

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010419\  
 Data File : BG038959.D  
 Acq On : 5 Jan 2019 11:31  
 Operator : JU/SJ  
 Sample : K1036-14  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 13-P

Quant Time: Jan 06 23:11:32 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 12 15:26:27 2018  
 Response via : Initial Calibration

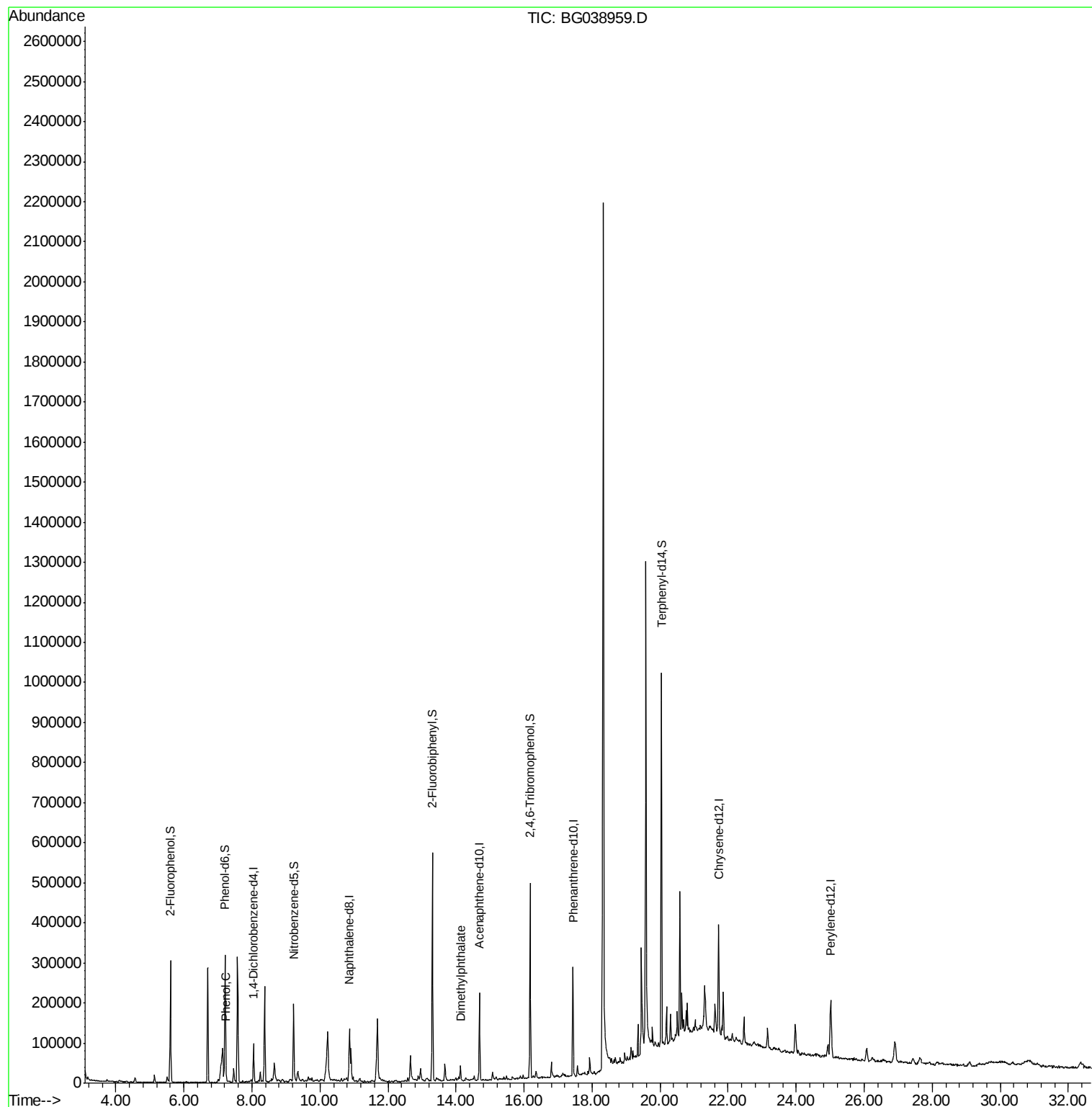
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.05  | 152  | 28268    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.87 | 136  | 119727   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 14.69 | 164  | 77474    | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10        | 17.44 | 188  | 173686   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.72 | 240  | 166078   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12            | 25.02 | 264  | 180472   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 132686   | 83.25 | ng    | 0.00     |
| 7) Phenol-d6                | 7.21  | 99   | 186084   | 85.05 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.23  | 82   | 113417   | 48.39 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 16.18 | 330  | 101026   | 94.62 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 13.31 | 172  | 312741   | 55.38 | ng    | -0.01    |
| 79) Terphenyl-d14           | 20.04 | 244  | 482544   | 63.23 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 10) Phenol                  | 7.24  | 94   | 4899     | 2.108 | ng    | 95       |
| 50) Dimethylphthalate       | 14.13 | 163  | 23471    | 3.710 | ng    | # 97     |

