

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060816\  
 Data File : BG022237.D  
 Acq On : 8 Jun 2016 16:08  
 Operator : UM/SJ  
 Sample : H3402-17  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-19

Quant Time: Jun 09 06:41:27 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG060616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 06 16:12:45 2016  
 Response via : Initial Calibration

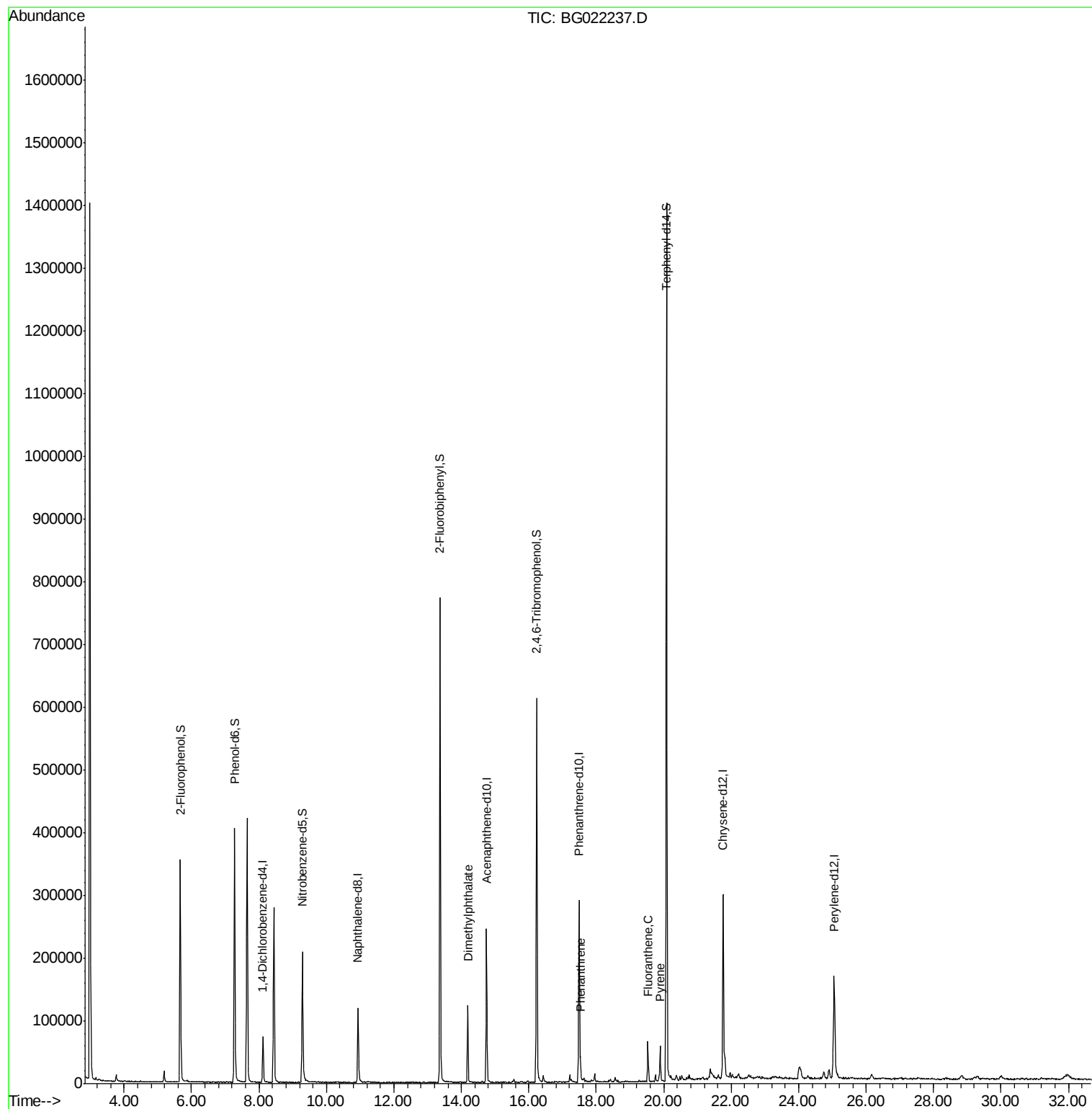
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.12  | 152  | 28034    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.93 | 136  | 141597   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.75 | 164  | 94443    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.49 | 188  | 211087   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.76 | 240  | 198417   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.05 | 264  | 188865   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.66  | 112  | 235465   | 162.40 | ng    | 0.00     |
| 7) Phenol-d6                | 7.27  | 99   | 362590   | 159.05 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.29  | 82   | 182664   | 89.94  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.23 | 330  | 139685   | 130.89 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.37 | 172  | 471858   | 76.14  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.08 | 244  | 659960   | 78.97  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 49) Dimethylphthalate       | 14.19 | 163  | 106912   | 13.65  | ng    | 99       |
| 70) Phenanthrene            | 17.53 | 178  | 23639    | 2.06   | ng    | 98       |
| 74) Fluoranthene            | 19.53 | 202  | 49266    | 3.74   | ng    | 98       |
| 77) Pyrene                  | 19.89 | 202  | 42972    | 3.48   | ng    | 95       |

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.12 min Scan# 899

Delta R.T. -0.00 min

Lab File: BG022237.D

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Instrument :

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ClientSampleId :

