

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062518\  
 Data File : BG035398.D  
 Acq On : 26 Jun 2018 5:10  
 Operator : JU/SJ  
 Sample : J3684-04  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-1-S

Quant Time: Jun 26 07:26:10 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 08 17:16:28 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.06  | 152  | 49828    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.86 | 136  | 187295   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10        | 14.67 | 164  | 134560   | 20.00  | ng    | -0.03    |
| 63) Phenanthrene-d10        | 17.41 | 188  | 362200   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12            | 21.68 | 240  | 398113   | 20.00  | ng    | -0.04    |
| 86) Perylene-d12            | 24.90 | 264  | 357963   | 20.00  | ng    | -0.06    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.63  | 112  | 438052   | 148.36 | ng    | -0.01    |
| 7) Phenol-d6                | 7.22  | 99   | 590757   | 135.56 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.21  | 82   | 445204   | 112.99 | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 16.16 | 330  | 319609   | 185.55 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.30 | 172  | 1006533  | 97.24  | ng    | -0.03    |
| 78) Terphenyl-d14           | 20.02 | 244  | 1874197  | 98.61  | ng    | -0.03    |

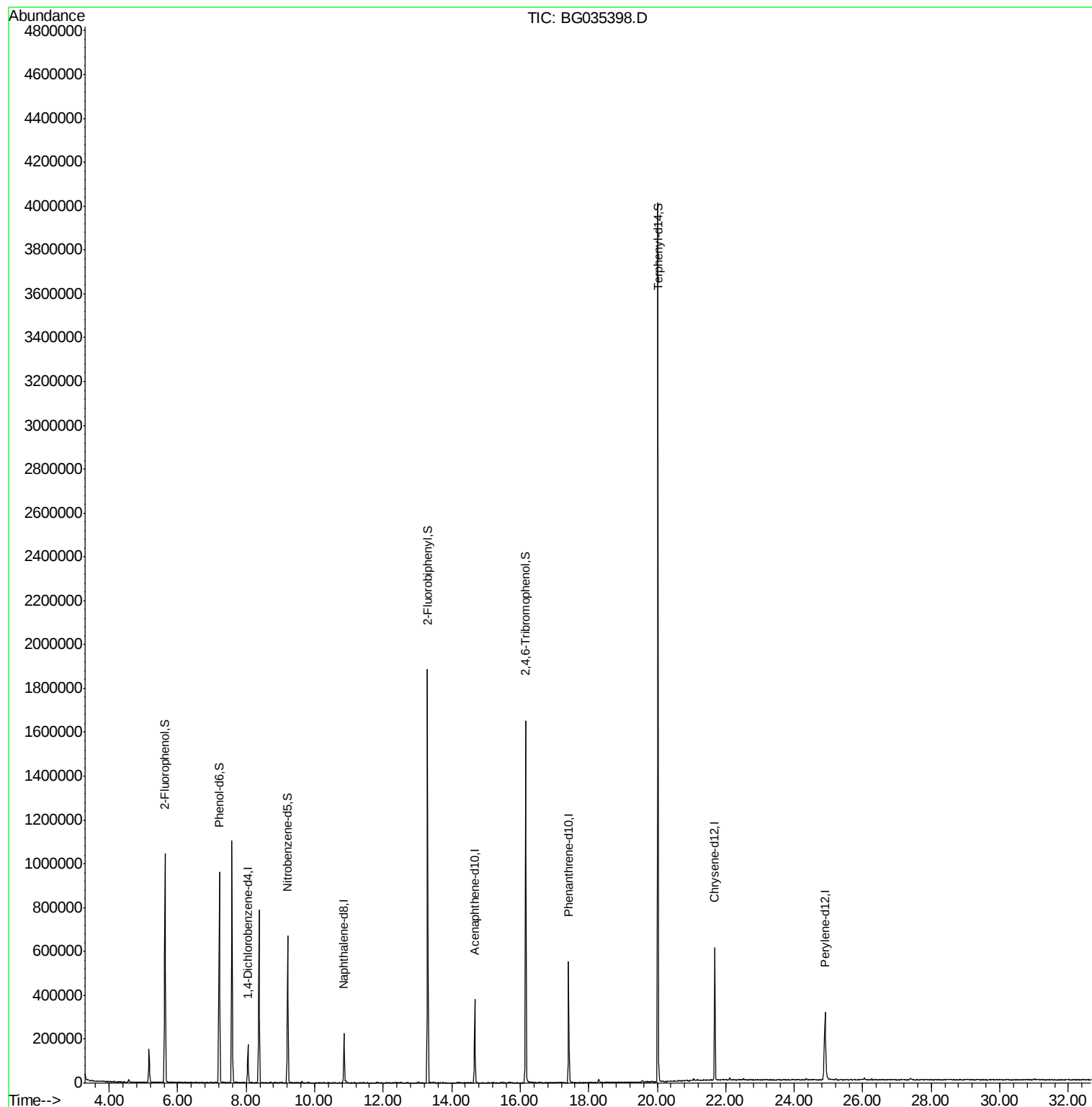
Target Compounds Qvalue

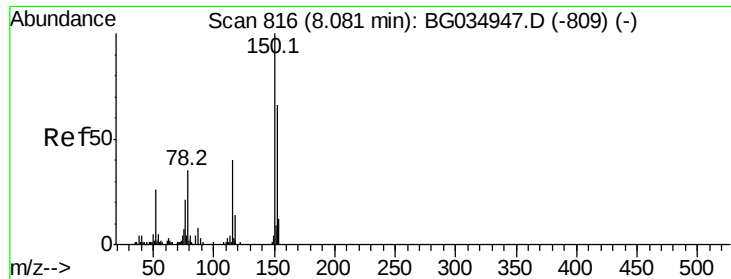
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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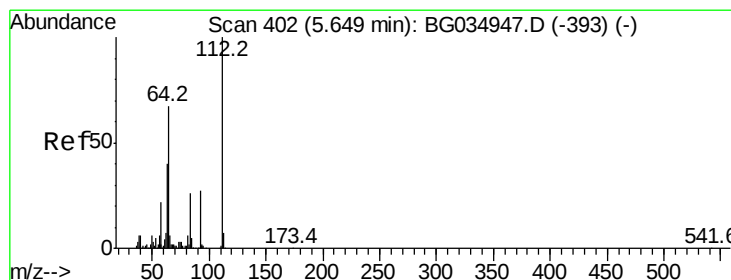
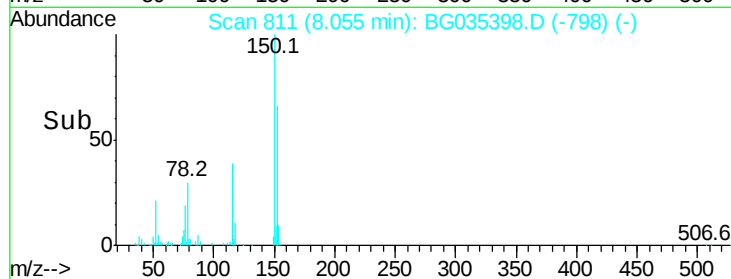
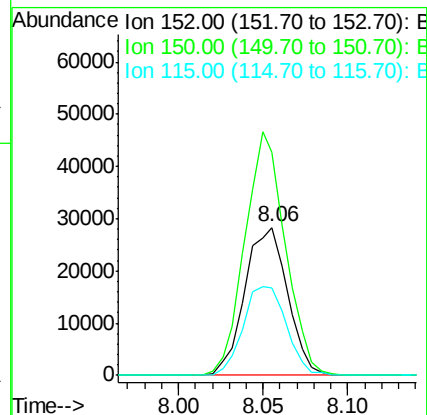
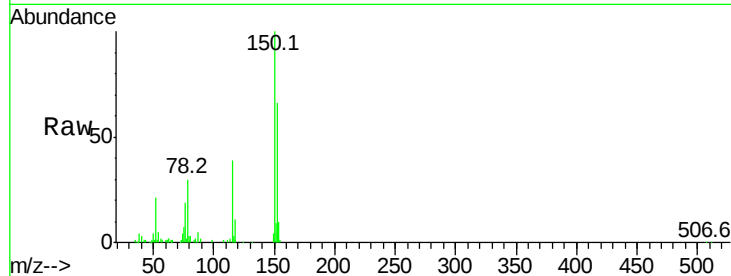


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.06 min Scan# 811  
Delta R.T. -0.02 min  
Lab File: BG035398.D  
Acq: 26 Jun 2018 5:10

