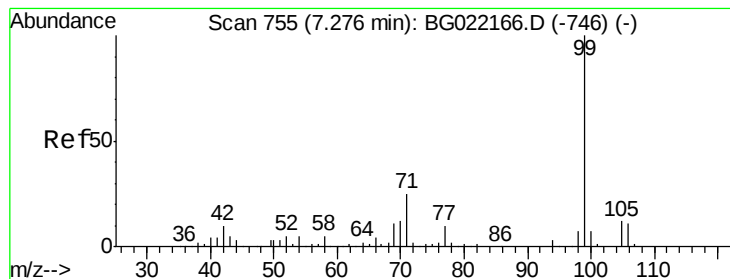
2-Fluorophenol  
Concen: 105.19 ng  
RT: 5.62 min Scan# 473  
Delta R.T. -0.02 min  
Lab File: BG022384.D  
Acq: 17 Jun 2016 2:59

Tgt Ion:112 Resp: 189461  
Ion Ratio Lower Upper  
112 100  
64 50.7 51.1 76.7#  
63 24.6 24.6 37.0#



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: 101.25 ng

RT: 7.25 min Scan# 750

Delta R.T. -0.01 min

Lab File: BG022384.D

Acq: 17 Jun 2016 2:59

Instrument :

BNA\_G

ClientSampleId :

SB-03-COMP

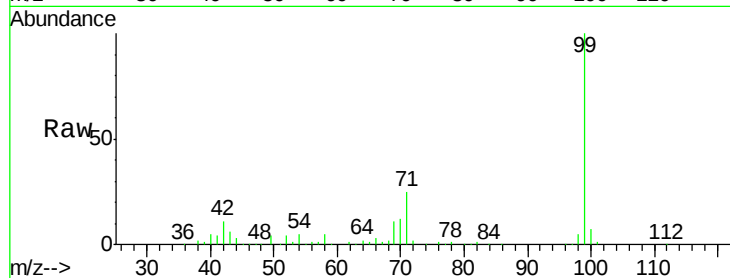
Tgt Ion: 99 Resp: 286712

Ion Ratio Lower Upper

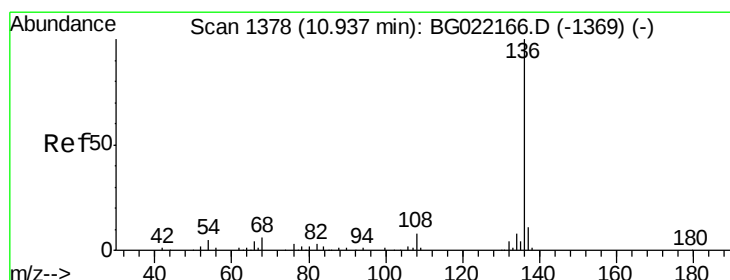
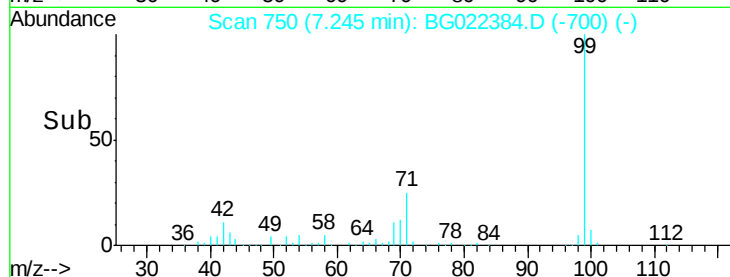
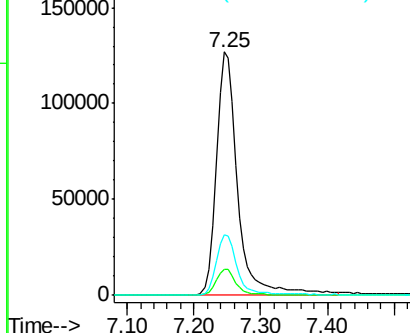
99 100

