

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020719\  
 Data File : BG039404.D  
 Acq On : 8 Feb 2019 6:08  
 Operator : JU/SJ  
 Sample : K1389-12  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 M-5S

Quant Time: Feb 09 00:53:08 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 29 15:41:51 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.18  | 152  | 52050    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.00 | 136  | 225441   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.80 | 164  | 146626   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.54 | 188  | 355209   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12            | 21.83 | 240  | 391396   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12            | 25.22 | 264  | 365104   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.71  | 112  | 451217   | 148.37 | ng    | 0.00     |
| 7) Phenol-d6                | 7.31  | 99   | 590117   | 131.82 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.36  | 82   | 420312   | 116.47 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 16.28 | 330  | 212701   | 134.71 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.43 | 172  | 979965   | 95.88  | ng    | 0.00     |
| 79) Terphenyl-d14           | 20.14 | 244  | 1628720  | 88.08  | ng    | -0.01    |

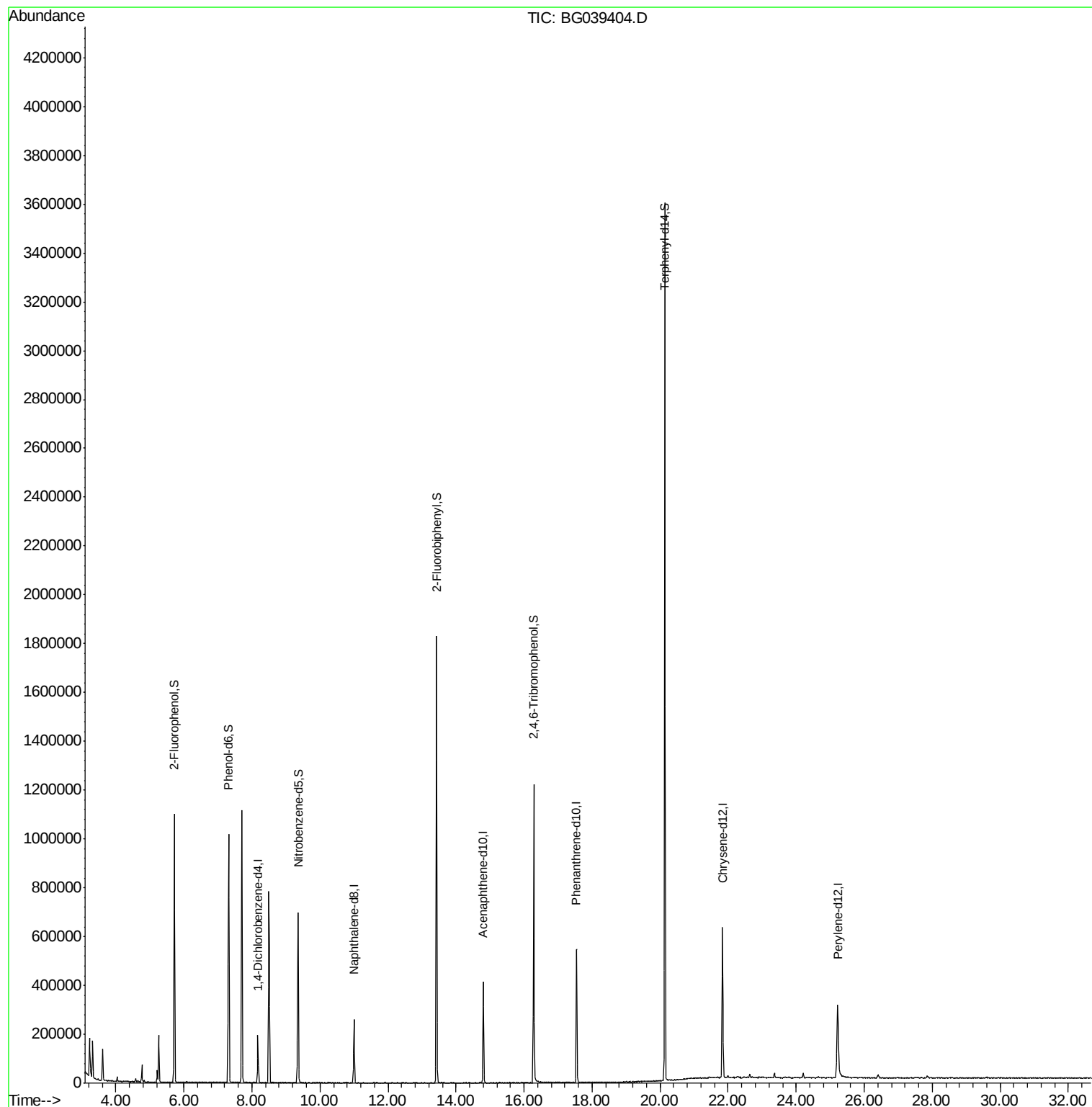
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.18 min Scan# 866