Instrument :  
BNA\_G  
ClientSampleId :  
TP-1-S

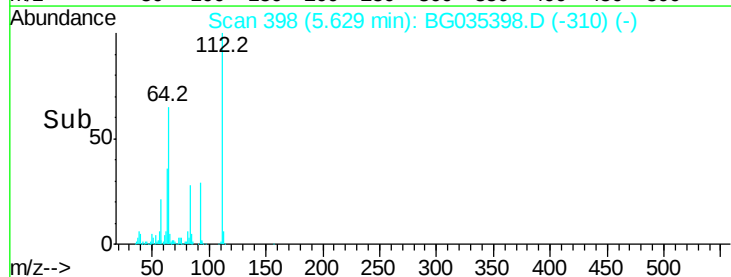
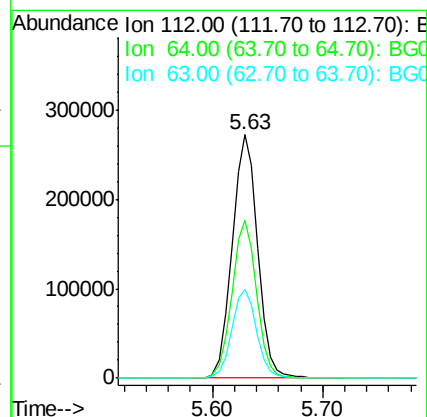
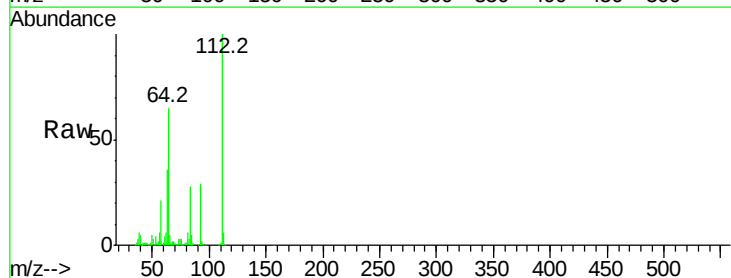
Tot Ion:152 Resp: 49828  
Ion Ratio Lower Upper  
152 100  
150 151.2 126.6 189.8  
115 58.9 53.0 79.4

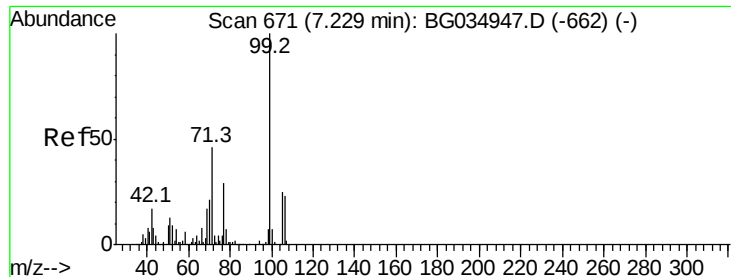


#5

2-Fluorophenol  
Concen: 148.362 ng  
RT: 5.63 min Scan# 398  
Delta R.T. -0.01 min  
Lab File: BG035398.D  
Acq: 26 Jun 2018 5:10

Tgt Ion:112 Resp: 438052  
Ion Ratio Lower Upper  
112 100  
64 64.6 56.3 84.5  
63 36.5 30.1 45.1





#7

Phenol-d6

Concen: 135.562 ng

RT: 7.22 min Scan# 668

Delta R.T. -0.01 min

Lab File: BG035398.D

Acq: 26 Jun 2018 5:10

Instrument :

BNA\_G

ClientSampleId :

TP-1-S

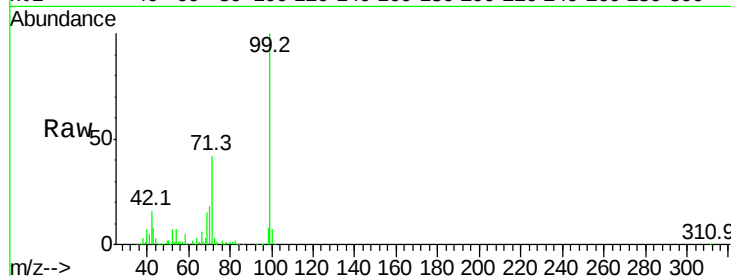
Tot Ion: 99 Resp: 590757

Ion Ratio Lower Upper

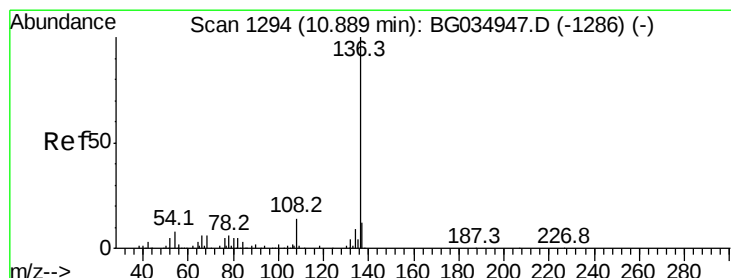
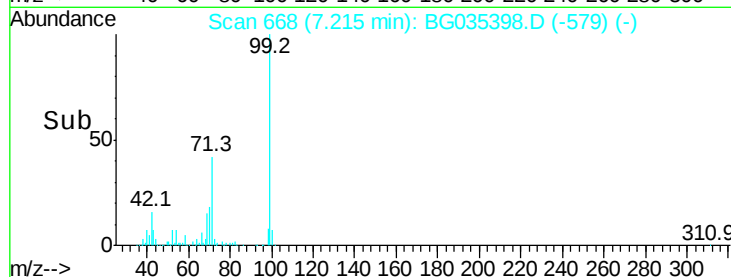
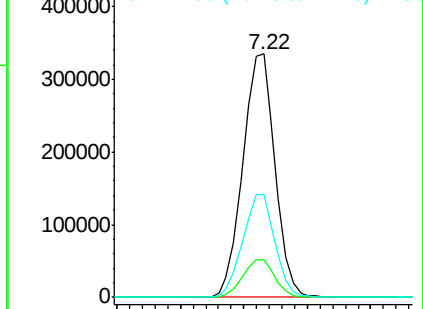
99 100