SB-19

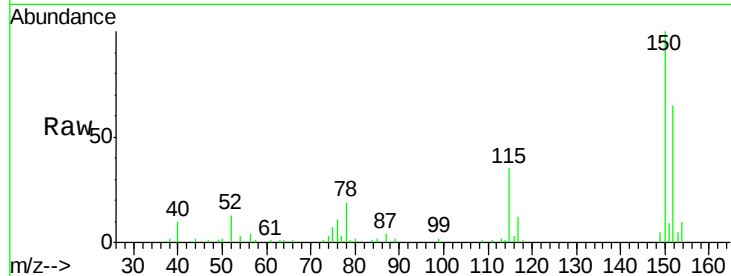
Tot Ion:152 Resp: 28034

Ion Ratio Lower Upper

152 100

150 153.9 130.1 195.1

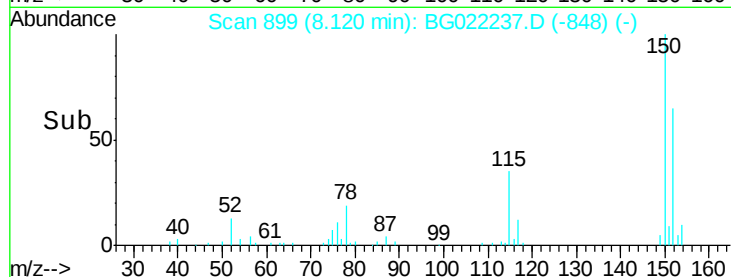
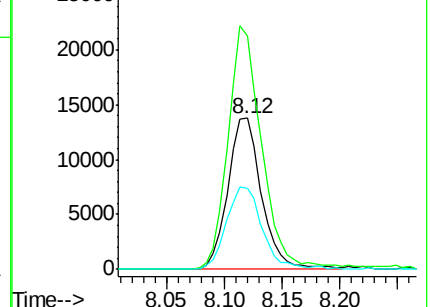
115 53.3 62.2 93.2#



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: 162.40 ng

RT: 5.66 min Scan# 481

Delta R.T. -0.00 min

Lab File: BG022237.D

Acq: 8 Jun 2016 16:08

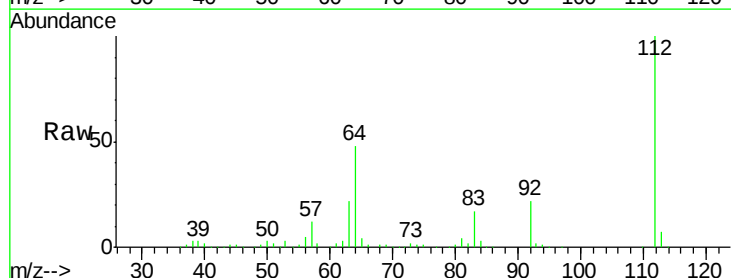
Tgt Ion:112 Resp: 235465

Ion Ratio Lower Upper

112 100

64 47.7 51.1 76.7#

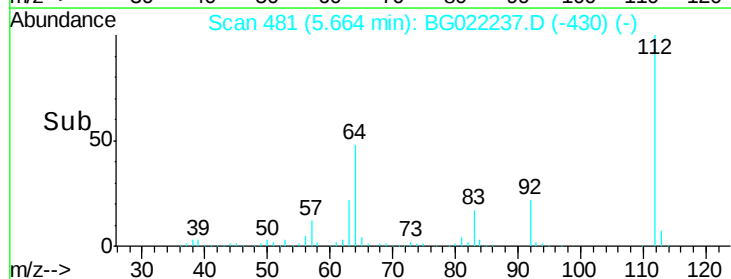
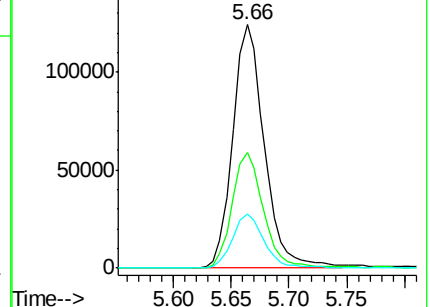
63 22.4 24.6 37.0#

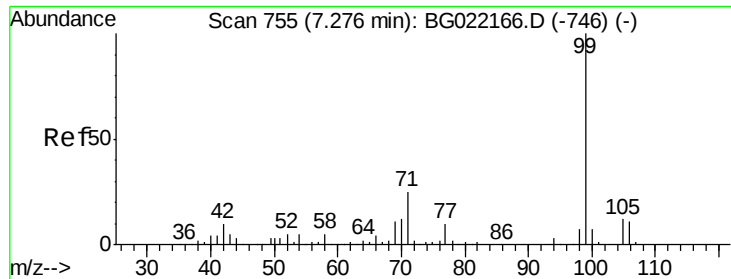


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 159.05 ng

RT: 7.27 min Scan# 755

Delta R.T. -0.00 min

Lab File: BG022237.D

Acq: 8 Jun 2016 16:08

Instrument :

BNA\_G

ClientSampleId :

SB-19

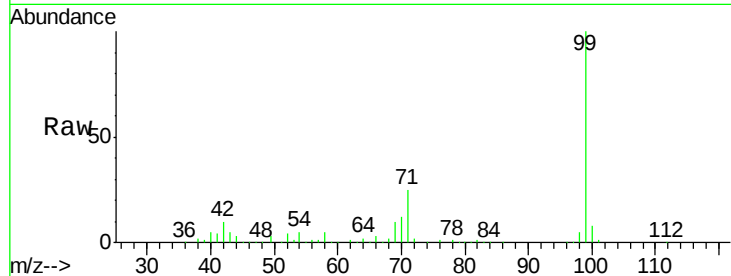
Tot Ion: 99 Resp: 362590

Ion Ratio Lower Upper

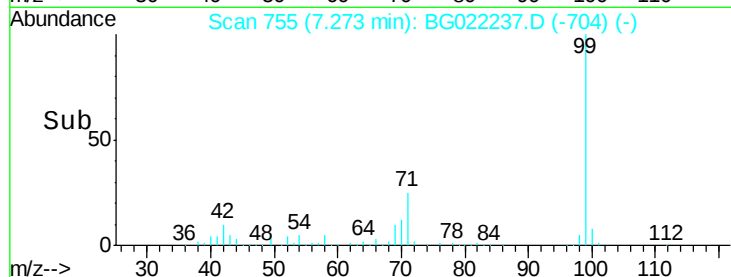
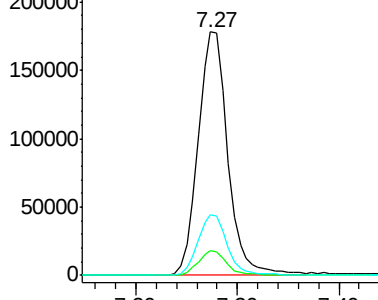
99 100