42 10.6 16.4 24.6#

71 25.1 25.0 37.4



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: 10.88 min Scan# 1368

Delta R.T. -0.03 min

Lab File: BG022384.D

Acq: 17 Jun 2016 2:59

Tgt Ion: 136 Resp: 177297

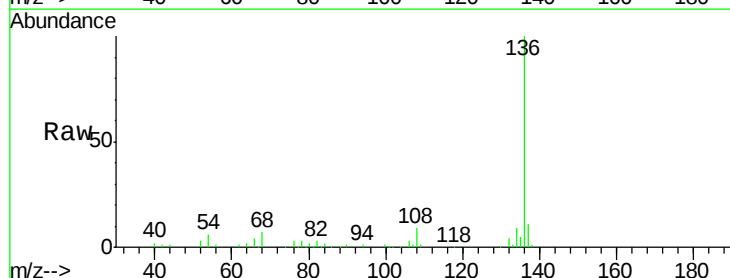
Ion Ratio Lower Upper

136 100

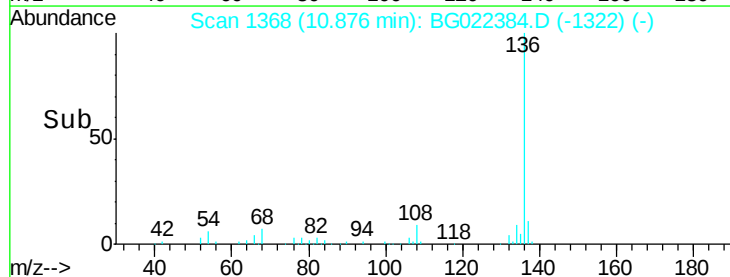
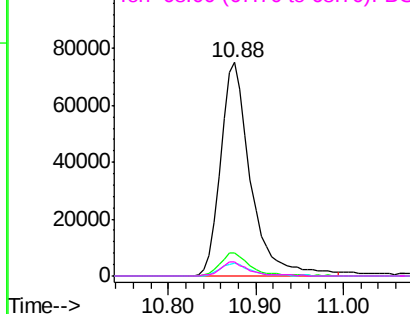
137 11.0 9.0 13.4

54 5.9 9.6 14.4#

68 6.7 6.4 9.6



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

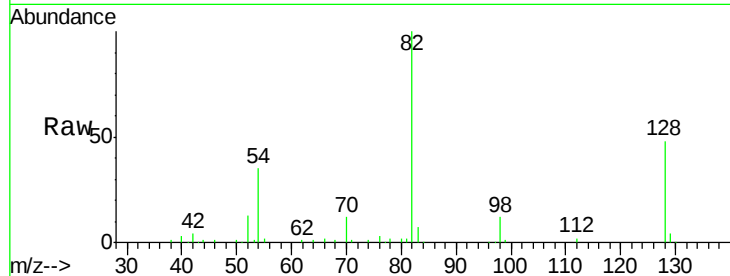




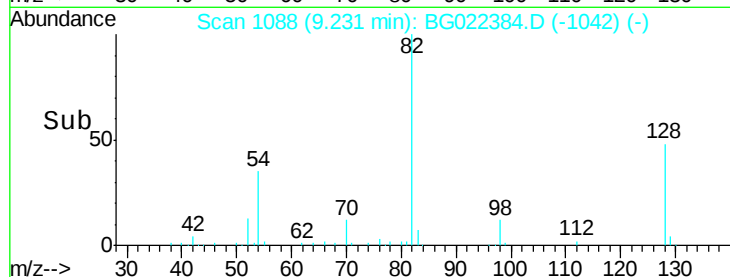
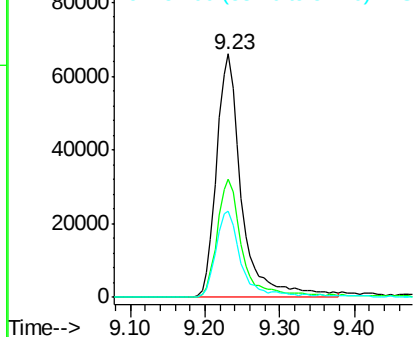
#23  
Nitrobenzene-d5  
Concen: 60.92 ng  
RT: 9.23 min Scan# 1088  
Delta R.T. -0.03 min  
Lab File: BG022384.D  
Acq: 17 Jun 2016 2:59

Instrument :  
BNA\_G  
ClientSampleId :  
SB-03-COMP

Tgt Ion: 82 Resp: 154914  
Ion Ratio Lower Upper  
82 100  
128 48.4 33.4 50.0  
54 35.5 46.1 69.1#

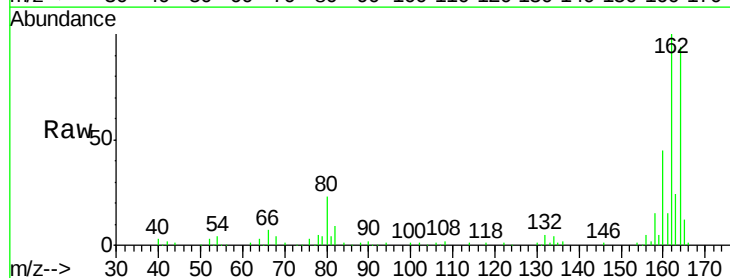


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

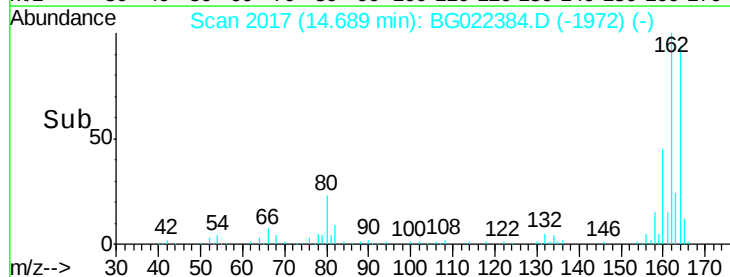
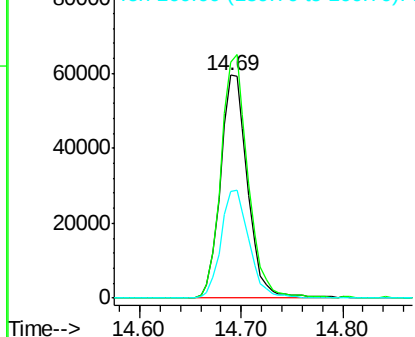