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

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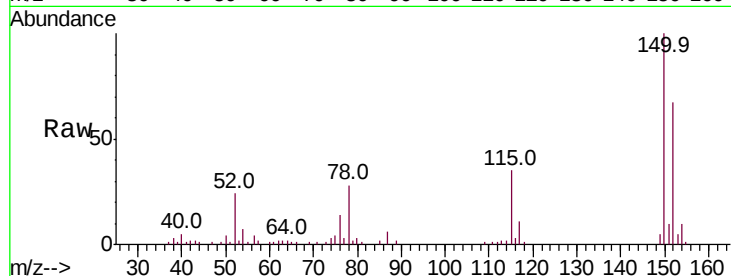


#1

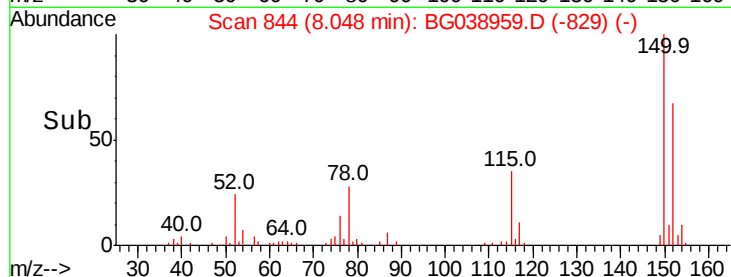
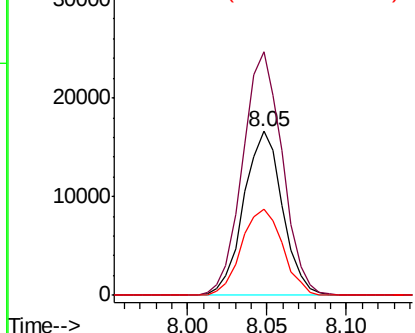
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.05 min Scan# 844  
Delta R.T. -0.01 min  
Lab File: BG038959.D  
Acq: 5 Jan 2019 11:31

Instrument :  
BNA\_G  
ClientSampleId :  
13-P

Tot Ion:152 Resp: 28268  
Ion Ratio Lower Upper  
152 100  
150 148.6 119.5 179.3  
115 52.6 49.6 74.4



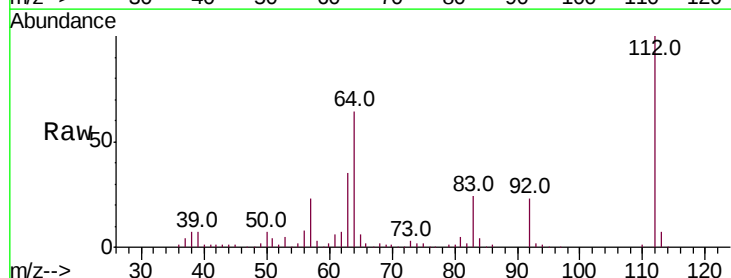
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



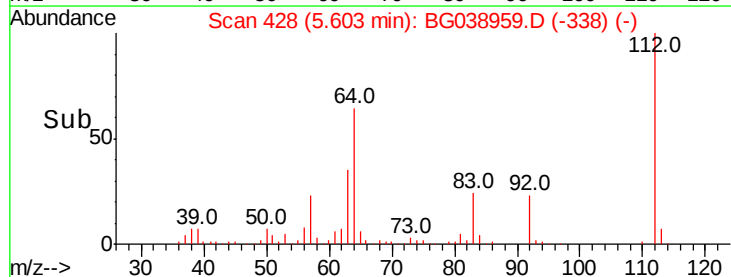
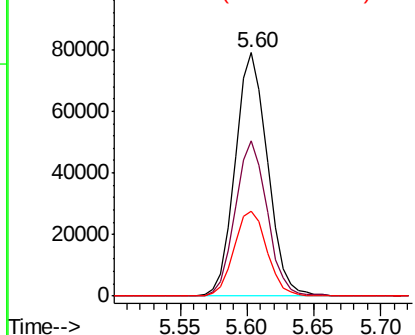
#5

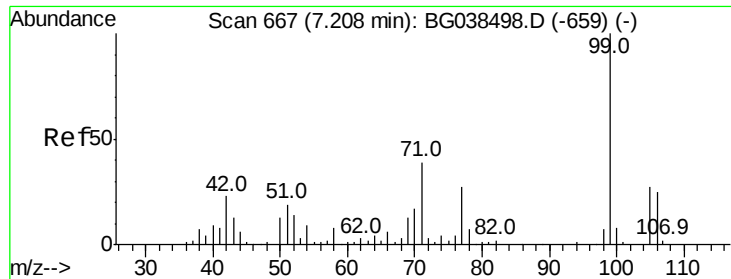
2-Fluorophenol  
Concen: 83.253 ng  
RT: 5.60 min Scan# 428  
Delta R.T. 0.00 min  
Lab File: BG038959.D  
Acq: 5 Jan 2019 11:31

Tgt Ion:112 Resp: 132686  
Ion Ratio Lower Upper  
112 100  
64 63.5 53.4 80.2  
63 34.7 29.3 43.9



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





#7

Phenol-d6

Concen: 85.050 ng

RT: 7.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BG038959.D

Acq: 5 Jan 2019 11:31

Instrument :

BNA\_G

ClientSampleId :