42 15.6 14.1 21.1

71 42.3 26.1 39.1#



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: 10.86 min Scan# 1288

Delta R.T. -0.03 min

Lab File: BG035398.D

Acq: 26 Jun 2018 5:10

Tgt Ion: 136 Resp: 187295

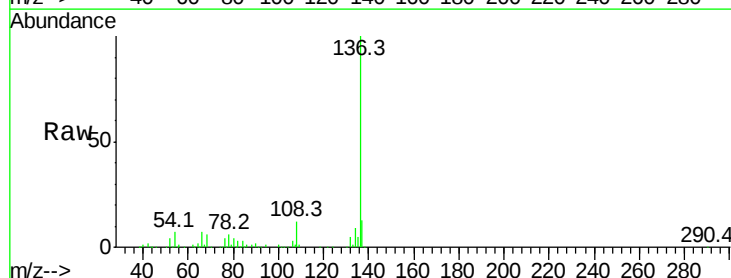
Ion Ratio Lower Upper

136 100

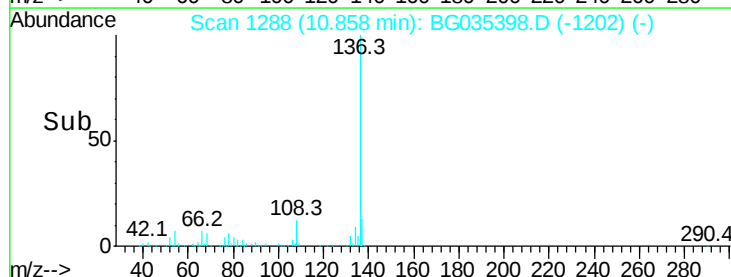
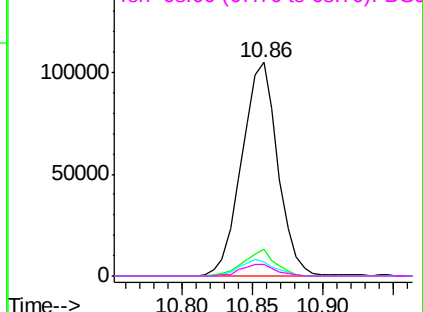
137 12.7 9.2 13.8