#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.69 min Scan# 2017  
Delta R.T. -0.03 min  
Lab File: BG022384.D  
Acq: 17 Jun 2016 2:59

Tgt Ion: 164 Resp: 110121  
Ion Ratio Lower Upper  
164 100  
162 105.9 78.0 117.0  
160 48.2 32.9 49.3



Abundance Ion 164.00 (163.70 to 164.70): BGC  
Ion 162.00 (161.70 to 162.70): BGC  
Ion 160.00 (159.70 to 160.70): BGC





#41

2,4,6-Tribromophenol

Concen: 69.12 ng

RT: 16.19 min Scan# 2272

Delta R.T. -0.03 min

Lab File: BG022384.D

Acq: 17 Jun 2016 2:59

Instrument :

BNA\_G

ClientSampleId :

SB-03-COMP

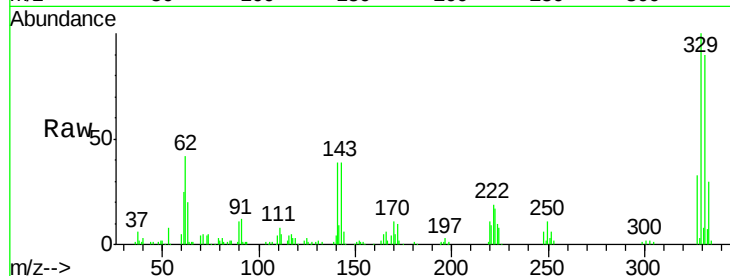
Tgt Ion:330 Resp: 86004

Ion Ratio Lower Upper

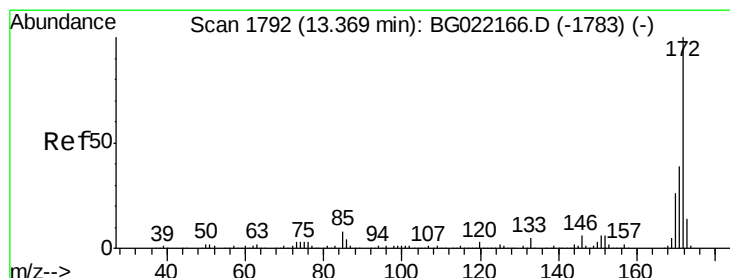
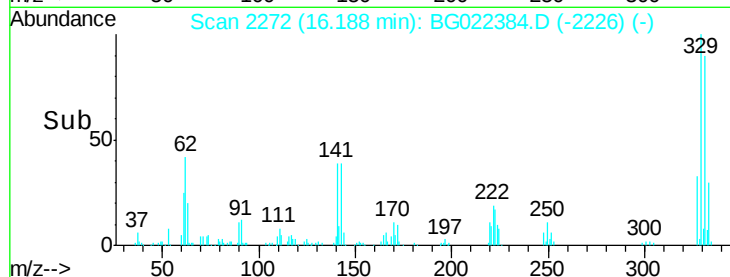
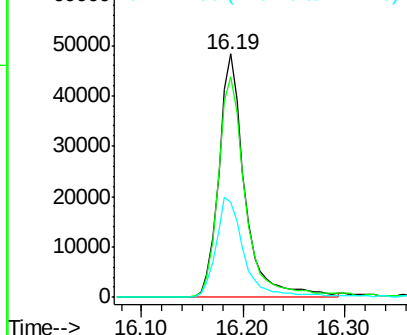
330 100

332 96.1 78.0 117.0

141 44.9 33.8 50.8



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: 46.97 ng

RT: 13.31 min Scan# 1783

Delta R.T. -0.03 min

Lab File: BG022384.D

Acq: 17 Jun 2016 2:59

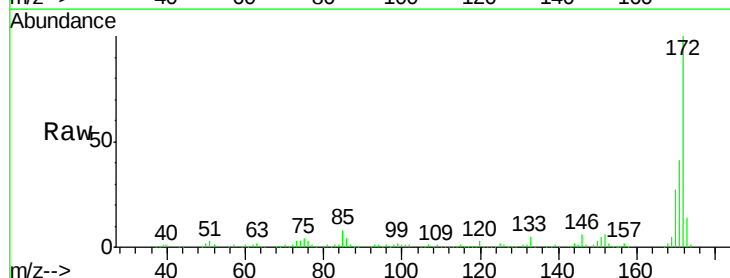
Tgt Ion:172 Resp: 339412

Ion Ratio Lower Upper

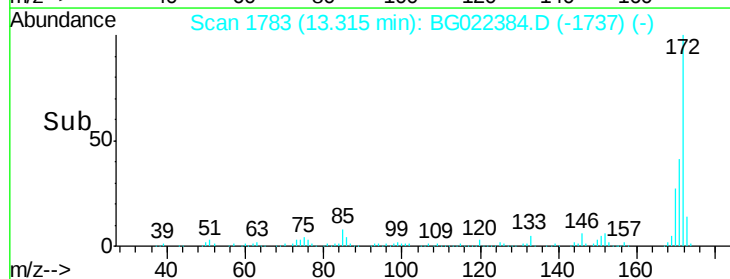
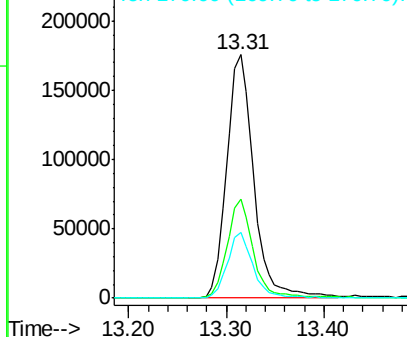
172 100