13-P

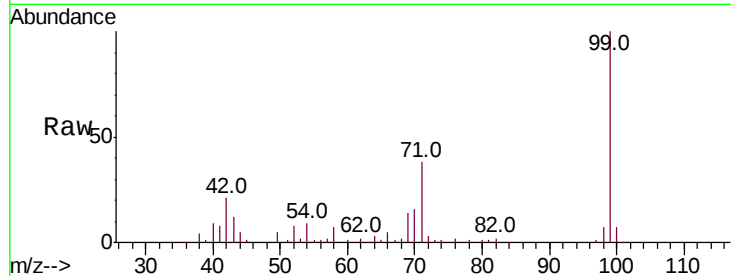
Tot Ion: 99 Resp: 186084

Ion Ratio Lower Upper

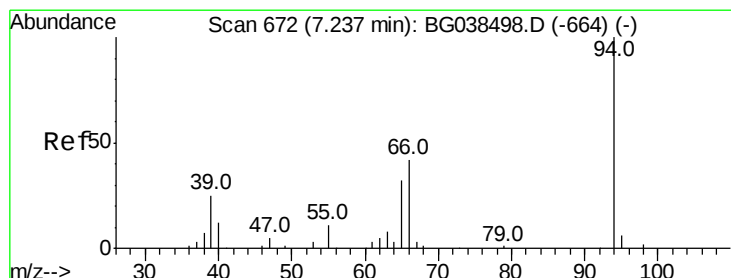
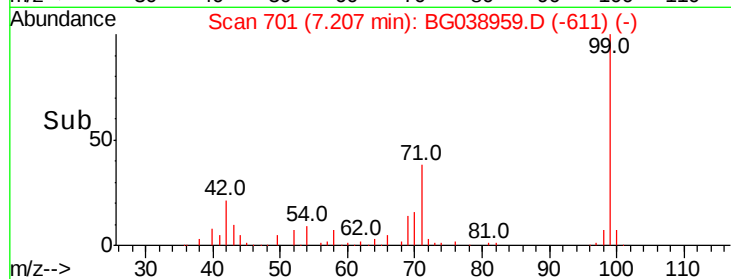
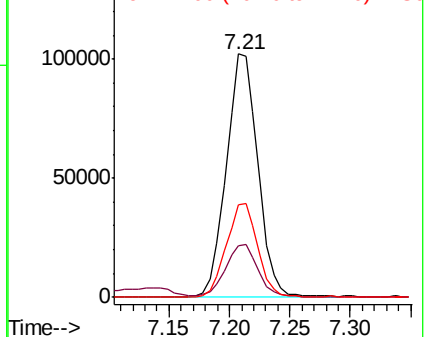
99 100

42 21.3 18.5 27.7

71 37.9 31.1 46.7



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



#10

Phenol

Concen: 2.108 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.01 min

Lab File: BG038959.D

Acq: 5 Jan 2019 11:31

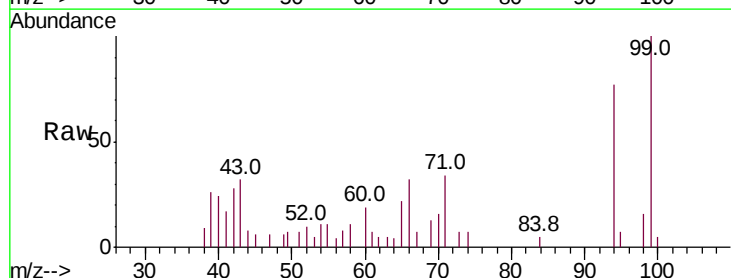
Tgt Ion: 94 Resp: 4899

Ion Ratio Lower Upper

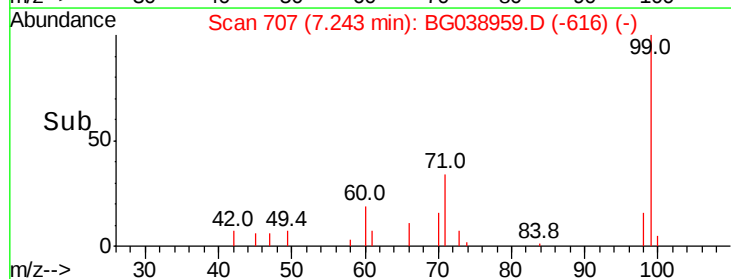
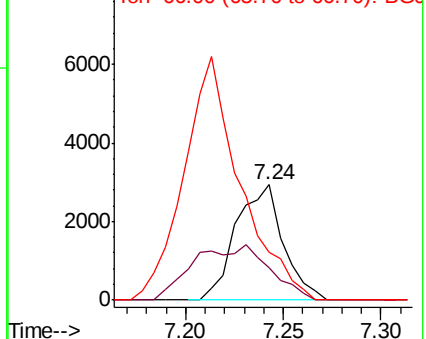
94 100

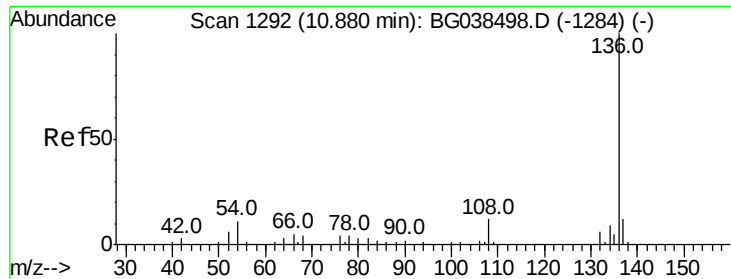
65 28.3 12.6 52.6

66 41.6 24.1 64.1



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BG038959.D

Acq: 5 Jan 2019 11:31

Instrument :