42 10.0 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: 10.93 min Scan# 1378

Delta R.T. -0.00 min

Lab File: BG022237.D

Acq: 8 Jun 2016 16:08

Tgt Ion: 136 Resp: 141597

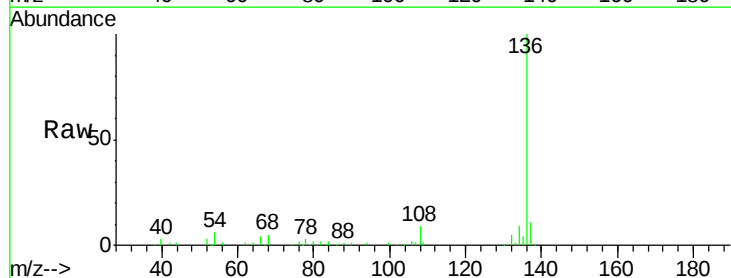
Ion Ratio Lower Upper

136 100

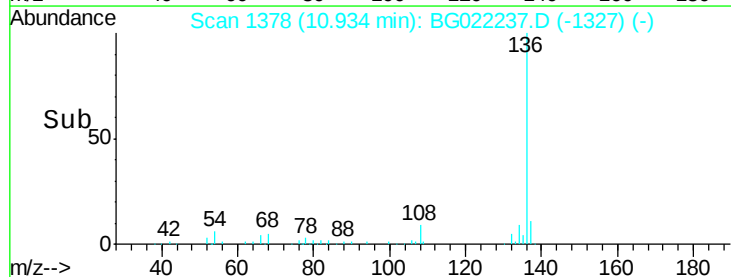
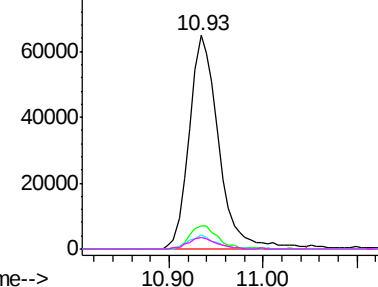
137 11.0 9.0 13.4

54 6.3 9.6 14.4#

68 5.4 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

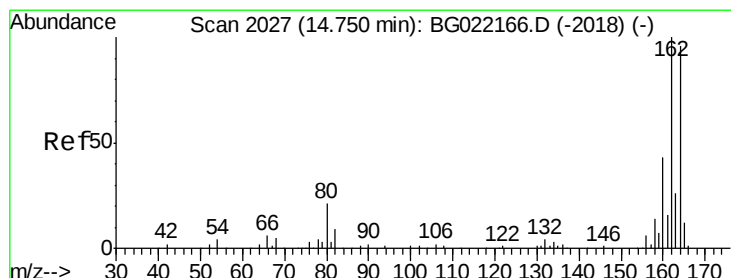
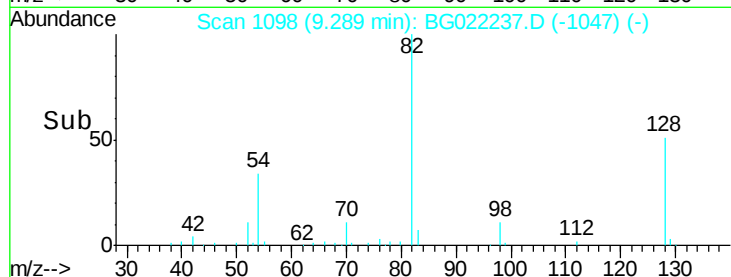
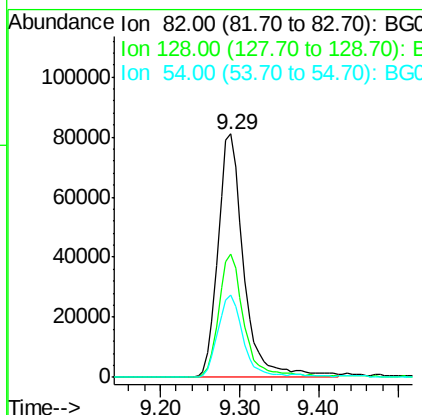
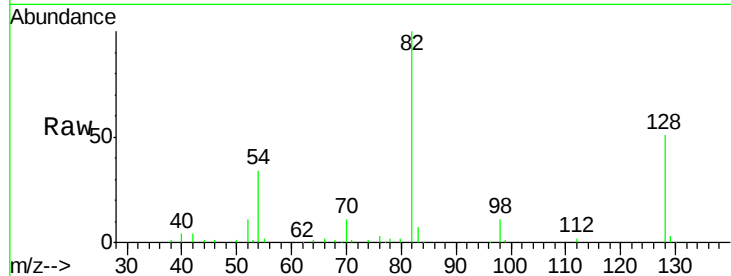




#23  
 Nitrobenzene-d5  
 Concen: 89.94 ng  
 RT: 9.29 min Scan# 1098  
 Delta R.T. -0.00 min  
 Lab File: BG022237.D  
 Acq: 8 Jun 2016 16:08