171 40.7 27.8 41.6

170 26.8 19.6 29.4



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





#49

Dimethylphthalate

Concen: 3.64 ng

RT: 14.14 min Scan# 1924

Delta R.T. -0.03 min

Lab File: BG022384.D

Acq: 17 Jun 2016 2:59

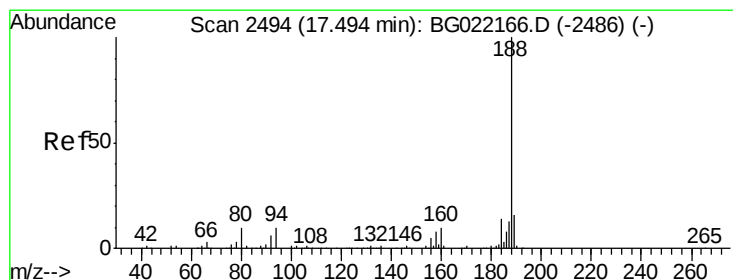
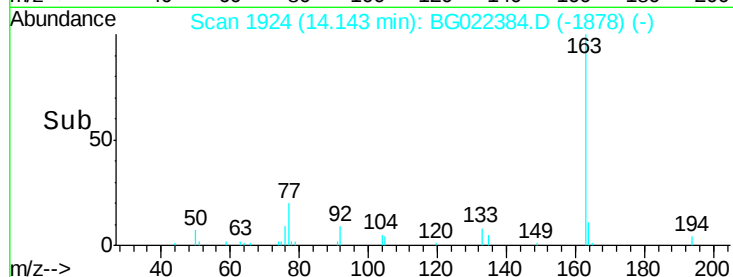
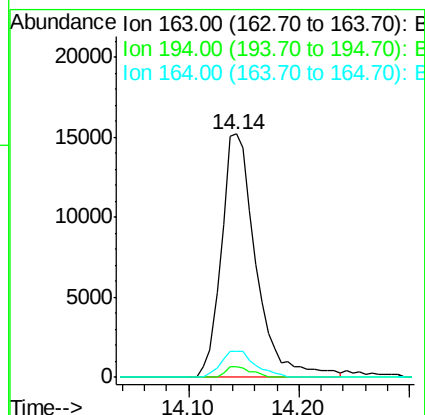
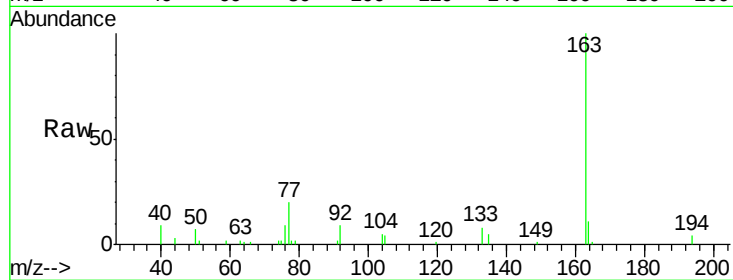
Instrument :

BNA\_G

ClientSampleId :

SB-03-COMP

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 163   | Resp: | 33258 |
| Ion Ratio | Lower | Upper |       |
| 163       | 100   |       |       |
| 194       | 4.5   | 3.0   | 4.6   |
| 164       | 10.9  | 8.1   | 12.1  |



#63

Phenanthrene-d10

Concen: 20.00 ng

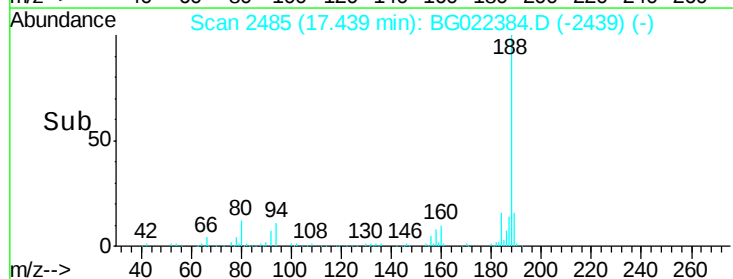
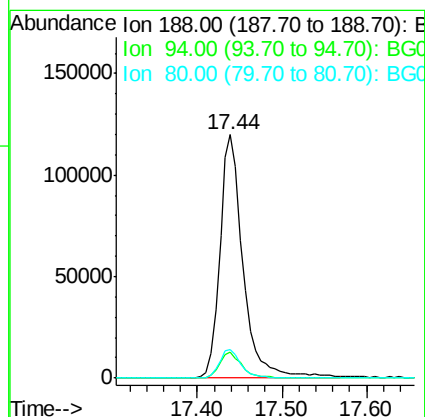
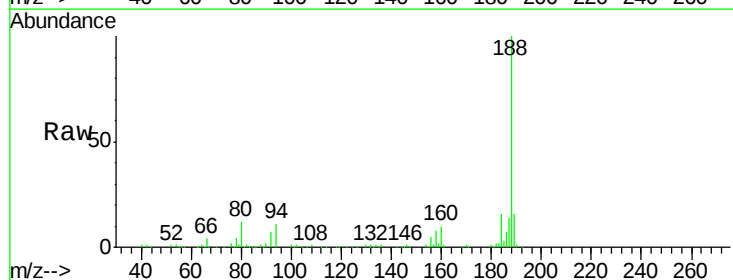
RT: 17.44 min Scan# 2485