BNA\_G

ClientSampleId :

13-P

Tot Ion:136 Resp: 119727

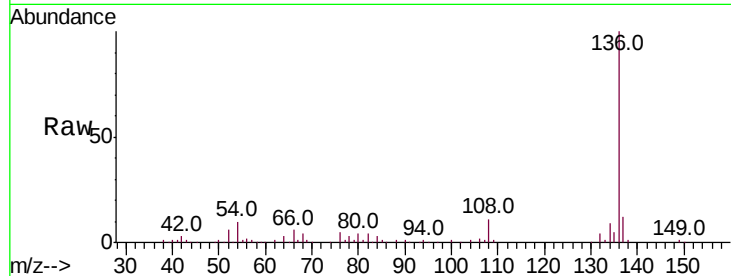
Ion Ratio Lower Upper

136 100

137 12.2 9.3 13.9

54 9.7 8.5 12.7

68 4.4 3.5 5.3

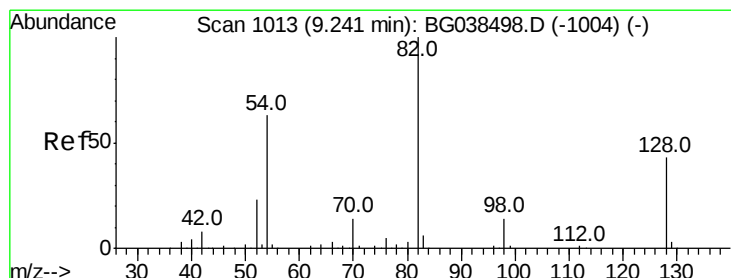
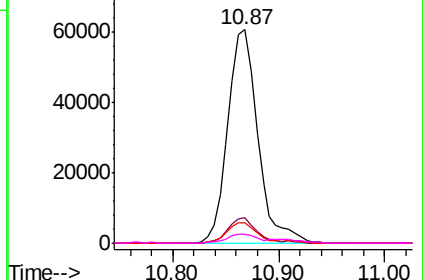
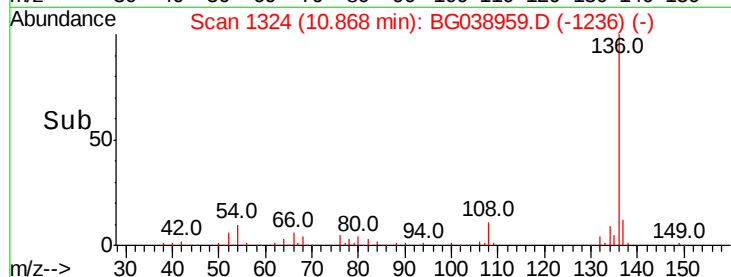


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 48.395 ng

RT: 9.23 min Scan# 1045

Delta R.T. -0.01 min

Lab File: BG038959.D

Acq: 5 Jan 2019 11:31

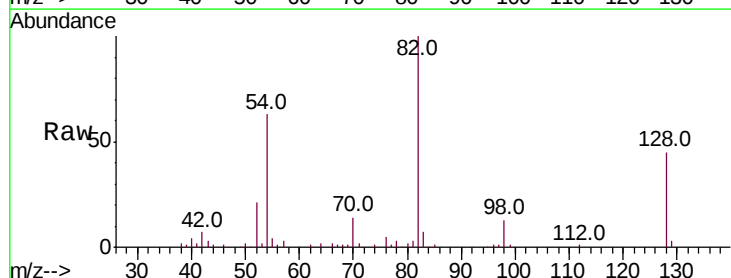
Tgt Ion: 82 Resp: 113417

Ion Ratio Lower Upper

82 100

128 44.7 34.6 52.0

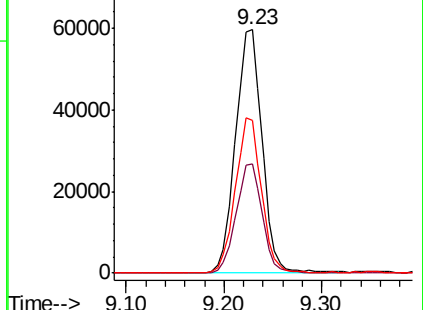
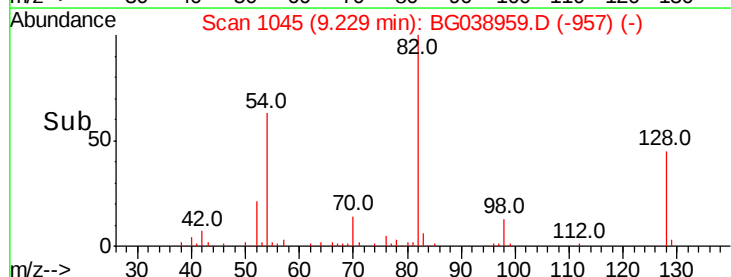
54 62.5 50.6 76.0