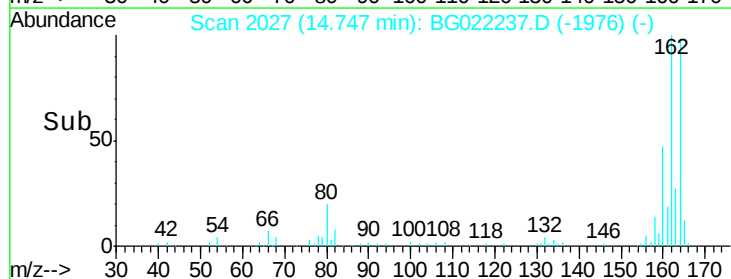
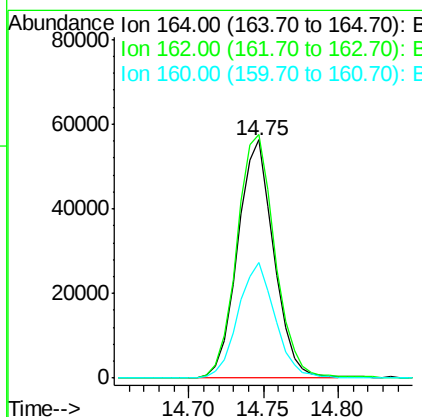
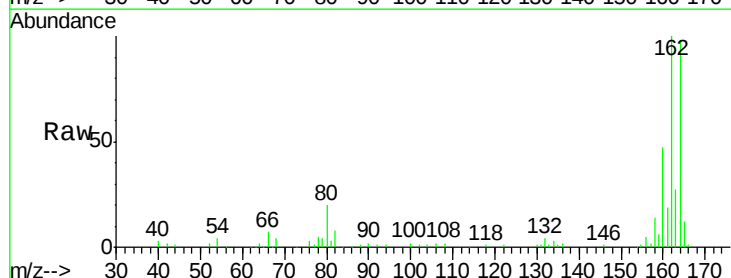
Instrument :  
 BNA\_G  
 ClientSampleID :  
 SB-19

Tot Ion: 82 Resp: 182664  
 Ion Ratio Lower Upper  
 82 100  
 128 50.8 33.4 50.0#  
 54 34.0 46.1 69.1#



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.75 min Scan# 2027  
 Delta R.T. -0.00 min  
 Lab File: BG022237.D  
 Acq: 8 Jun 2016 16:08

Tgt Ion:164 Resp: 94443  
 Ion Ratio Lower Upper  
 164 100  
 162 102.3 78.0 117.0  
 160 48.5 32.9 49.3





#41

2,4,6-Tribromophenol

Concen: 130.89 ng

RT: 16.23 min Scan# 2280

Delta R.T. -0.00 min

Lab File: BG022237.D

Acq: 8 Jun 2016 16:08

Instrument :

BNA\_G

ClientSampled :

SB-19

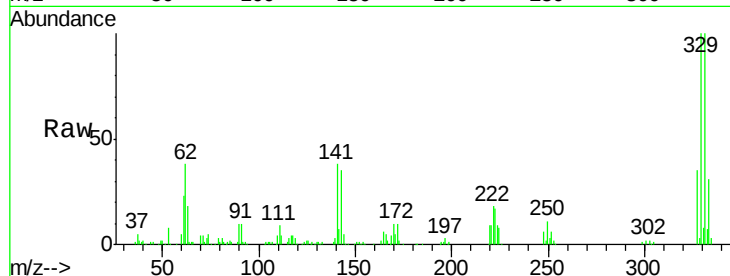
Tot Ion:330 Resp: 139685

Ion Ratio Lower Upper

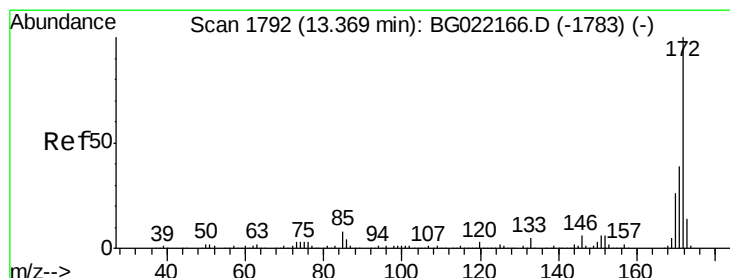
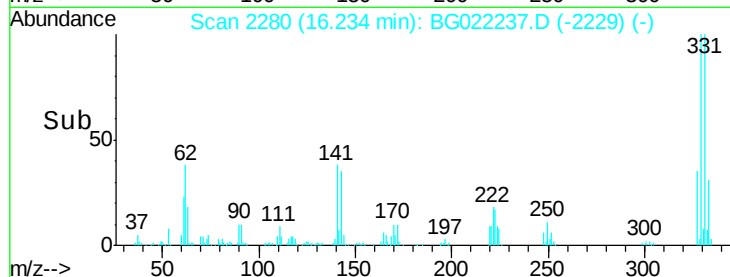
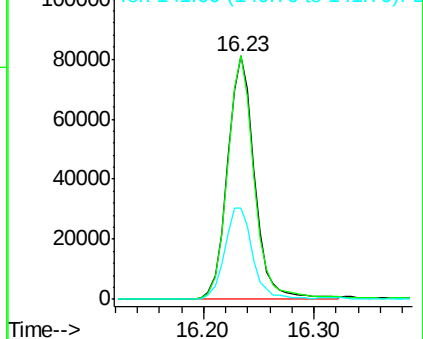
330 100