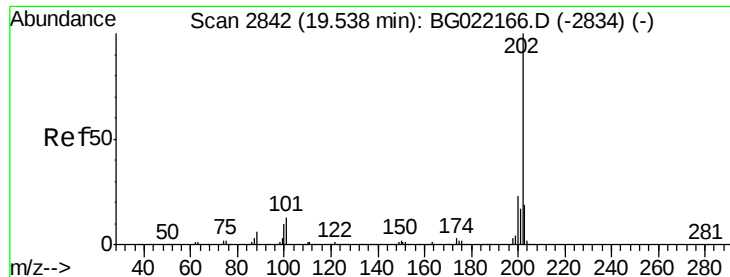
Delta R.T. -0.03 min

Lab File: BG022384.D

Acq: 17 Jun 2016 2:59

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 188   | Resp: | 228574 |
| Ion Ratio | Lower | Upper |        |
| 188       | 100   |       |        |
| 94        | 10.5  | 7.5   | 11.3   |
| 80        | 11.7  | 8.6   | 13.0   |





#74

Fluoranthene

Concen: 2.79 ng

RT: 19.48 min Scan# 2833

Delta R.T. -0.03 min

Lab File: BG022384.D

Acq: 17 Jun 2016 2:59

Instrument :

BNA\_G

ClientSampleId :

SB-03-COMP

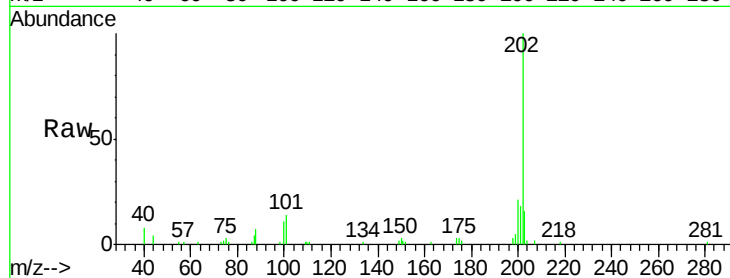
Tgt Ion:202 Resp: 39859

Ion Ratio Lower Upper

202 100

101 14.4 0.0 31.0

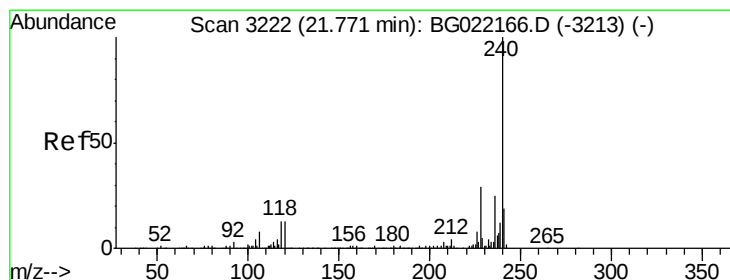
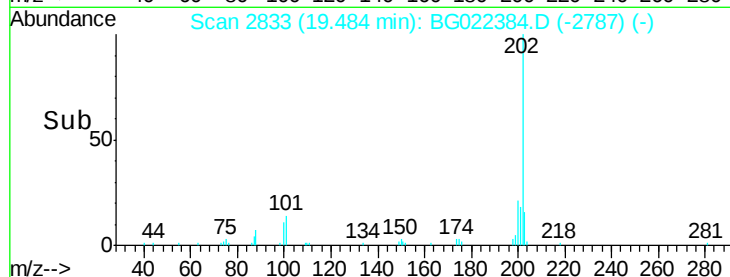
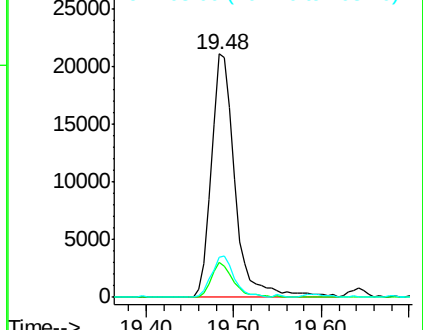
203 16.2 0.0 37.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.70 min Scan# 3211

