

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042018\  
 Data File : BG033898.D  
 Acq On : 21 Apr 2018 00:04  
 Operator : SJ/JU  
 Sample : J2473-01  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 041818-DBRI-F-D-B

Quant Time: Apr 21 05:49:12 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 19 13:56:22 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.83  | 152  | 68348    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.62 | 136  | 293111   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.46 | 164  | 184018   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.21 | 188  | 480166   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.47 | 240  | 537003   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 24.53 | 264  | 539236   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.44  | 112  | 214588   | 50.13  | ng    | 0.00     |
| 7) Phenol-d6                | 7.00  | 99   | 176858   | 28.32  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.98  | 82   | 534094   | 103.70 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.96 | 330  | 240389   | 111.97 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.09 | 172  | 1231099  | 98.28  | ng    | -0.01    |
| 78) Terphenyl-d14           | 19.86 | 244  | 2261646  | 94.62  | ng    | 0.00     |

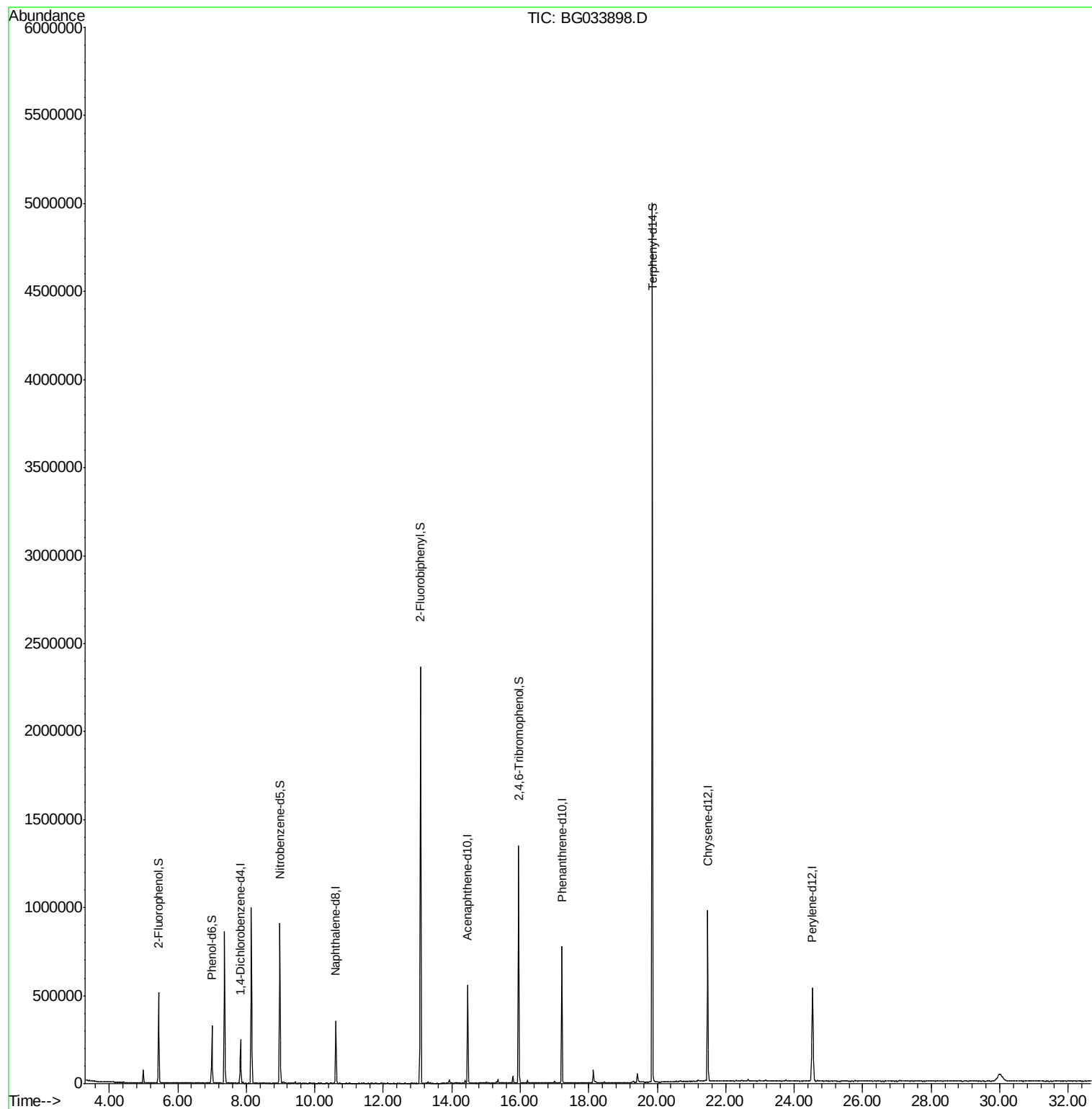
Target Compounds Qvalue

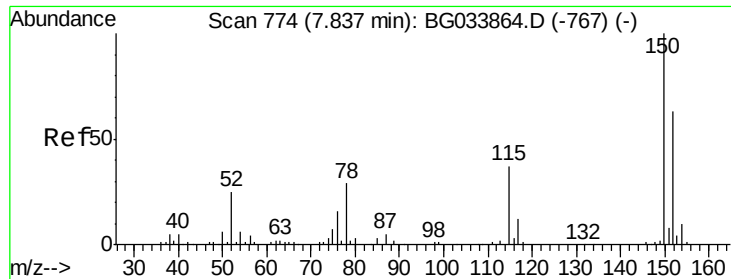
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



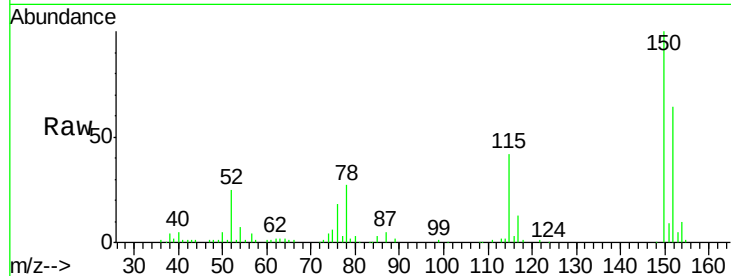


#1

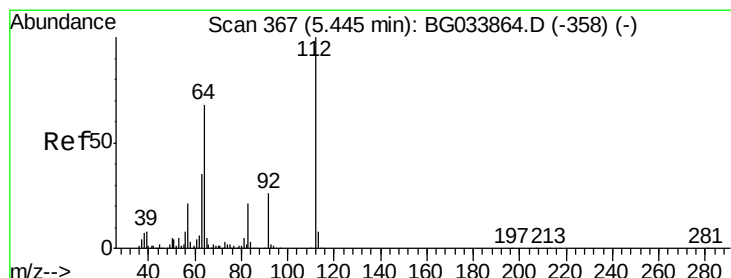
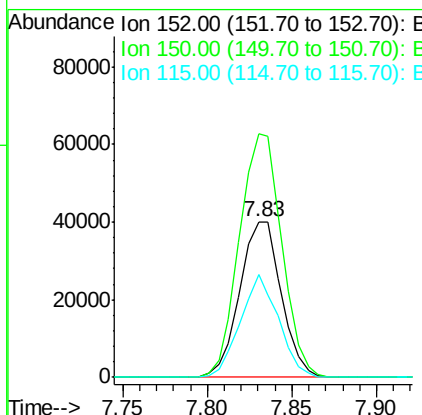
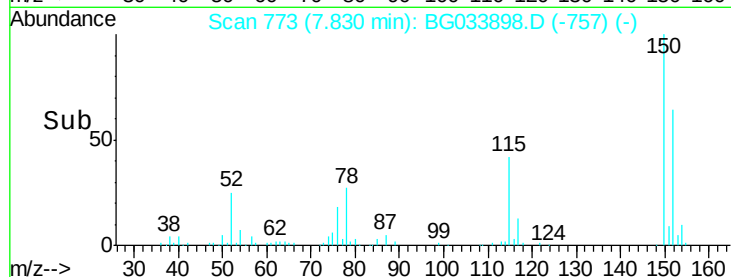
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.83 min Scan# 773  
Delta R.T. -0.01 min  
Lab File: BG033898.D  
Acq: 21 Apr 2018 00:04