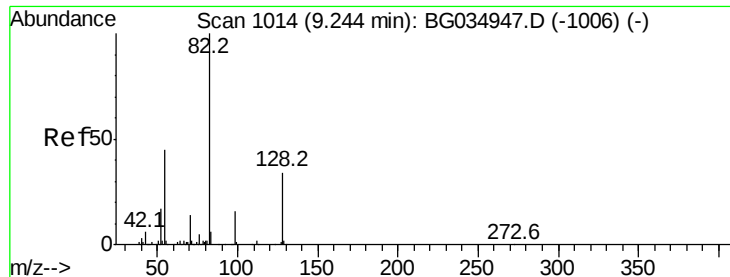
54 6.8 10.3 15.5#

68 5.5 4.5 6.7



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

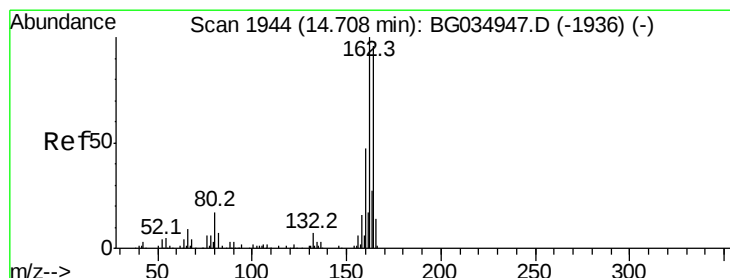
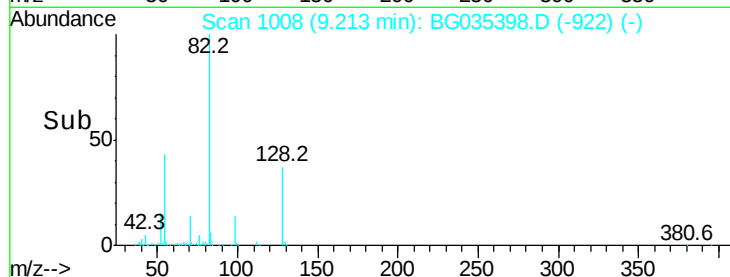
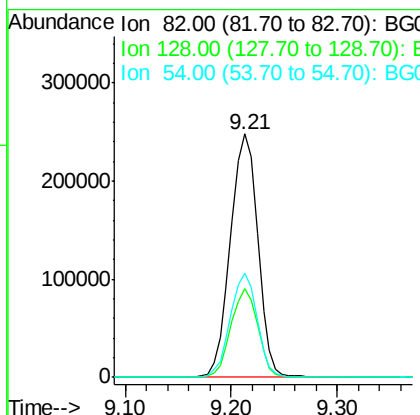
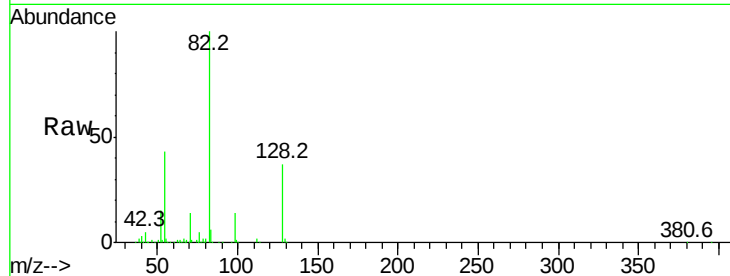




#23  
 Nitrobenzene-d5  
 Concen: 112.990 ng  
 RT: 9.21 min Scan# 1008  
 Delta R.T. -0.03 min  
 Lab File: BG035398.D  
 Acq: 26 Jun 2018 5:10

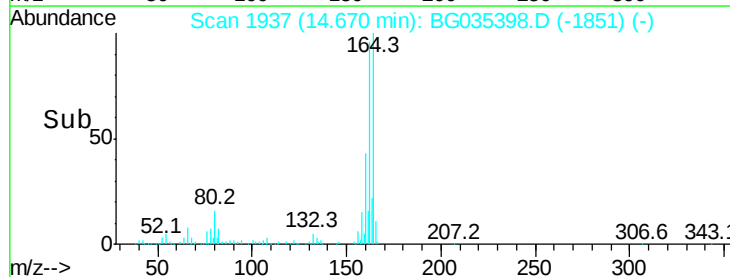
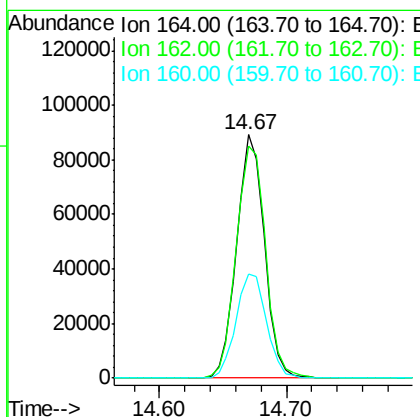
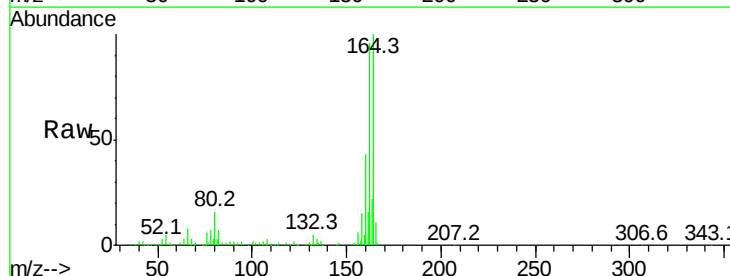
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-1-S

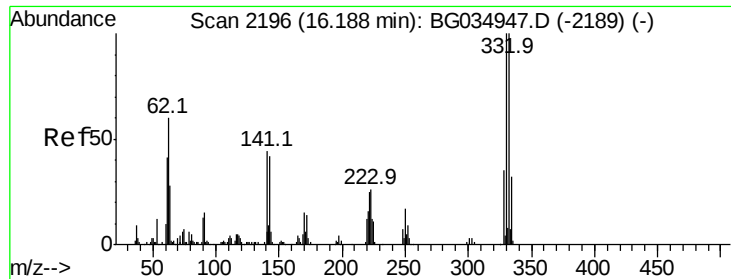
Tot Ion: 82 Resp: 445204  
 Ion Ratio Lower Upper  
 82 100  
 128 36.7 29.7 44.5  
 54 42.8 43.1 64.7#



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.67 min Scan# 1937  
 Delta R.T. -0.03 min  
 Lab File: BG035398.D  
 Acq: 26 Jun 2018 5:10