Delta R.T. -0.01 min

Lab File: BG039404.D

Acq: 8 Feb 2019 6:08

Instrument :

BNA\_G

ClientSampleId :

M-5S

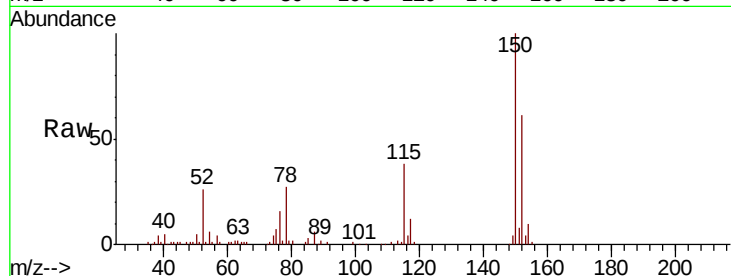
Tot Ion:152 Resp: 52050

Ion Ratio Lower Upper

152 100

150 165.0 123.7 185.5

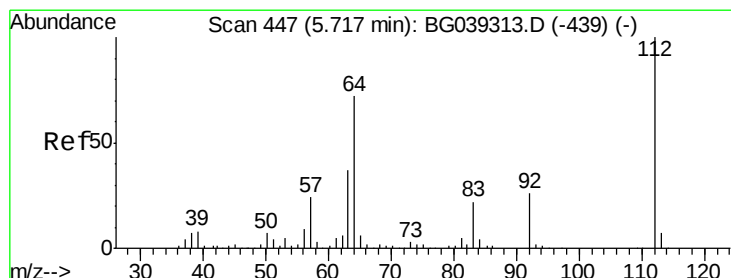
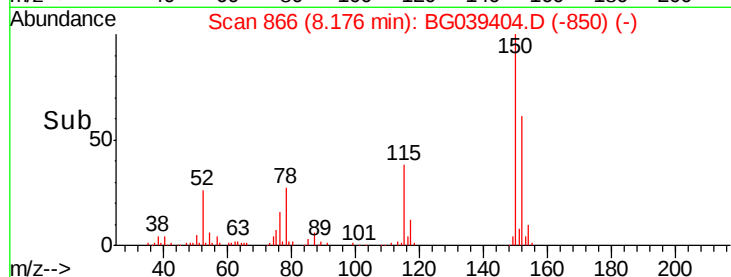
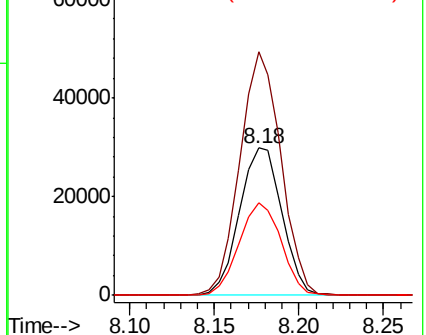
115 63.1 45.9 68.9