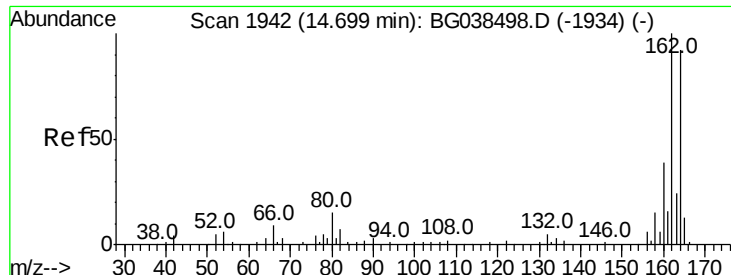


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG038959.D

Acq: 5 Jan 2019 11:31

Instrument :

BNA\_G

ClientSampleId :

13-P

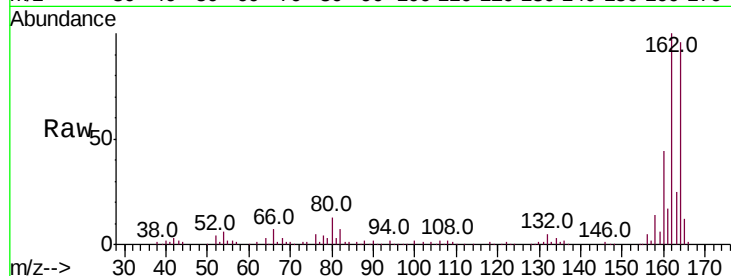
Tot Ion:164 Resp: 77474

Ion Ratio Lower Upper

164 100

162 104.5 86.6 130.0

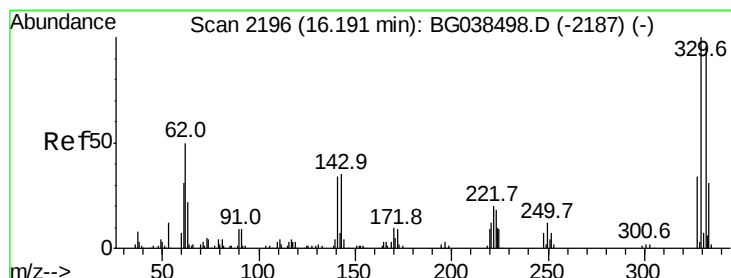
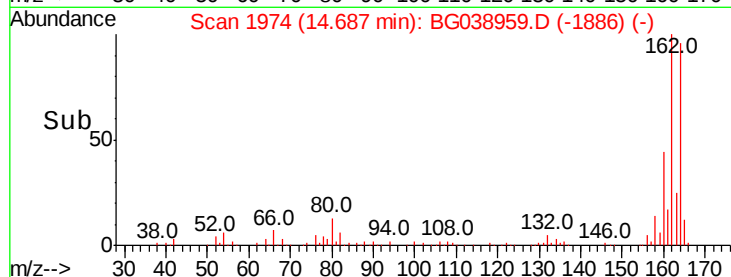
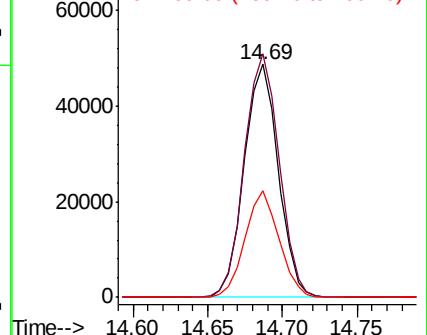
160 45.7 34.2 51.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 94.617 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.01 min

Lab File: BG038959.D

Acq: 5 Jan 2019 11:31

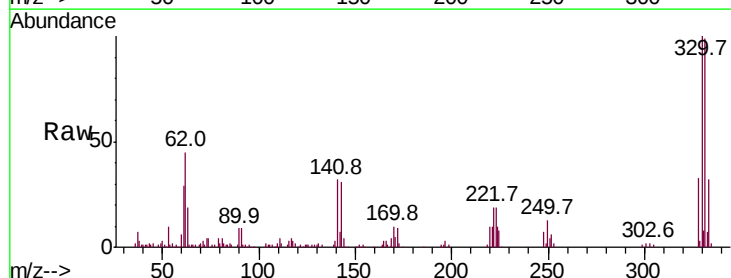
Tgt Ion:330 Resp: 101026

Ion Ratio Lower Upper

330 100

332 96.1 76.9 115.3

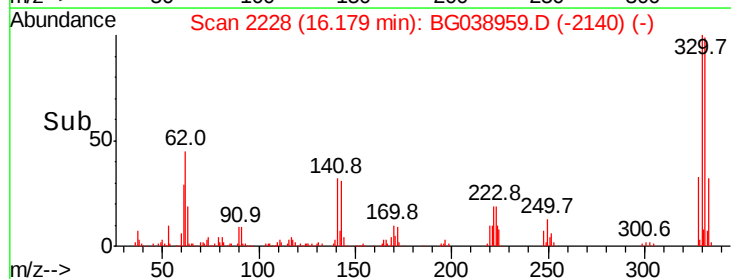
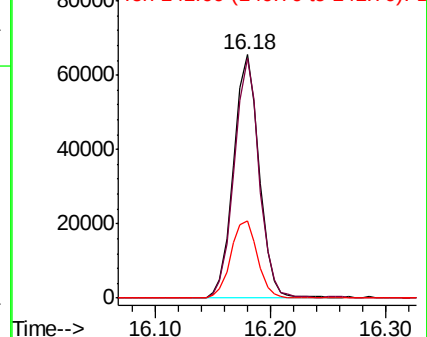
141 33.2 28.8 43.2