Tgt Ion:164 Resp: 134560  
 Ion Ratio Lower Upper  
 164 100  
 162 95.5 78.8 118.2  
 160 42.9 35.4 53.0

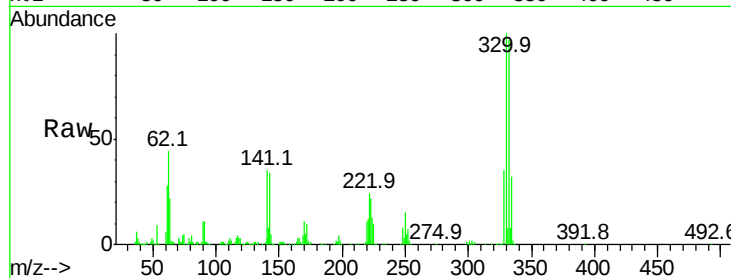




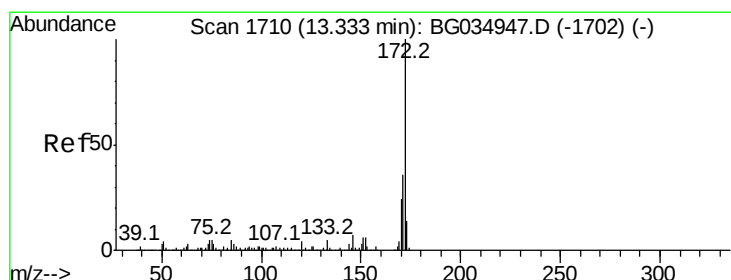
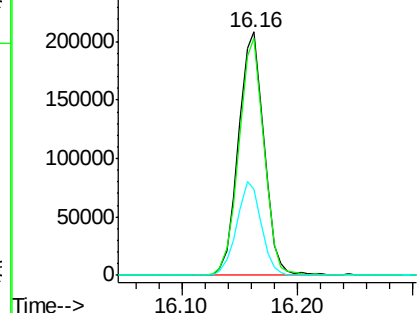
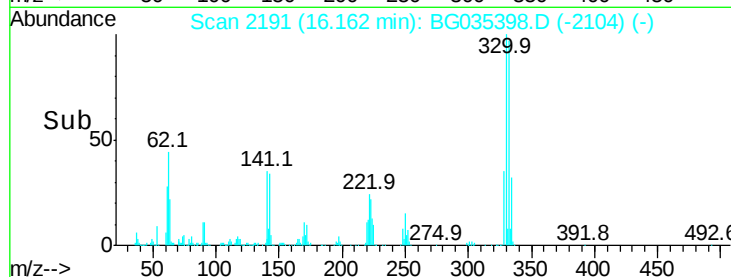
#41  
 2,4,6-Tribromophenol  
 Concen: 185.545 ng  
 RT: 16.16 min Scan# 2191  
 Delta R.T. -0.02 min  
 Lab File: BG035398.D  
 Acq: 26 Jun 2018 5:10

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-1-S

Tot Ion:330 Resp: 319609  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 77.0 115.6  
 141 37.2 25.2 37.8

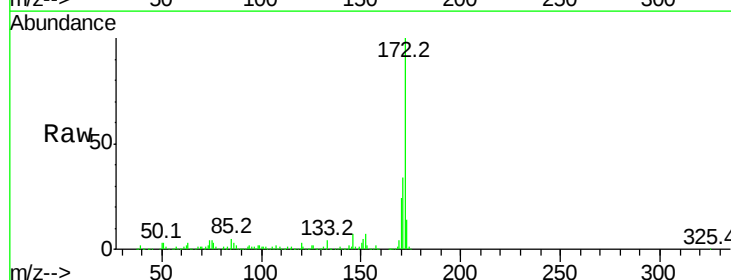


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

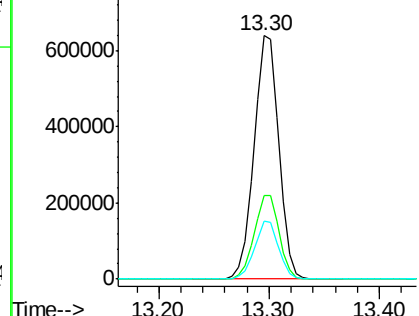
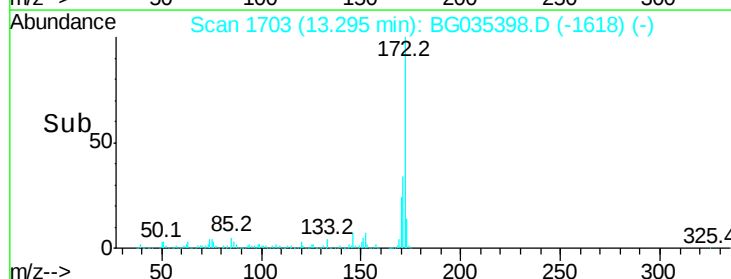