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: 148.369 ng

RT: 5.71 min Scan# 447

Delta R.T. -0.00 min

Lab File: BG039404.D

Acq: 8 Feb 2019 6:08

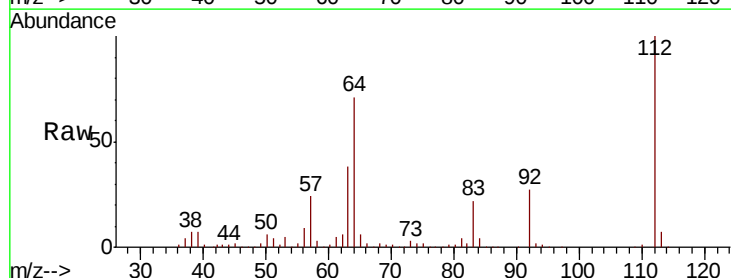
Tgt Ion:112 Resp: 451217

Ion Ratio Lower Upper

112 100

64 71.1 57.8 86.8

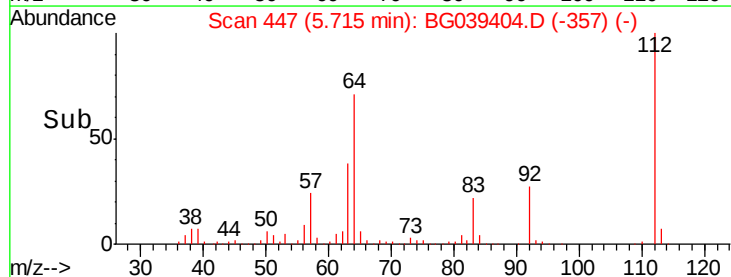
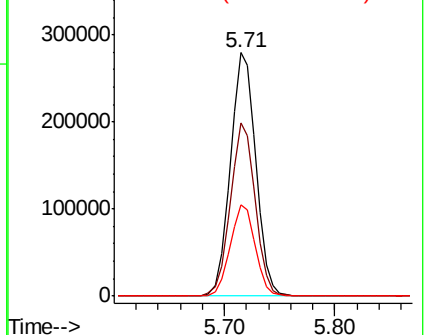
63 37.6 29.8 44.6



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: 131.825 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039404.D

Acq: 8 Feb 2019 6:08

Instrument :

BNA\_G

ClientSampleId :

M-5S

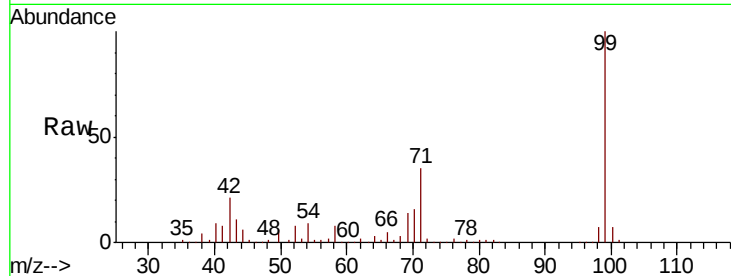
Tot Ion: 99 Resp: 590117

Ion Ratio Lower Upper

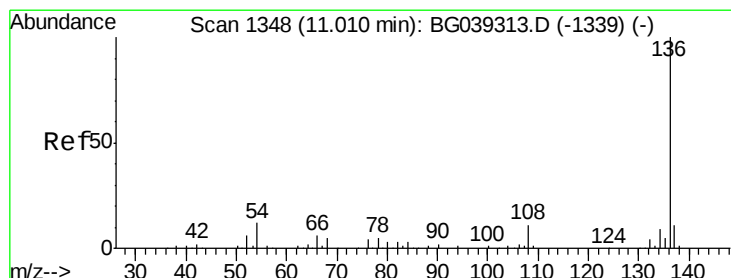
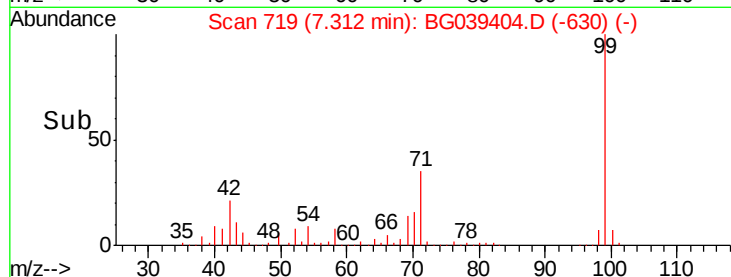
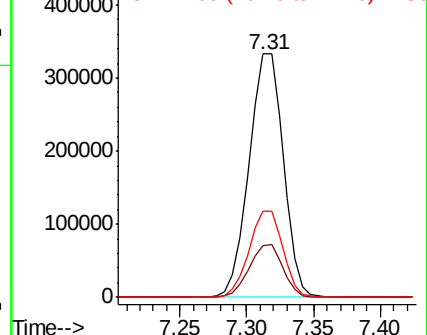
99 100