Instrument :  
BNA\_G  
ClientSampleId :  
041818-DBRI-F-D-B

Tot Ion:152 Resp: 68348  
Ion Ratio Lower Upper  
152 100  
150 156.2 126.6 189.8  
115 65.6 53.0 79.4



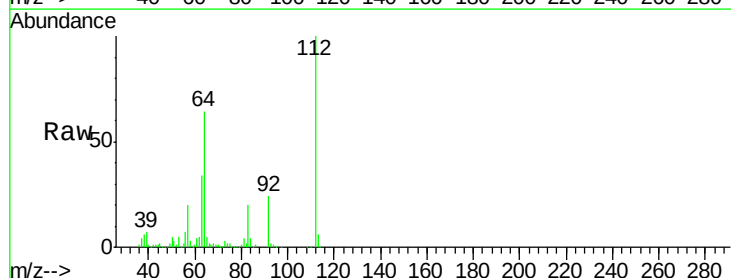
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



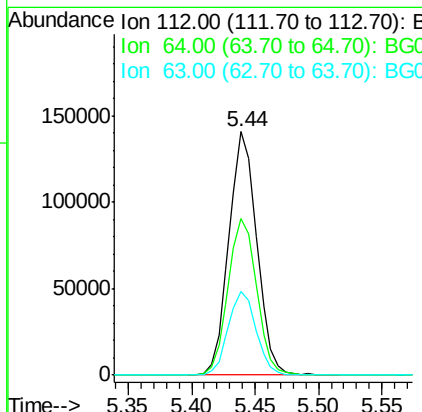
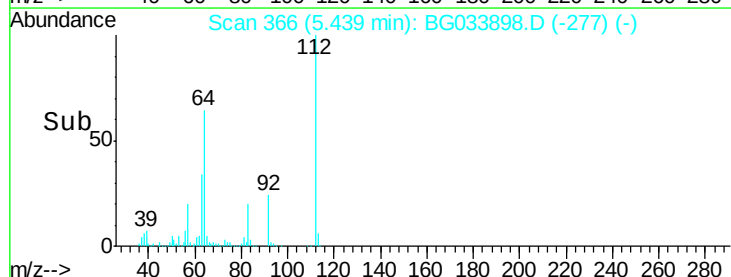
#5

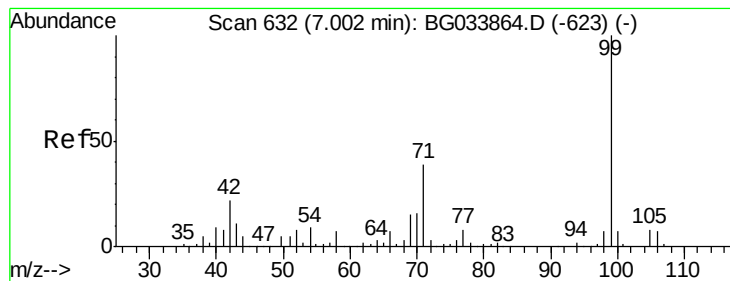
2-Fluorophenol  
Concen: 50.125 ng  
RT: 5.44 min Scan# 366  
Delta R.T. -0.01 min  
Lab File: BG033898.D  
Acq: 21 Apr 2018 00:04

Tgt Ion:112 Resp: 214588  
Ion Ratio Lower Upper  
112 100  
64 64.4 56.3 84.5  
63 34.2 30.1 45.1



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: 28.324 ng

RT: 7.00 min Scan# 631

Delta R.T. -0.01 min

Lab File: BG033898.D

Acq: 21 Apr 2018 00:04

Instrument :

BNA\_G

ClientSampleId :