Delta R.T. -0.03 min

Lab File: BG022384.D

Acq: 17 Jun 2016 2:59

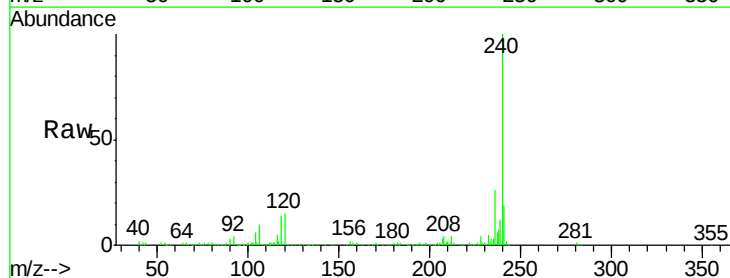
Tgt Ion:240 Resp: 187816

Ion Ratio Lower Upper

240 100

120 14.8 8.4 12.6#

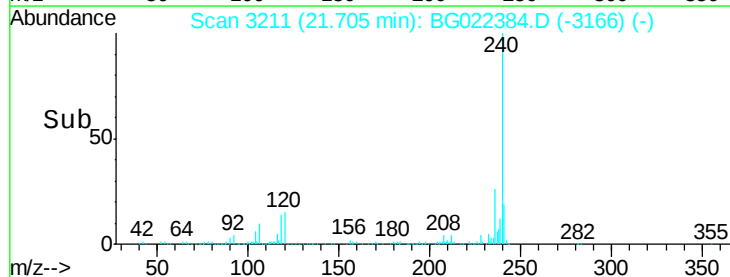
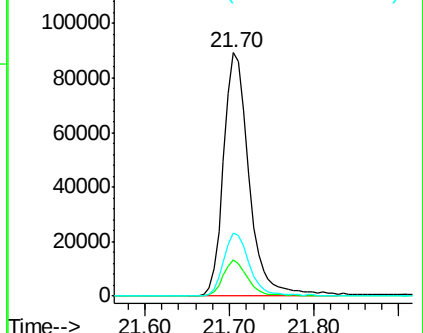
236 25.9 19.6 29.4

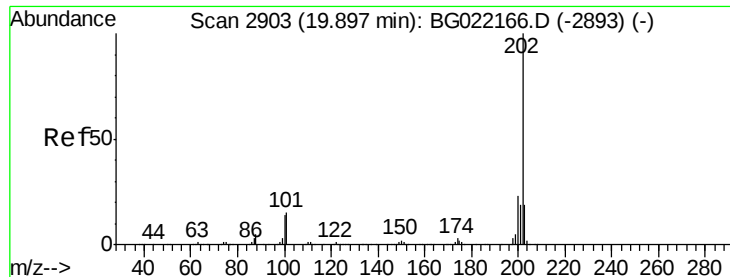


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

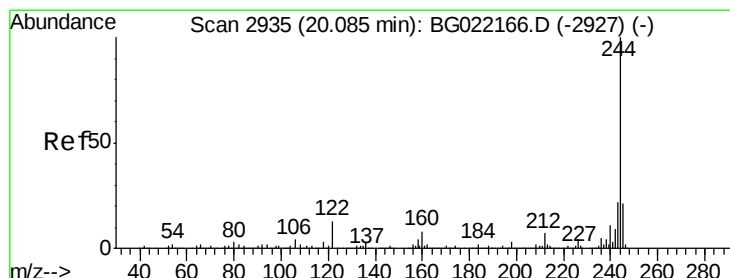
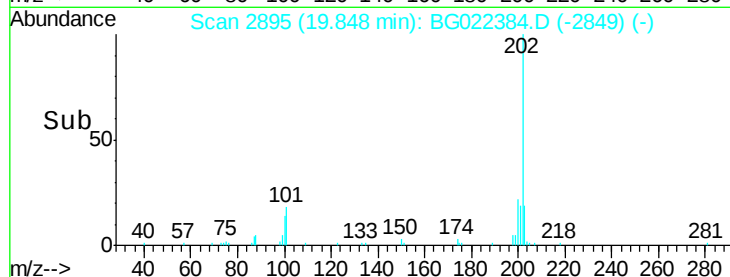
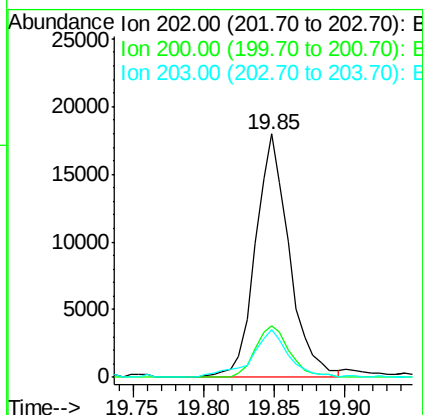
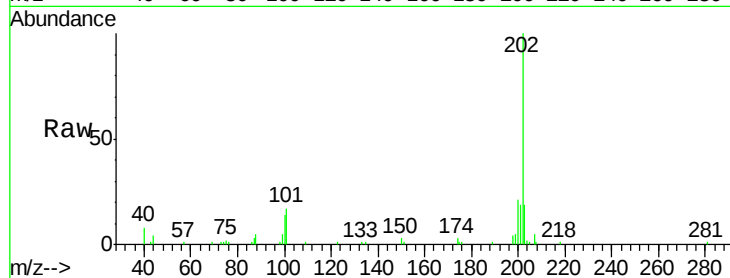




#77  
 Pyrene  
 Concen: 2.60 ng  
 RT: 19.85 min Scan# 2895  
 Delta R.T. -0.03 min  
 Lab File: BG022384.D  
 Acq: 17 Jun 2016 2:59