42 21.0 18.2 27.2

71 35.2 28.0 42.0



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: 20.000 ng

RT: 11.00 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BG039404.D

Acq: 8 Feb 2019 6:08

Tgt Ion: 136 Resp: 225441

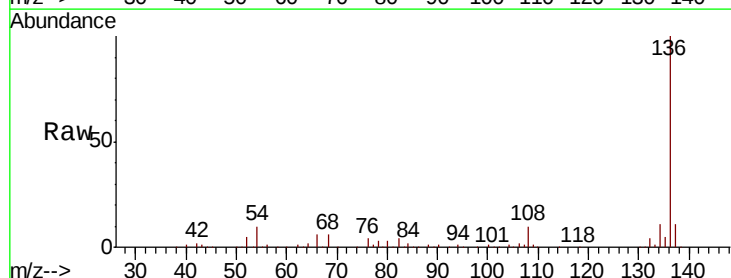
Ion Ratio Lower Upper

136 100

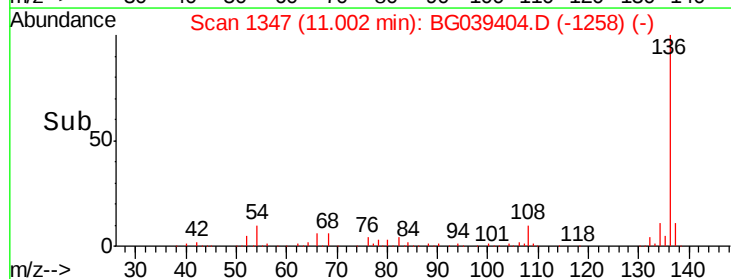
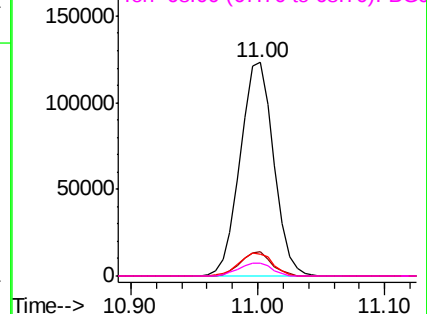
137 11.3 9.1 13.7

54 10.5 9.4 14.2

68 6.3 4.2 6.4



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: 116.472 ng

RT: 9.36 min Scan# 1067

Delta R.T. -0.01 min

Lab File: BG039404.D

Acq: 8 Feb 2019 6:08

Instrument :

BNA\_G

ClientSampleId :

M-5S

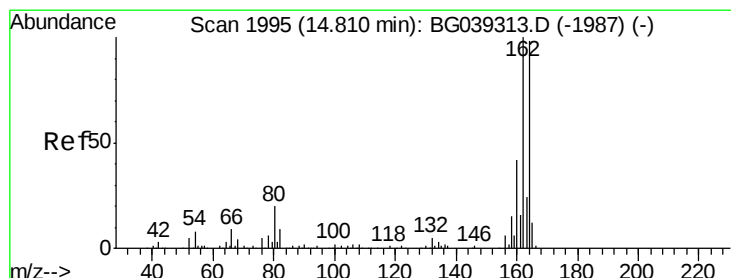
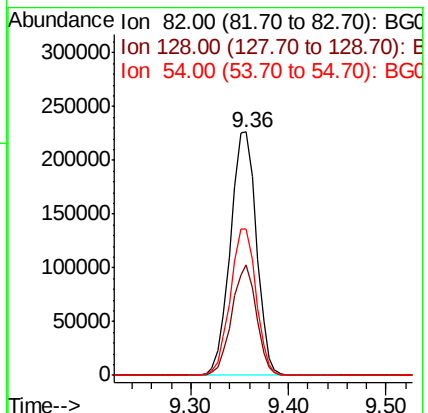
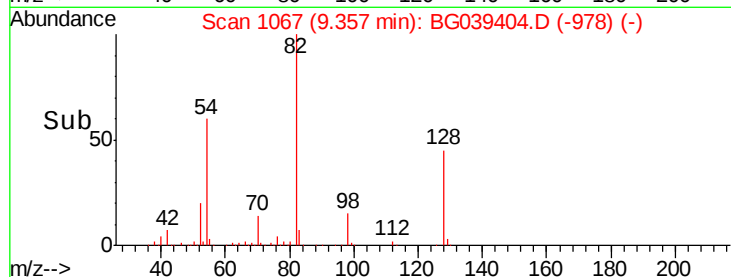
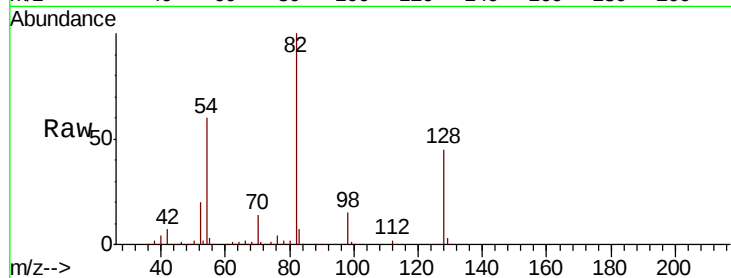
Tot Ion: 82 Resp: 420312