041818-DBRI-F-D-B

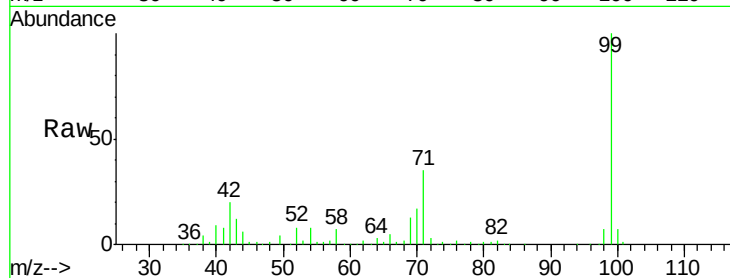
Tot Ion: 99 Resp: 176858

Ion Ratio Lower Upper

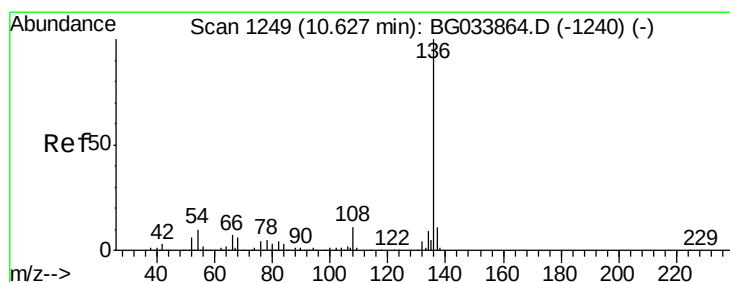
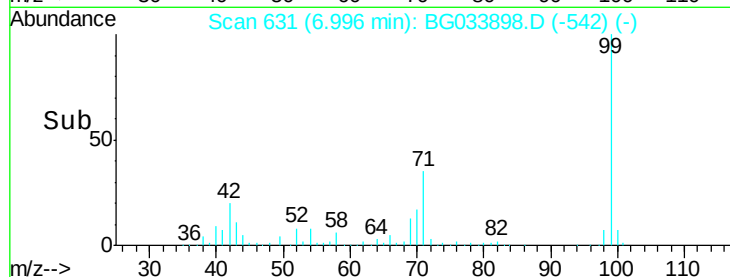
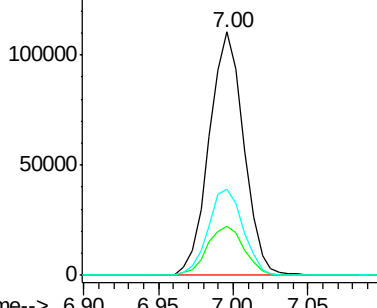
99 100

42 20.3 14.1 21.1

71 35.2 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: 10.62 min Scan# 1247

Delta R.T. -0.01 min

Lab File: BG033898.D

Acq: 21 Apr 2018 00:04

Tgt Ion: 136 Resp: 293111

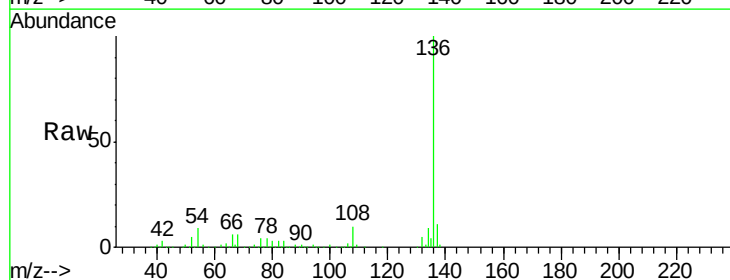
Ion Ratio Lower Upper

136 100

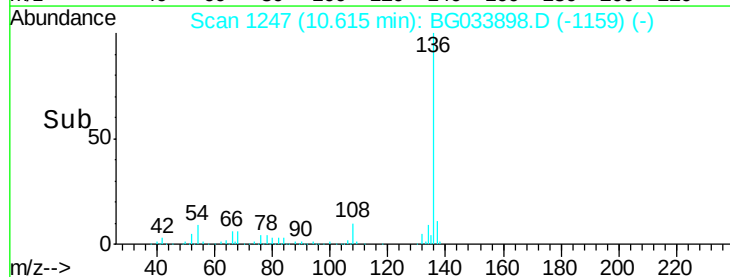
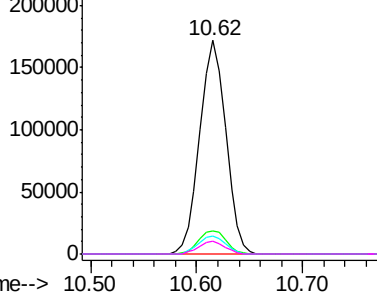
137 10.8 9.2 13.8