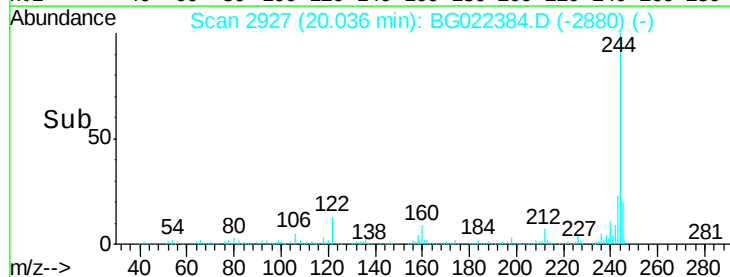
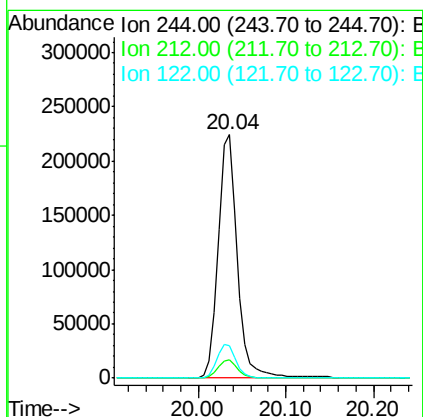
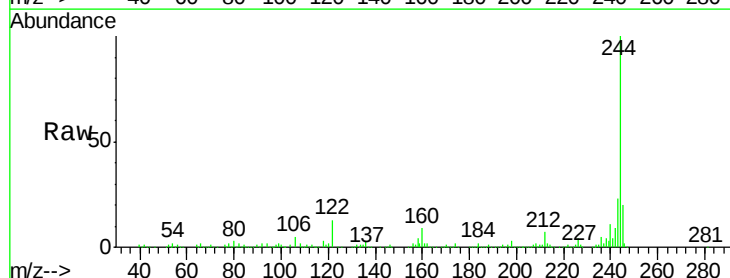
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-03-COMP

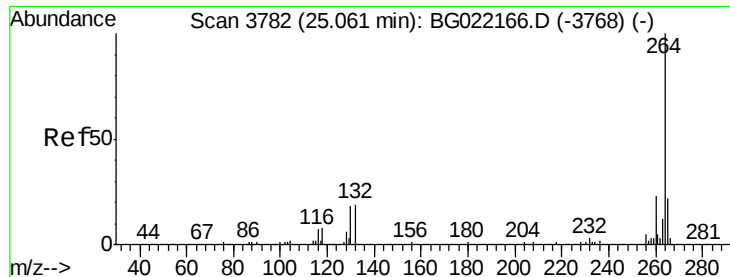
Tgt Ion: 202 Resp: 30308  
 Ion Ratio Lower Upper  
 202 100  
 200 21.4 18.2 27.2  
 203 19.4 15.0 22.4



#78  
 Terphenyl-d14  
 Concen: 43.27 ng  
 RT: 20.04 min Scan# 2927  
 Delta R.T. -0.02 min  
 Lab File: BG022384.D  
 Acq: 17 Jun 2016 2:59

Tgt Ion: 244 Resp: 342339  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 6.5 9.7  
 122 13.3 8.6 12.8#

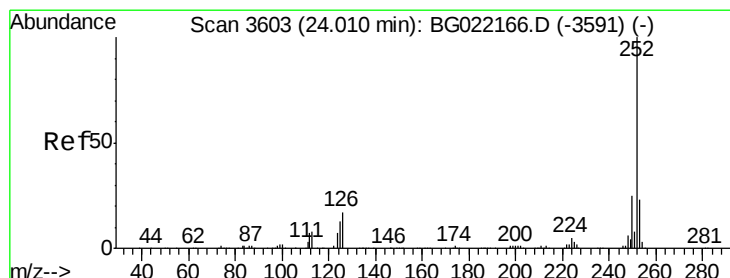
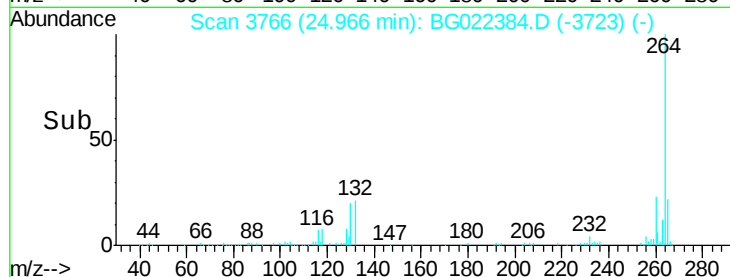
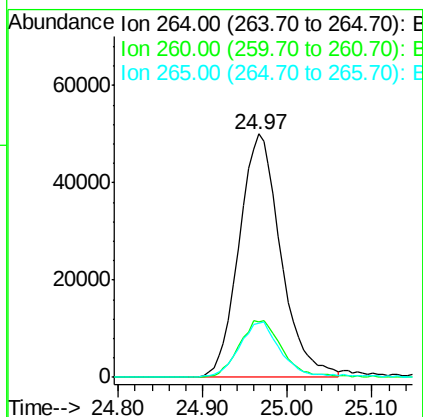
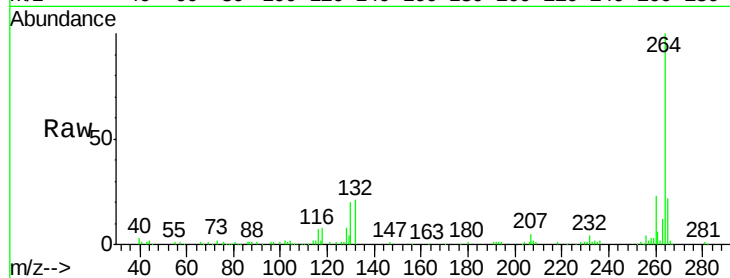