Ion Ratio Lower Upper

82 100

128 45.5 31.3 46.9

54 59.9 50.9 76.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.80 min Scan# 1993

Delta R.T. -0.01 min

Lab File: BG039404.D

Acq: 8 Feb 2019 6:08

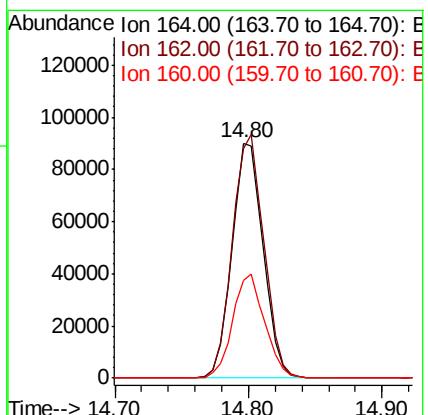
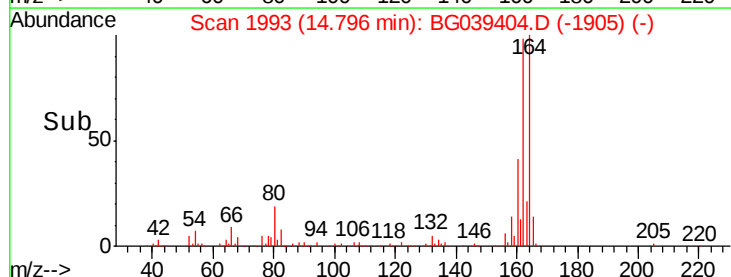
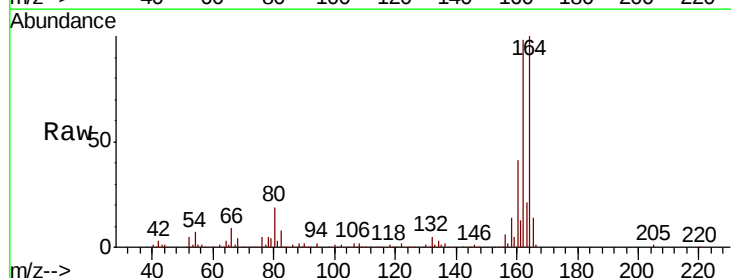
Tgt Ion:164 Resp: 146626