332 99.1 78.0 117.0

141 39.4 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: 76.14 ng

RT: 13.37 min Scan# 1792

Delta R.T. -0.00 min

Lab File: BG022237.D

Acq: 8 Jun 2016 16:08

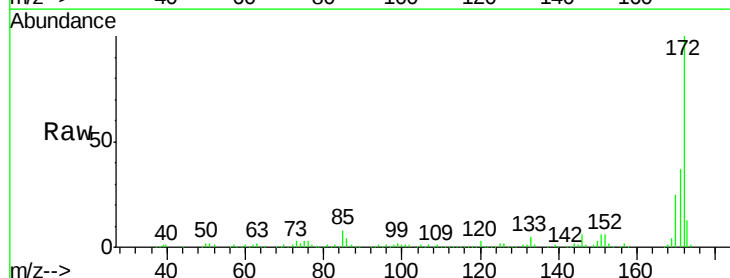
Tgt Ion:172 Resp: 471858

Ion Ratio Lower Upper

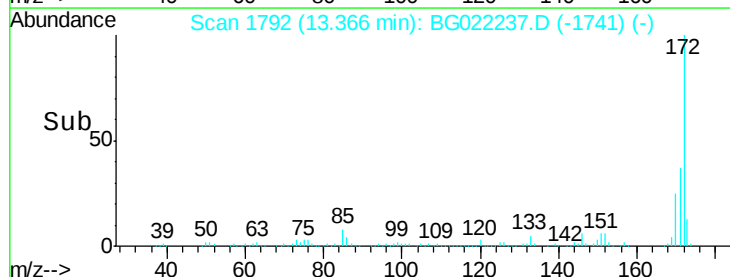
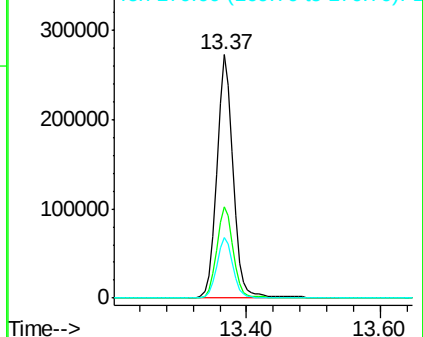
172 100

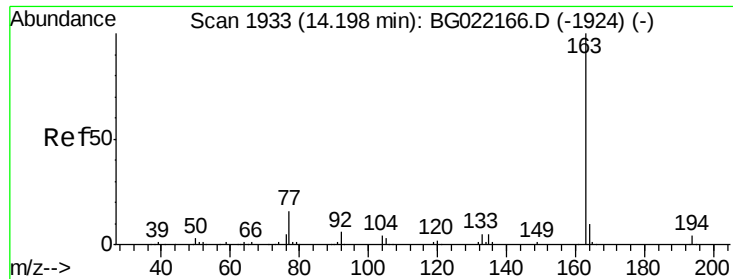
171 37.3 27.8 41.6

170 25.0 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: 13.65 ng

RT: 14.19 min Scan# 1932

Delta R.T. -0.01 min

Lab File: BG022237.D

Acq: 8 Jun 2016 16:08

Instrument :

BNA\_G

ClientSampleId :

SB-19

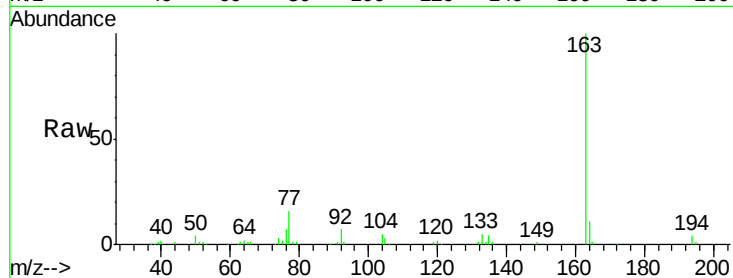
Tot Ion:163 Resp: 106912

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.6

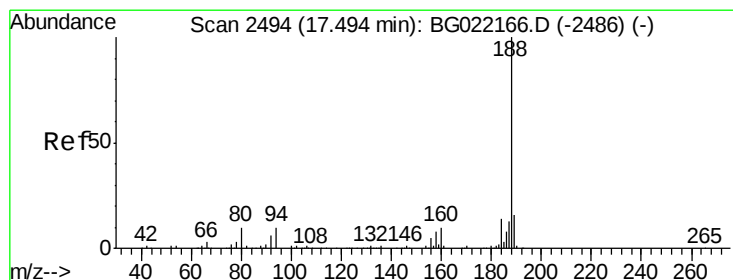
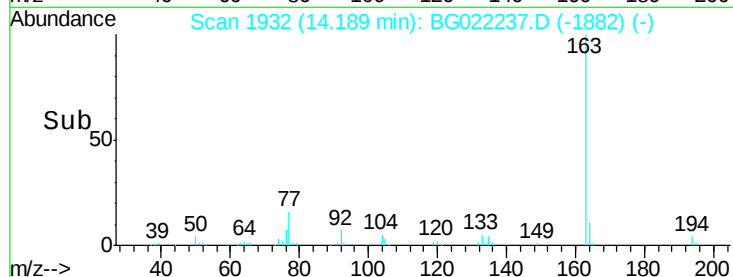
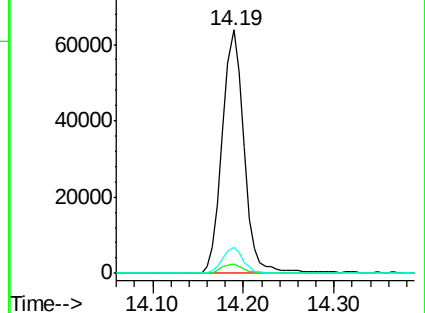
164 10.7 8.1 12.1