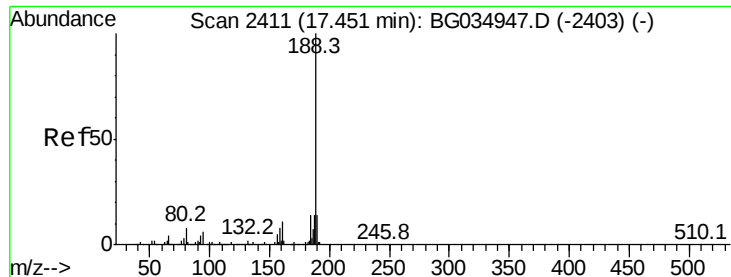
#44  
 2-Fluorobiphenyl  
 Concen: 97.242 ng  
 RT: 13.30 min Scan# 1703  
 Delta R.T. -0.03 min  
 Lab File: BG035398.D  
 Acq: 26 Jun 2018 5:10

Tgt Ion:172 Resp: 1006533  
 Ion Ratio Lower Upper  
 172 100  
 171 34.2 30.0 45.0  
 170 24.1 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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2404

Delta R.T. -0.03 min

Lab File: BG035398.D

Acq: 26 Jun 2018 5:10

Instrument :

BNA\_G

ClientSampleId :

TP-1-S

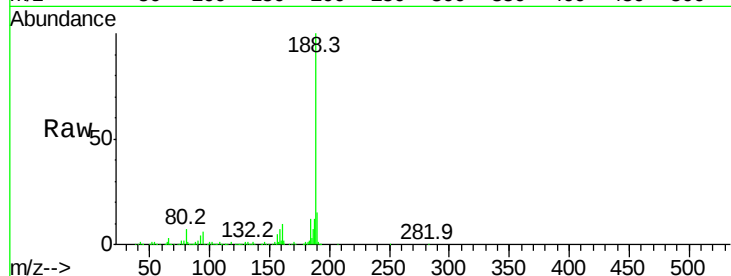
Tot Ion:188 Resp: 362200

Ion Ratio Lower Upper

188 100

94 5.7 6.9 10.3#

80 7.2 7.7 11.5#



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

17.41

250000

200000

150000

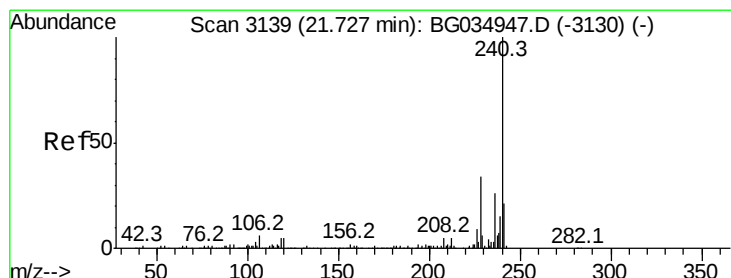
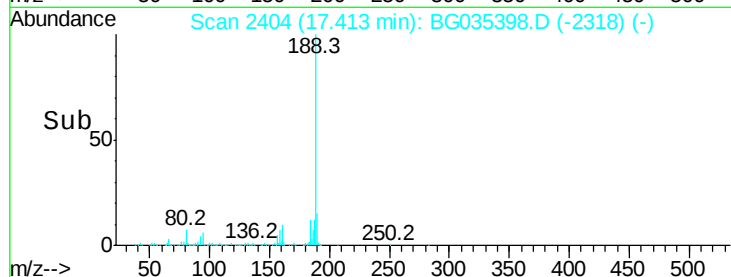
100000