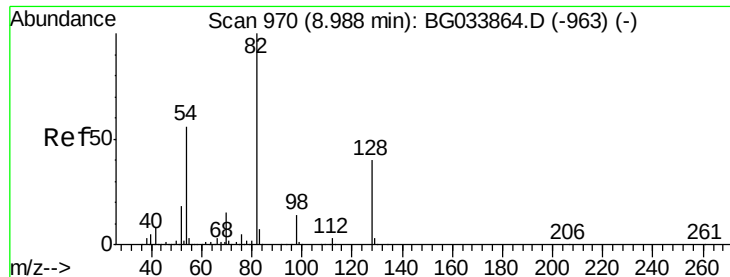
54 8.7 10.3 15.5#

68 6.1 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: 103.698 ng

RT: 8.98 min Scan# 969

Delta R.T. -0.01 min

Lab File: BG033898.D

Acq: 21 Apr 2018 00:04

Instrument :

BNA\_G

ClientSampleId :

041818-DBRI-F-D-B

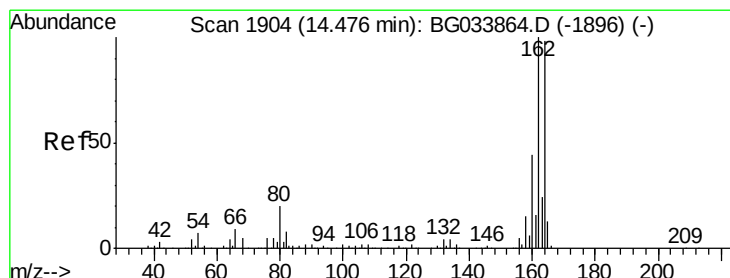
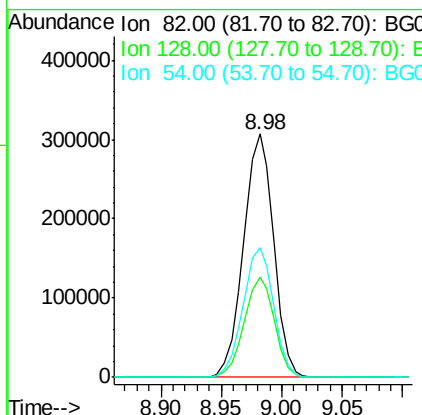
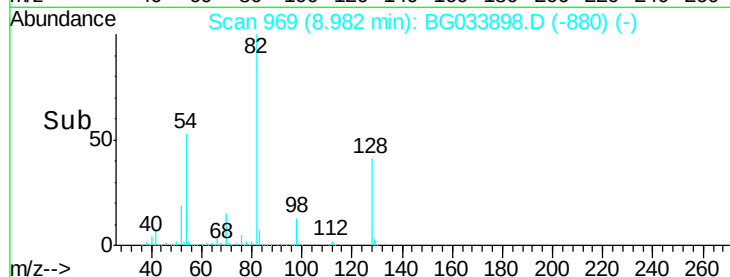
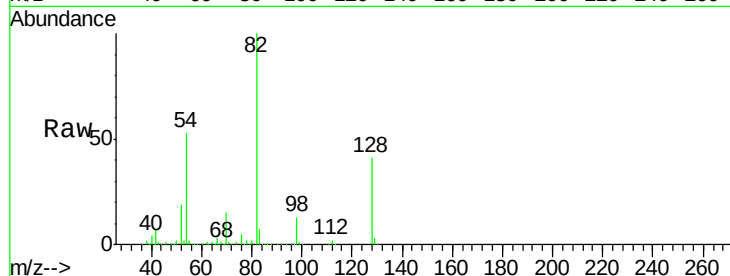
Tot Ion: 82 Resp: 534094