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: 17.49 min Scan# 2494

Delta R.T. -0.00 min

Lab File: BG022237.D

Acq: 8 Jun 2016 16:08

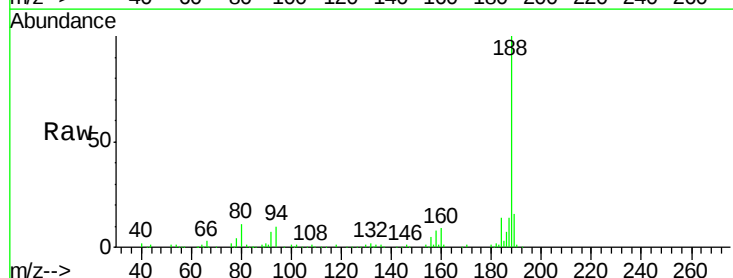
Tgt Ion:188 Resp: 211087

Ion Ratio Lower Upper

188 100

94 10.0 7.5 11.3

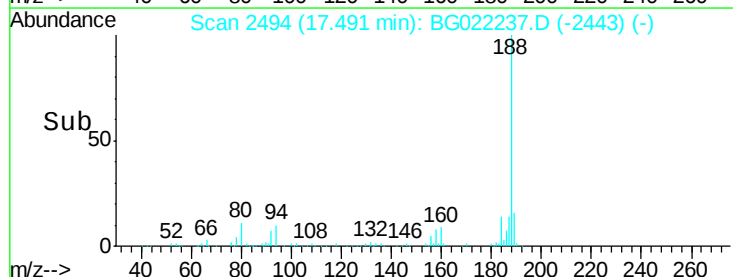
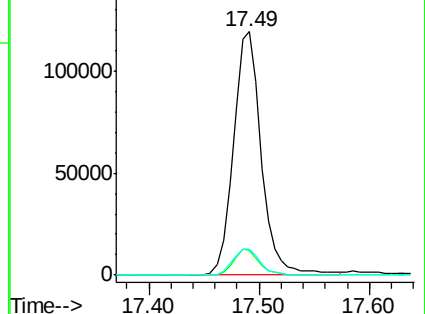
80 10.5 8.6 13.0

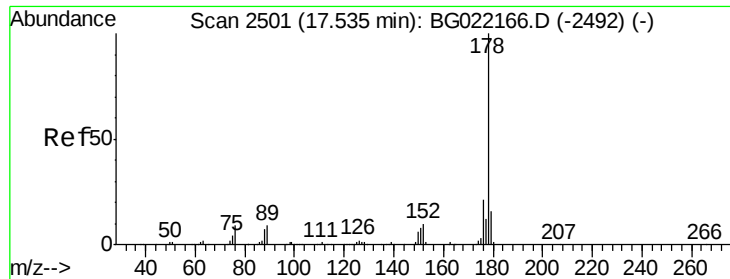


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#70

Phenanthrene

Concen: 2.06 ng

RT: 17.53 min Scan# 2501

Delta R.T. -0.00 min

Lab File: BG022237.D

Acq: 8 Jun 2016 16:08

Instrument :

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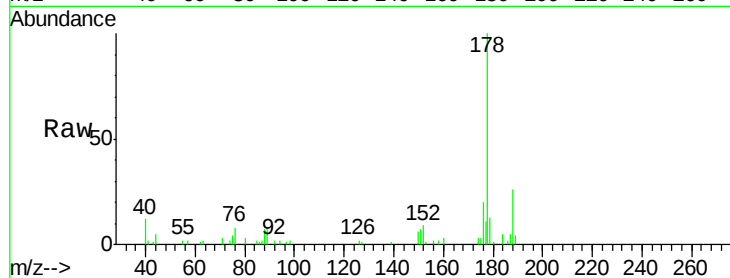
Tot Ion:178 Resp: 23639

Ion Ratio Lower Upper

178 100

176 20.2 16.2 24.4

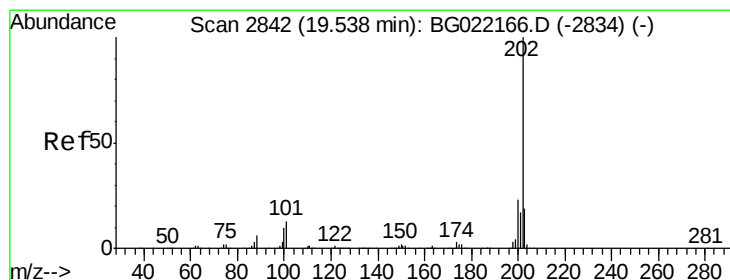
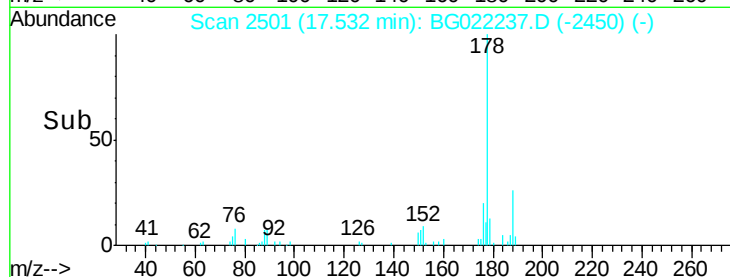
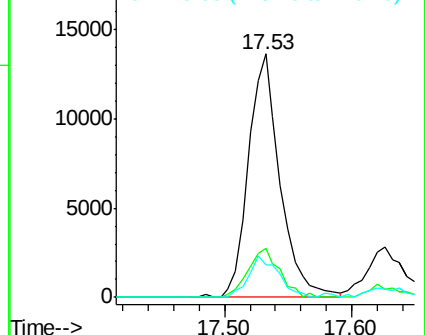
179 13.3 12.0 18.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 3.74 ng