Ion Ratio Lower Upper

164 100

162 98.0 81.6 122.4

160 41.4 34.2 51.2

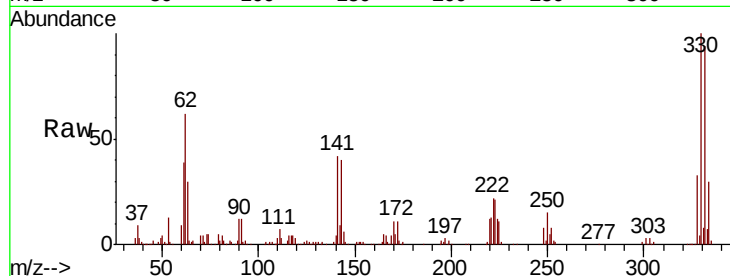




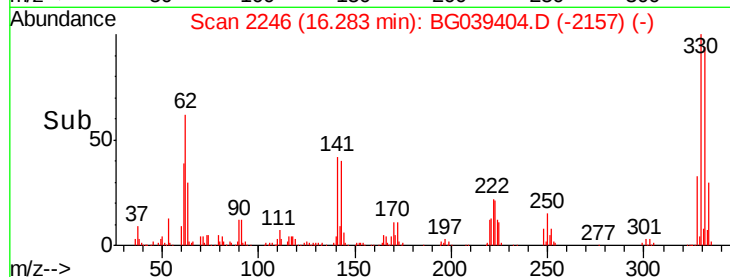
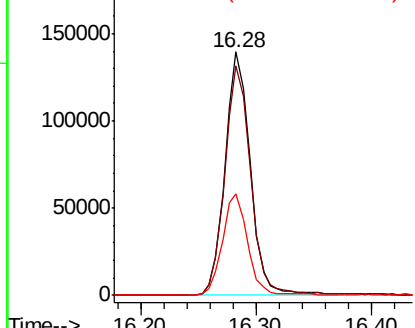
#42  
 2,4,6-Tribromophenol  
 Concen: 134.714 ng  
 RT: 16.28 min Scan# 2246  
 Delta R.T. -0.01 min  
 Lab File: BG039404.D  
 Acq: 8 Feb 2019 6:08

Instrument :  
 BNA\_G  
 ClientSampleId :  
 M-5S

Tot Ion:330 Resp: 212701  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 75.7 113.5  
 141 41.5 35.6 53.4

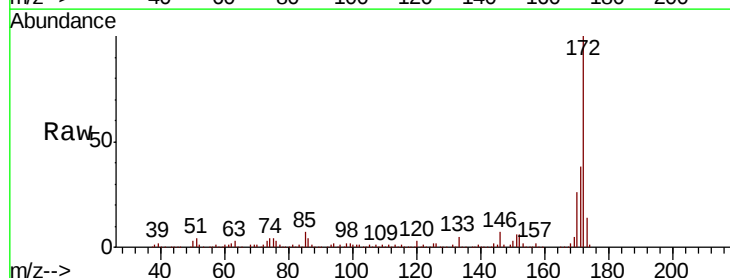


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

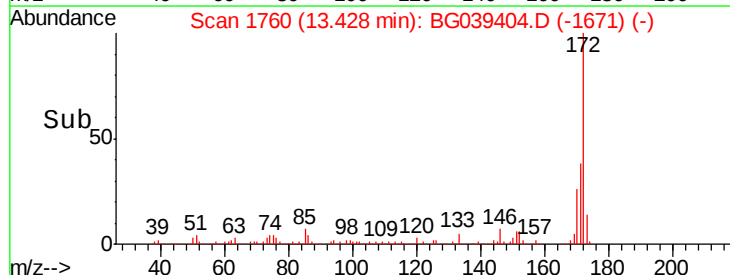
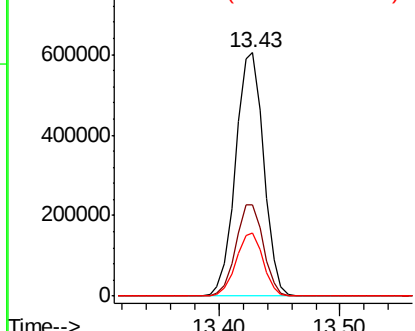


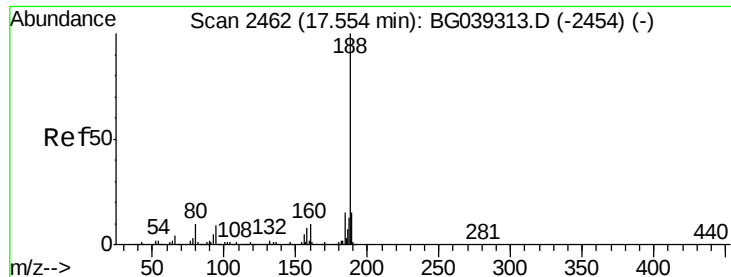
#45  
 2-Fluorobiphenyl  
 Concen: 95.877 ng  
 RT: 13.43 min Scan# 1760  
 Delta R.T. -0.01 min  
 Lab File: BG039404.D  
 Acq: 8 Feb 2019 6:08