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

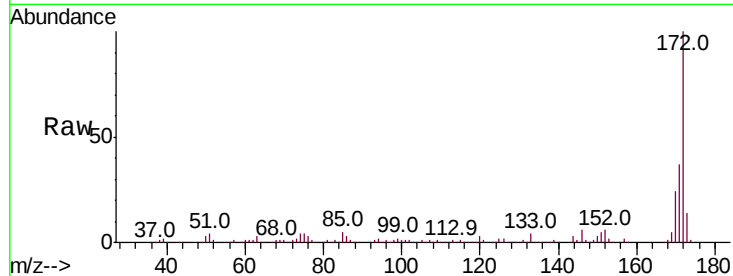




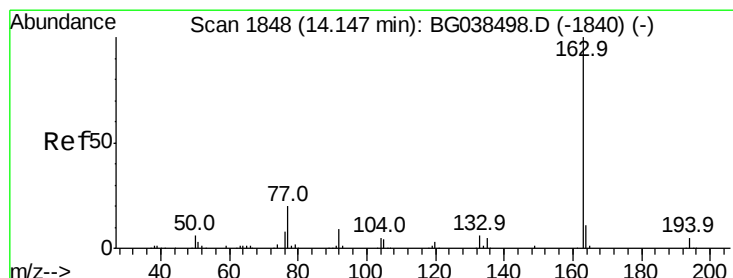
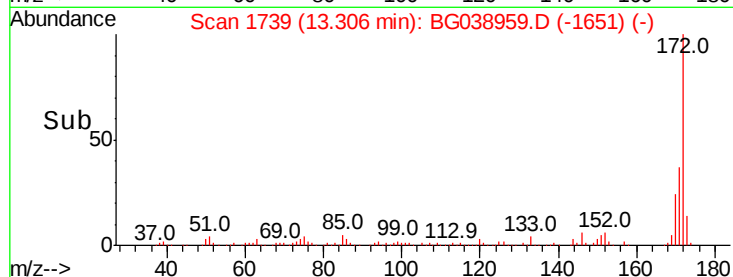
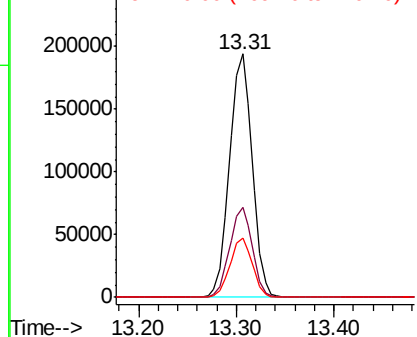
#45  
 2-Fluorobiphenyl  
 Concen: 55.378 ng  
 RT: 13.31 min Scan# 1739  
 Delta R.T. -0.01 min  
 Lab File: BG038959.D  
 Acq: 5 Jan 2019 11:31

Instrument :  
 BNA\_G  
 ClientSampleId :  
 13-P

Tot Ion:172 Resp: 312741  
 Ion Ratio Lower Upper  
 172 100  
 171 36.7 29.8 44.6  
 170 24.4 19.5 29.3

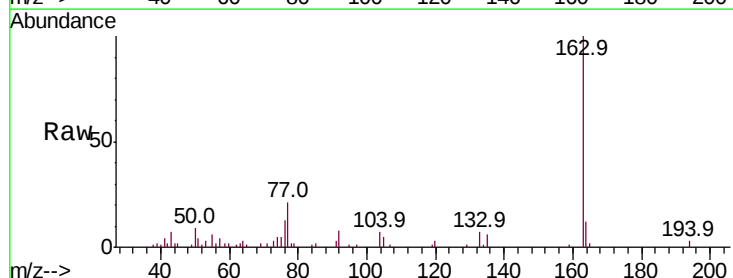


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

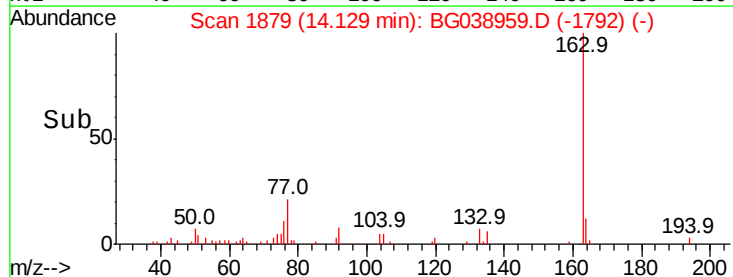
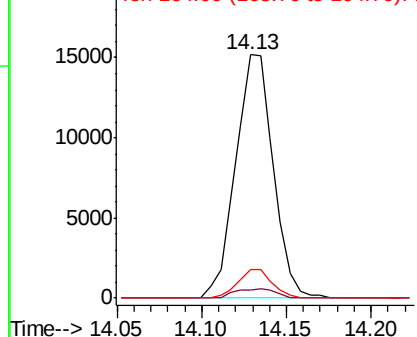