RT: 19.53 min Scan# 2841

Delta R.T. -0.01 min

Lab File: BG022237.D

Acq: 8 Jun 2016 16:08

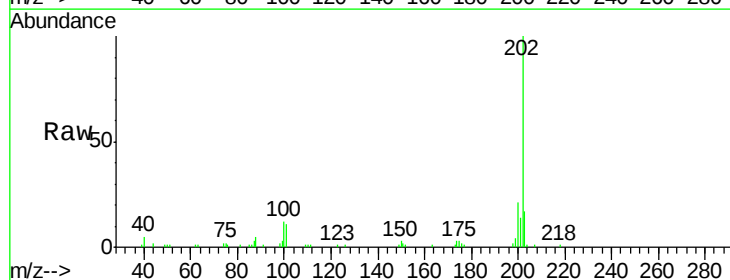
Tgt Ion:202 Resp: 49266

Ion Ratio Lower Upper

202 100

101 10.6 0.0 31.0

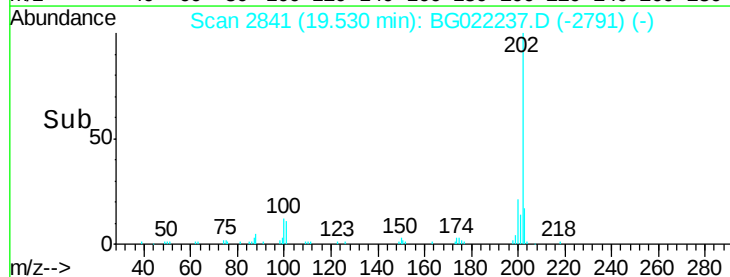
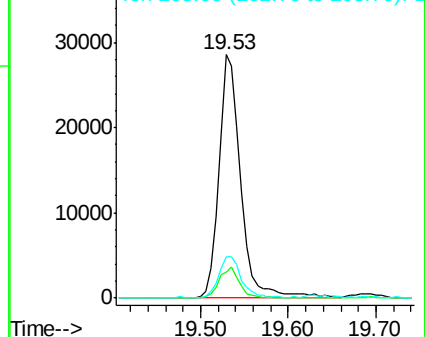
203 17.1 0.0 37.9

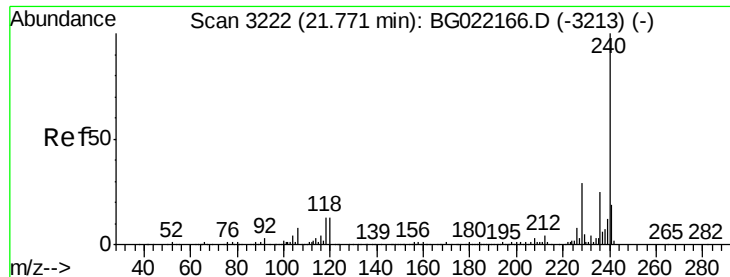


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.76 min Scan# 3221

Delta R.T. -0.01 min

Lab File: BG022237.D

Acq: 8 Jun 2016 16:08

Instrument :

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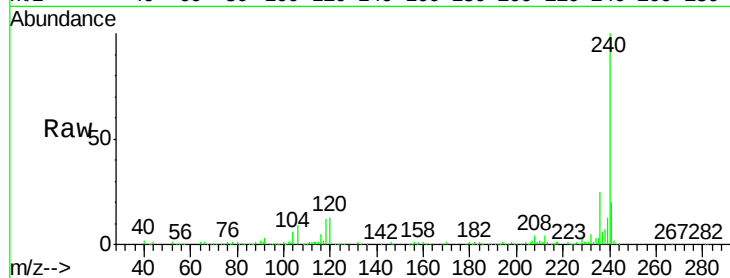
Tot Ion:240 Resp: 198417

Ion Ratio Lower Upper

240 100

120 13.0 8.4 12.6#

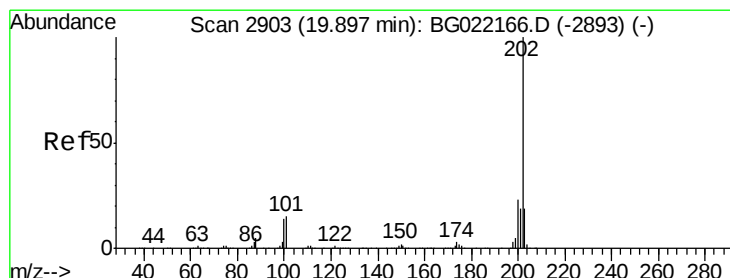
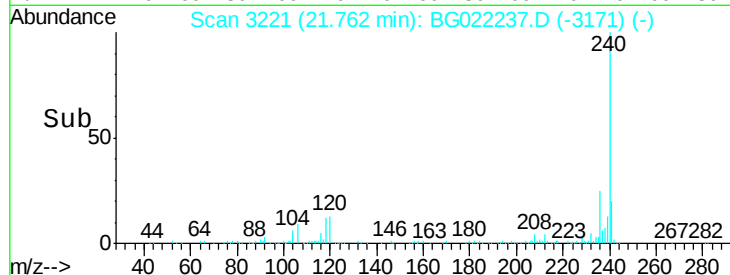
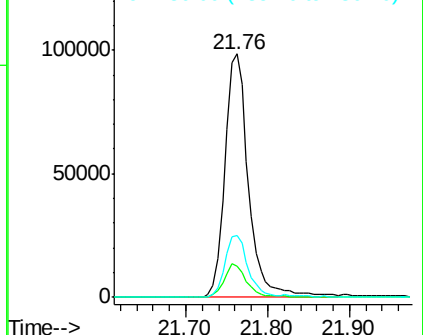
236 25.5 19.6 29.4