Tgt Ion:172 Resp: 979965  
 Ion Ratio Lower Upper  
 172 100  
 171 37.7 30.8 46.2  
 170 25.7 20.2 30.4



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.54 min Scan# 2460

Delta R.T. -0.01 min

Lab File: BG039404.D

Acq: 8 Feb 2019 6:08

Instrument :

BNA\_G

ClientSampleId :

M-5S

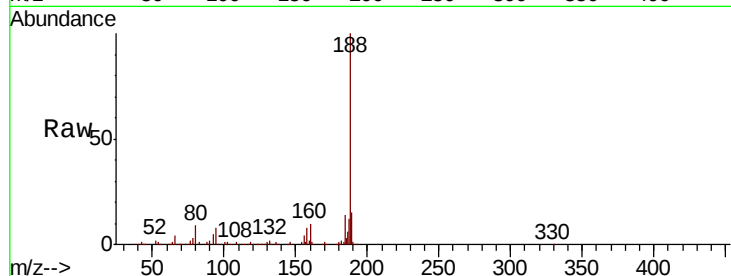
Tot Ion:188 Resp: 355209

Ion Ratio Lower Upper

188 100

94 7.6 6.9 10.3

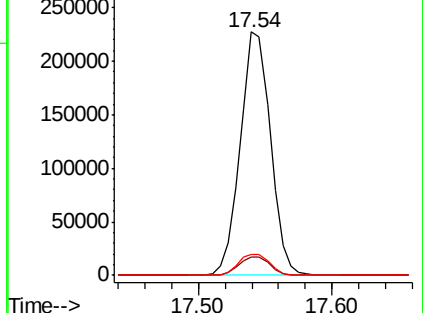
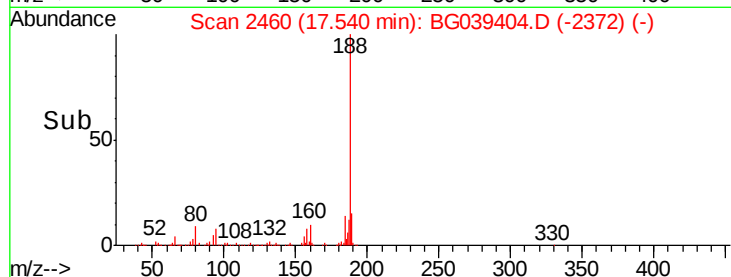
80 8.8 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.83 min Scan# 3191

Delta R.T. -0.01 min

Lab File: BG039404.D

Acq: 8 Feb 2019 6:08

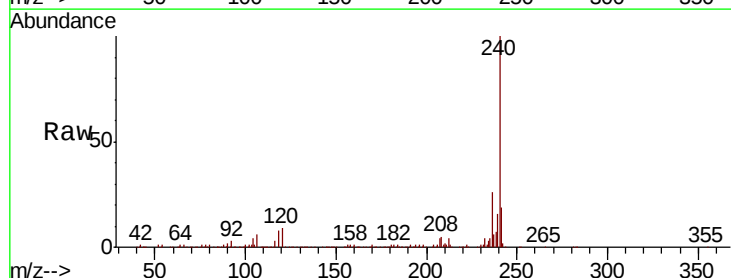
Tgt Ion:240 Resp: 391396

Ion Ratio Lower Upper

240 100

120 8.7 7.0 10.6

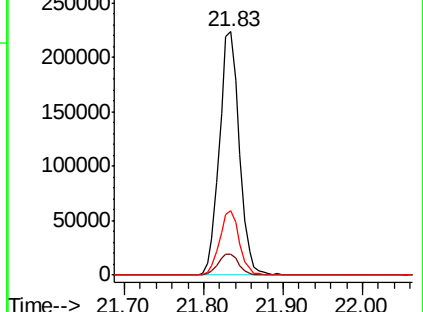
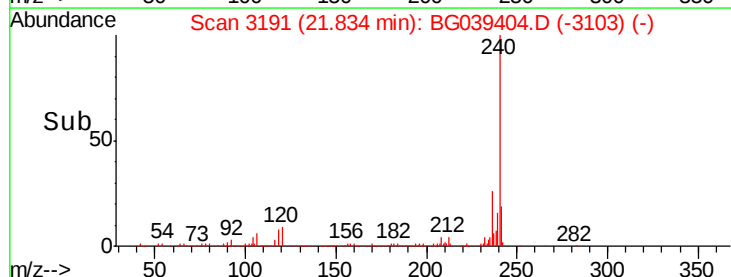
236 26.3 21.0 31.4