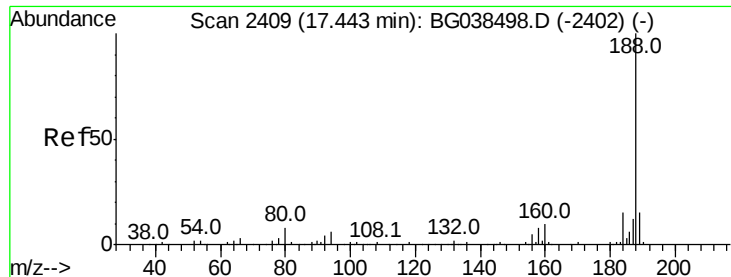
#50  
 Dimethylphthalate  
 Concen: 3.710 ng  
 RT: 14.13 min Scan# 1879  
 Delta R.T. -0.02 min  
 Lab File: BG038959.D  
 Acq: 5 Jan 2019 11:31

Tgt Ion:163 Resp: 23471  
 Ion Ratio Lower Upper  
 163 100  
 194 3.4 3.7 5.5#  
 164 11.7 8.6 12.8



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.44 min Scan# 2442

Delta R.T. -0.01 min

Lab File: BG038959.D

Acq: 5 Jan 2019 11:31

Instrument :

BNA\_G

ClientSampleId :

13-P

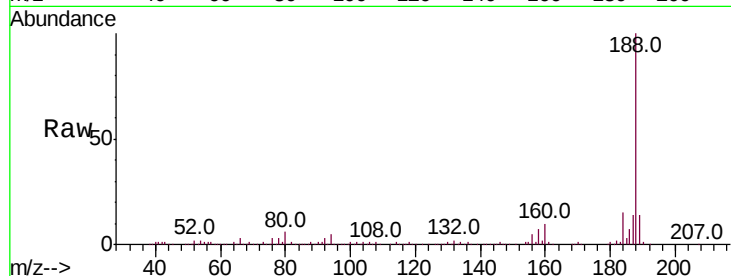
Tot Ion:188 Resp: 173686

Ion Ratio Lower Upper

188 100

94 5.3 5.1 7.7

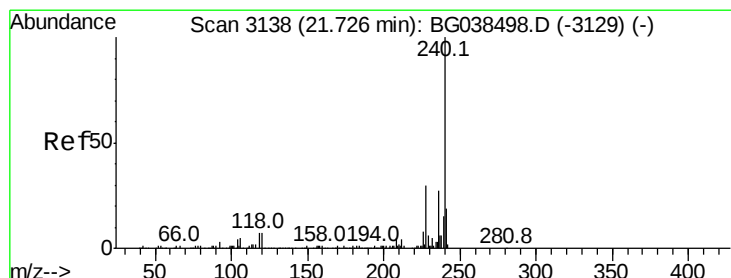
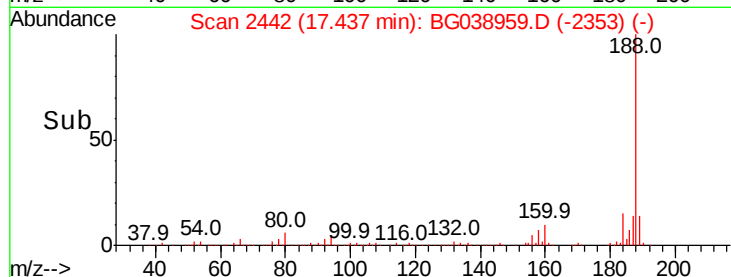
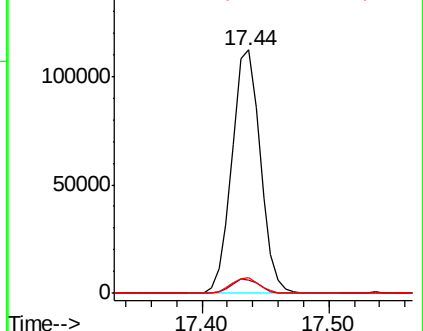
80 6.4 6.1 9.1



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.72 min Scan# 3171

Delta R.T. -0.01 min

Lab File: BG038959.D

Acq: 5 Jan 2019 11:31

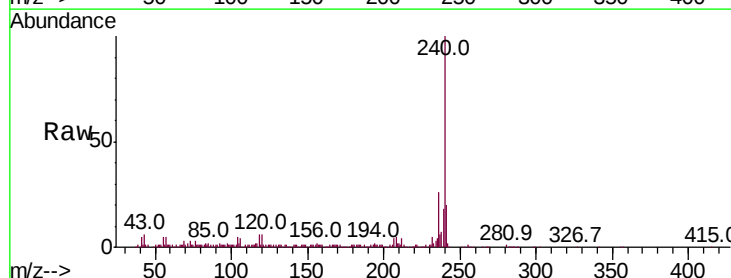
Tgt Ion:240 Resp: 166078

Ion Ratio Lower Upper

240 100

120 5.8 5.3 7.9

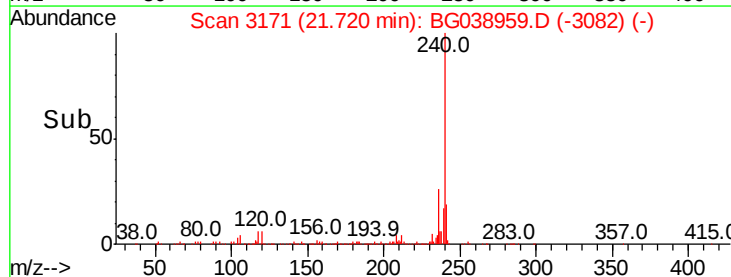
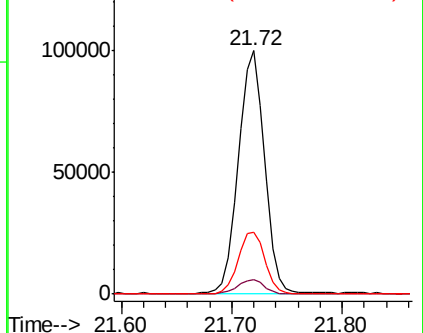
236 25.6 21.4 32.2