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: 3.48 ng

RT: 19.89 min Scan# 2903

Delta R.T. -0.00 min

Lab File: BG022237.D

Acq: 8 Jun 2016 16:08

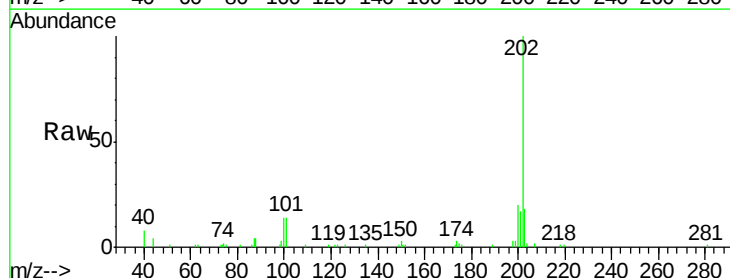
Tgt Ion:202 Resp: 42972

Ion Ratio Lower Upper

202 100

200 19.6 18.2 27.2

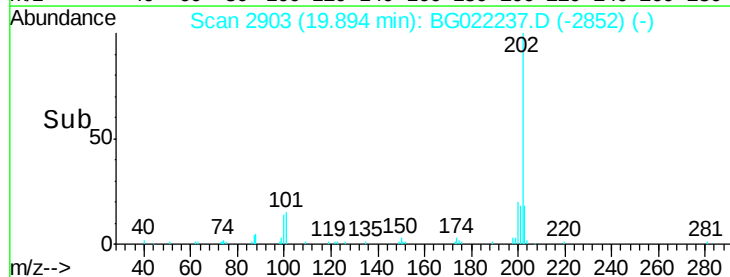
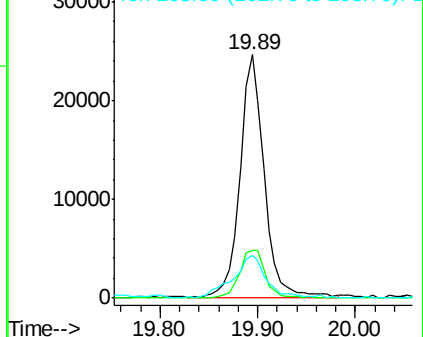
203 17.6 15.0 22.4

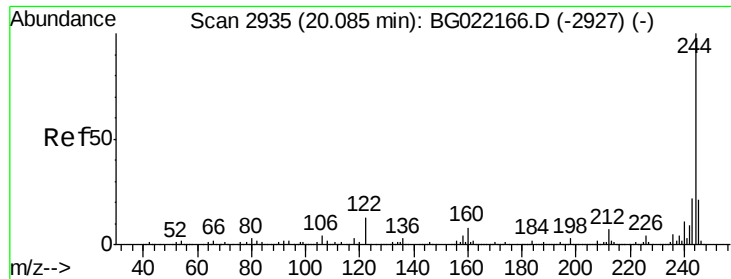


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 78.97 ng

RT: 20.08 min Scan# 2935

Delta R.T. -0.00 min

Lab File: BG022237.D

Acq: 8 Jun 2016 16:08

Instrument :

BNA\_G

ClientSampleId :

SB-19

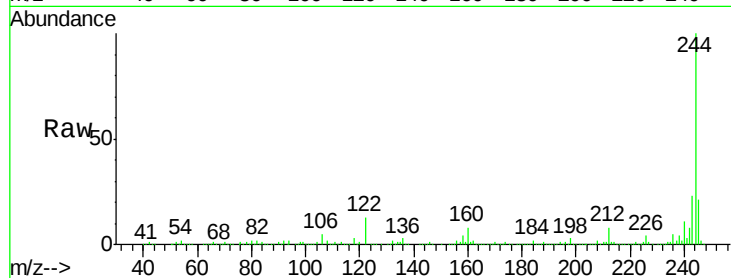
Tot Ion:244 Resp: 659960

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

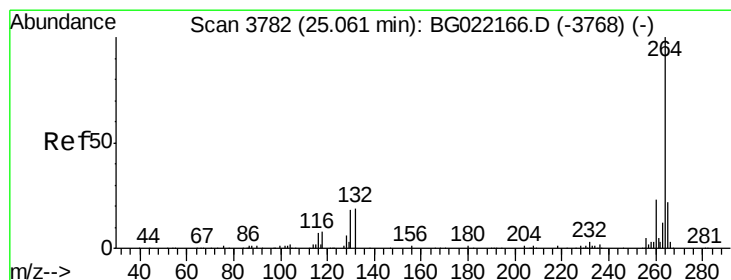
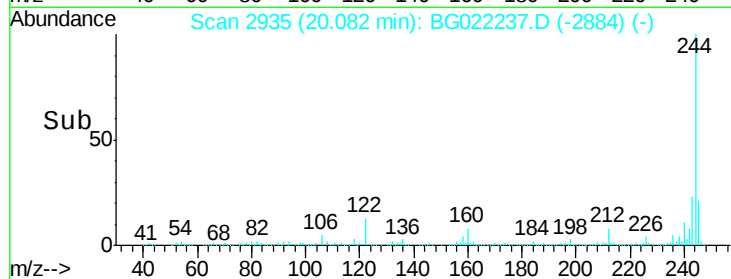
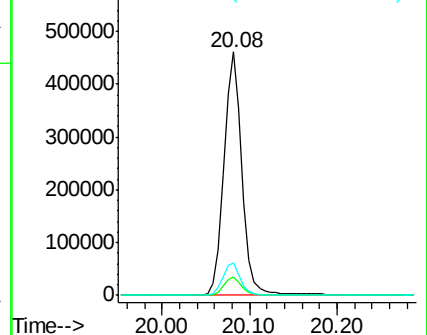
122 13.1 8.6 12.8#



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: 25.05 min Scan# 3781

Delta R.T. -0.01 min

Lab File: BG022237.D

Acq: 8 Jun 2016 16:08

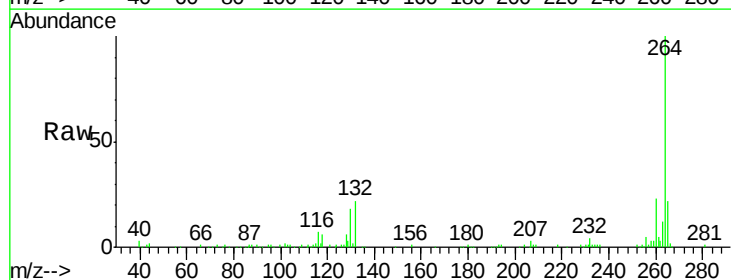
Tgt Ion:264 Resp: 188865

Ion Ratio Lower Upper

264 100

260 23.2 20.2 30.4

265 21.8 17.8 26.8



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