50000

0

17.35 17.40 17.45 17.50

Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3130

Delta R.T. -0.04 min

Lab File: BG035398.D

Acq: 26 Jun 2018 5:10

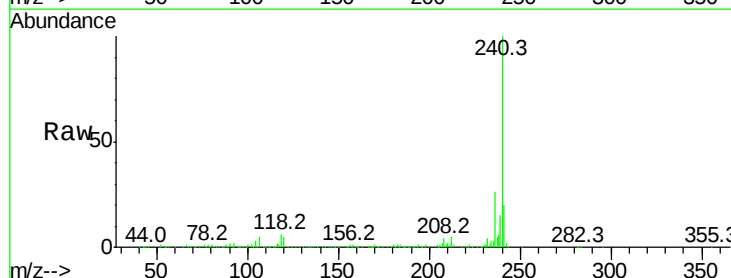
Tgt Ion:240 Resp: 398113

Ion Ratio Lower Upper

240 100

120 5.3 6.8 10.2#

236 26.0 20.9 31.3



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

21.68

300000

250000

200000

150000

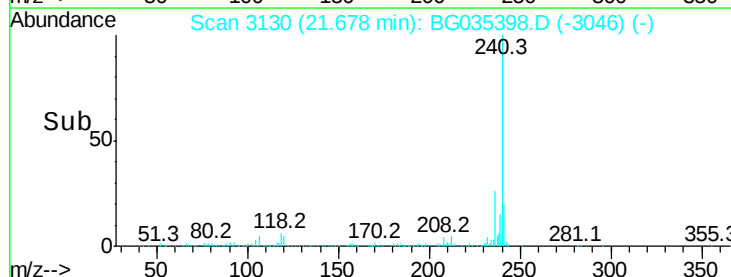
100000

50000

0

21.60 21.70 21.80

Time-->





#78

Terphenyl-d14

Concen: 98.611 ng

RT: 20.02 min Scan# 2848

Delta R.T. -0.03 min

Lab File: BG035398.D

Acq: 26 Jun 2018 5:10

Instrument :

BNA\_G

ClientSampleId :

TP-1-S

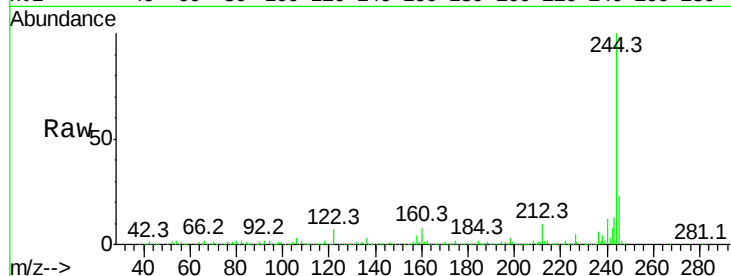
Tot Ion:244 Resp: 1874197

Ion Ratio Lower Upper

244 100

212 9.9 5.8 8.8#

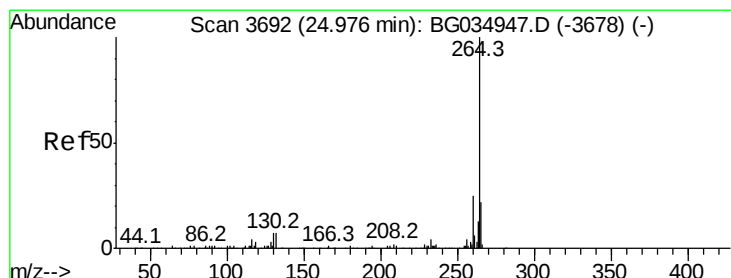
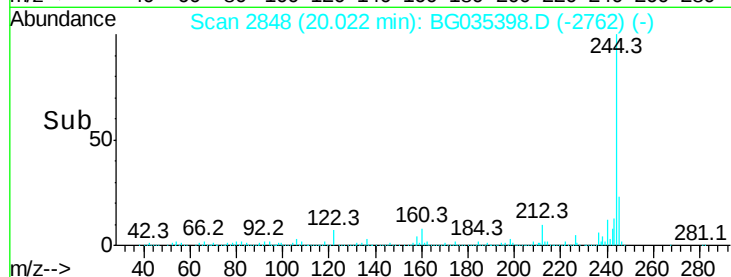
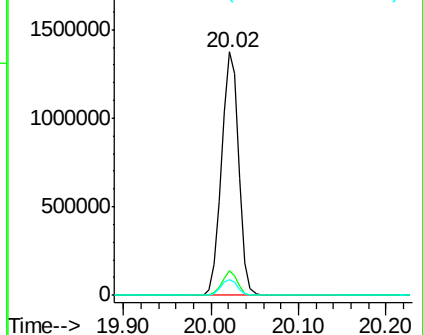
122 6.7 7.0 10.4#



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: 20.000 ng

RT: 24.90 min Scan# 3678

Delta R.T. -0.06 min

Lab File: BG035398.D

Acq: 26 Jun 2018 5:10

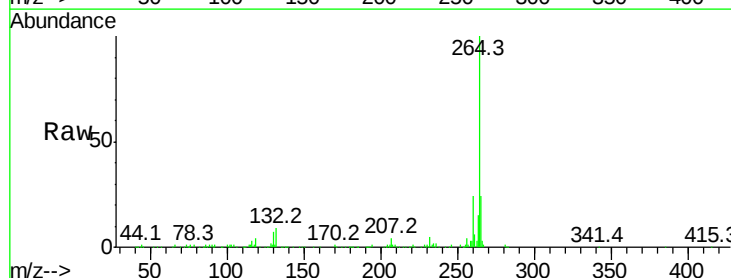
Tgt Ion:264 Resp: 357963

Ion Ratio Lower Upper

264 100

260 24.1 17.4 26.0

265 23.9 17.7 26.5



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