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





#79

Terphenyl-d14

Concen: 88.082 ng

RT: 20.14 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG039404.D

Acq: 8 Feb 2019 6:08

Instrument :

BNA\_G

ClientSampleId :

M-5S

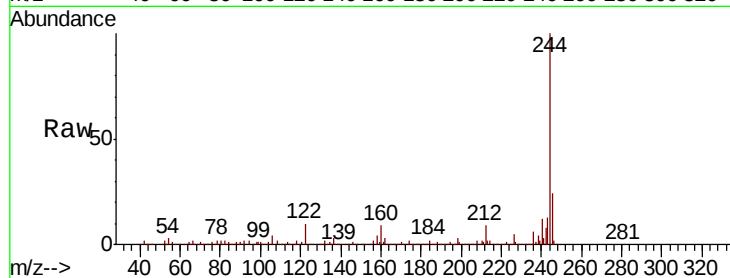
Tot Ion:244 Resp: 1628720

Ion Ratio Lower Upper

244 100

212 9.1 7.3 10.9

122 10.3 8.4 12.6

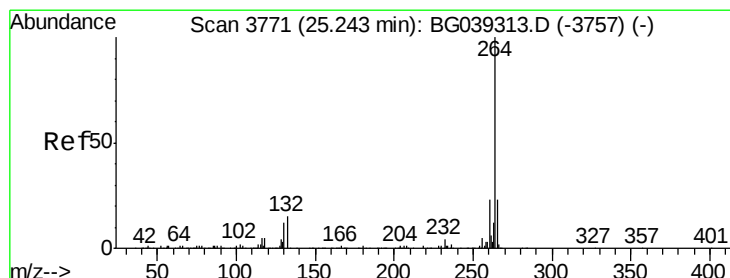
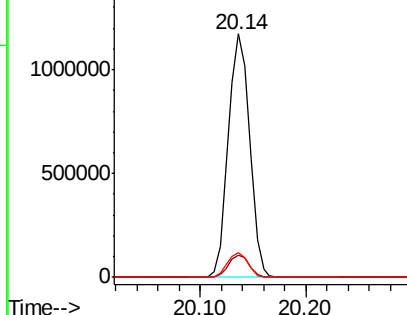
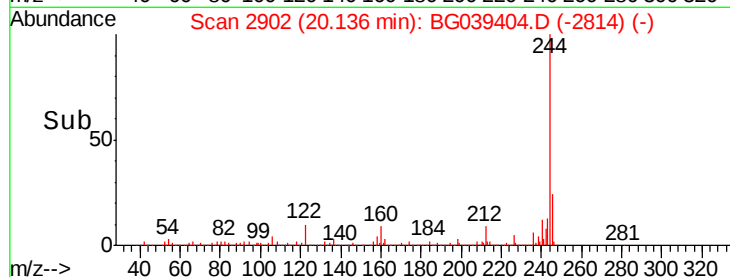


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.22 min Scan# 3767

Delta R.T. -0.03 min

Lab File: BG039404.D

Acq: 8 Feb 2019 6:08

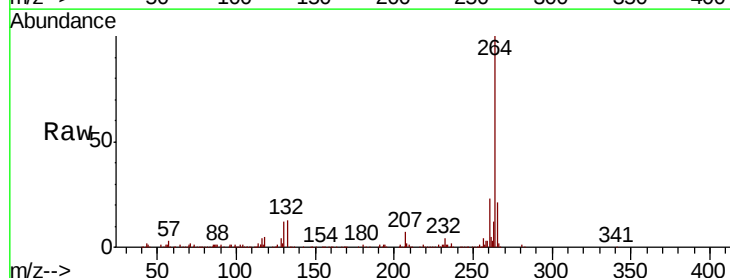
Tgt Ion:264 Resp: 365104

Ion Ratio Lower Upper

264 100

260 23.3 18.2 27.4

265 21.4 18.5 27.7



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