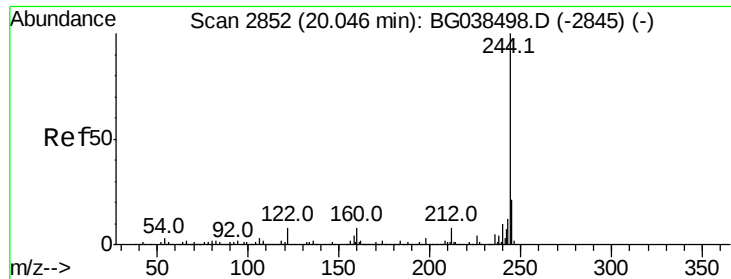


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 63.234 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG038959.D

Acq: 5 Jan 2019 11:31

Instrument :

BNA\_G

ClientSampleId :

13-P

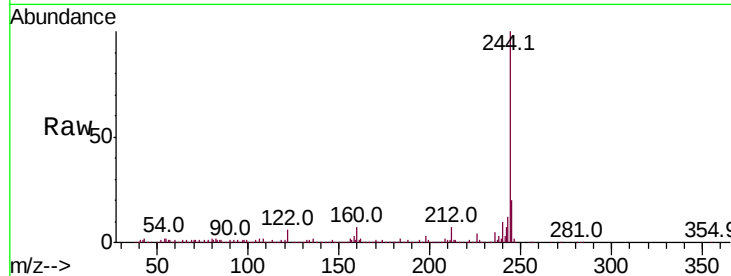
Tot Ion:244 Resp: 482544

Ion Ratio Lower Upper

244 100

212 7.5 6.2 9.2

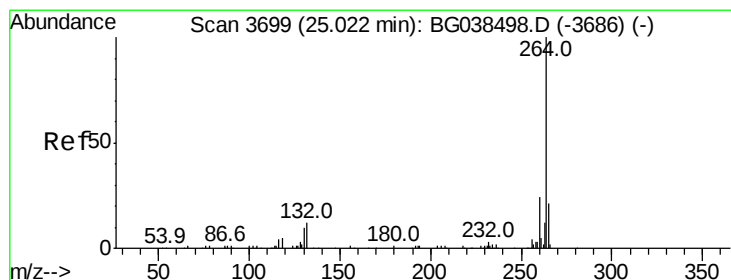
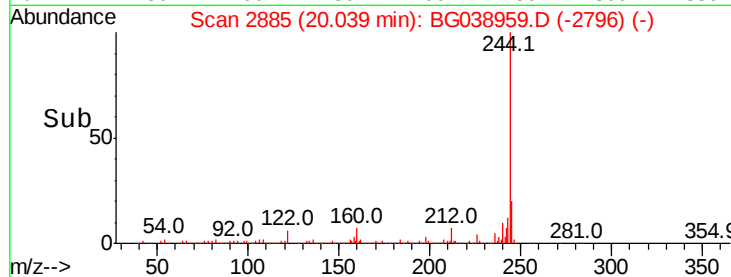
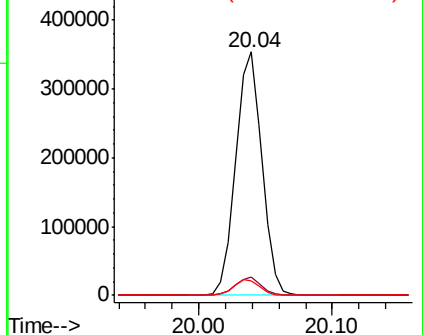
122 6.1 6.3 9.5#



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: 25.02 min Scan# 3732

Delta R.T. -0.01 min

Lab File: BG038959.D

Acq: 5 Jan 2019 11:31

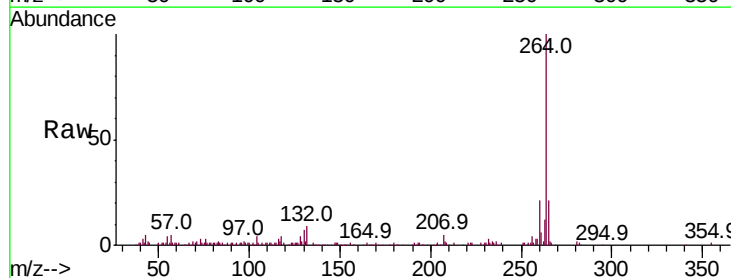
Tgt Ion:264 Resp: 180472

Ion Ratio Lower Upper

264 100

260 21.5 18.9 28.3

265 21.2 17.0 25.4



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