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 24.97 min Scan# 3766  
Delta R.T. -0.05 min  
Lab File: BG022384.D  
Acq: 17 Jun 2016 2:59

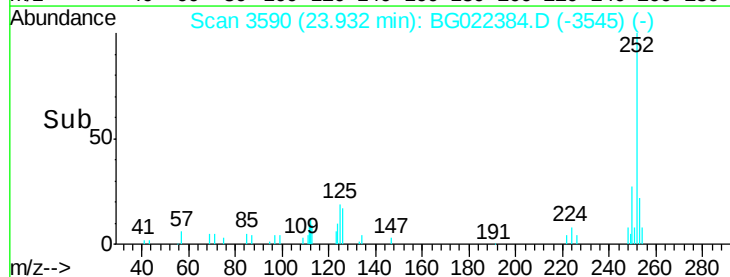
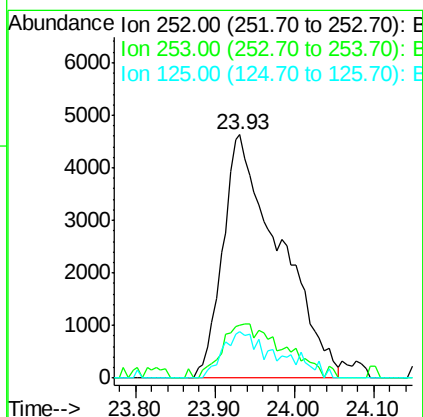
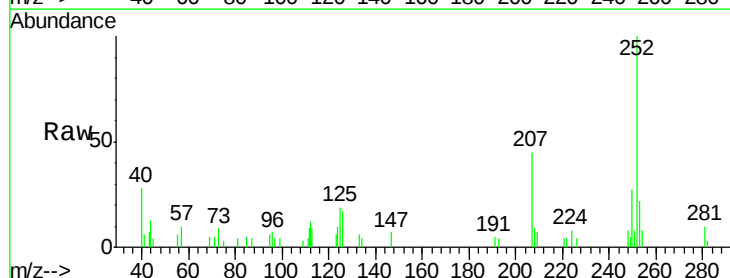
Instrument :  
BNA\_G  
ClientSampleId :  
SB-03-COMP

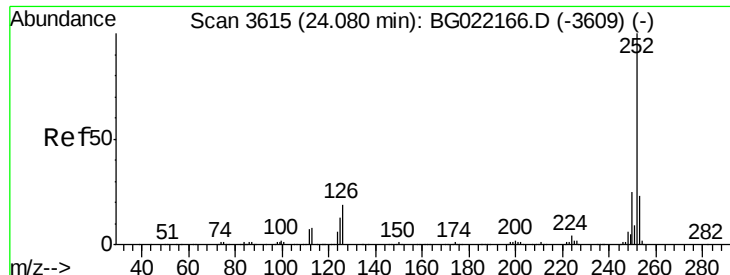
Tgt Ion:264 Resp: 171779  
Ion Ratio Lower Upper  
264 100  
260 22.9 20.2 30.4  
265 22.0 17.8 26.8



#87  
Benzo(b)fluoranthene  
Concen: 2.28 ng  
RT: 23.93 min Scan# 3590  
Delta R.T. -0.03 min  
Lab File: BG022384.D  
Acq: 17 Jun 2016 2:59

Tgt Ion:252 Resp: 22870  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.5 26.3  
125 19.1 8.6 13.0#





#88

Benzo(k)fluoranthene

Concen: 2.32 ng

RT: 23.93 min Scan# 3590

Delta R.T. -0.11 min

Lab File: BG022384.D

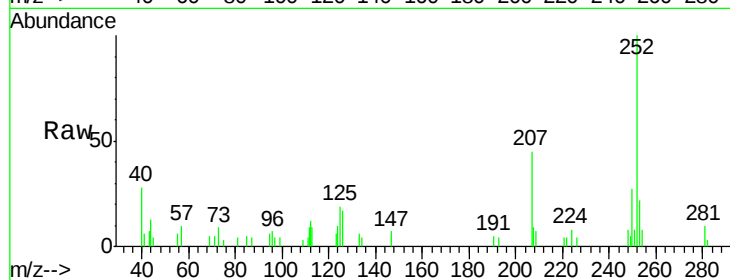
Acq: 17 Jun 2016 2:59

Instrument :

BNA\_G

ClientSampleId :

SB-03-COMP



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 252   | Resp: | 22870 |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 253      | 21.9  | 17.8  | 26.8  |
| 125      | 19.1  | 8.3   | 12.5# |