Ion Ratio Lower Upper

82 100

128 41.1 29.7 44.5

54 53.2 43.1 64.7



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.46 min Scan# 1902

Delta R.T. -0.01 min

Lab File: BG033898.D

Acq: 21 Apr 2018 00:04

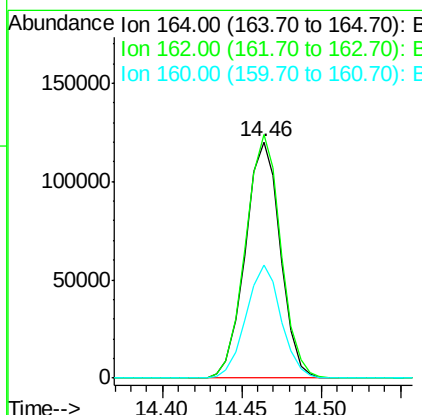
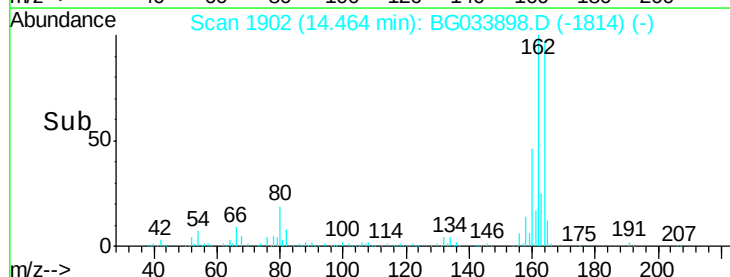
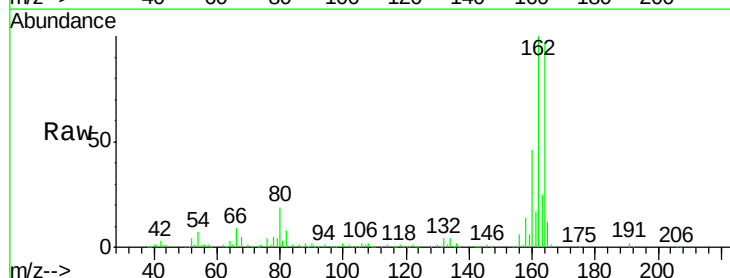
Tgt Ion: 164 Resp: 184018

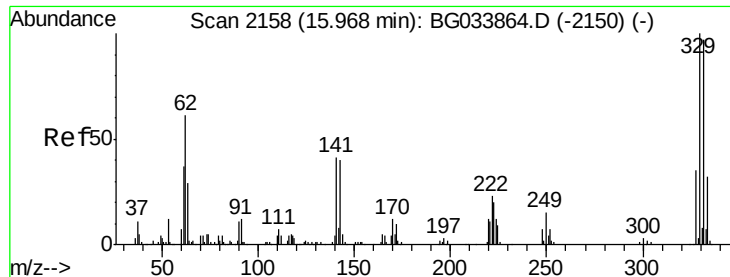
Ion Ratio Lower Upper

164 100

162 103.1 78.8 118.2

160 47.7 35.4 53.0

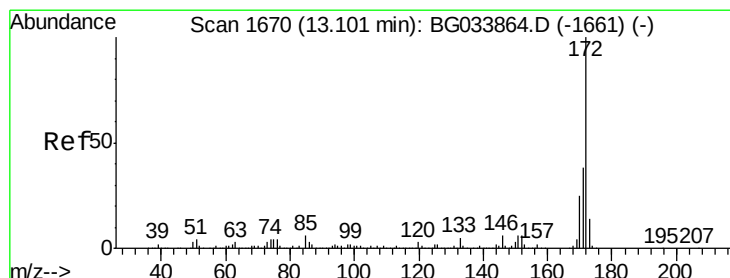
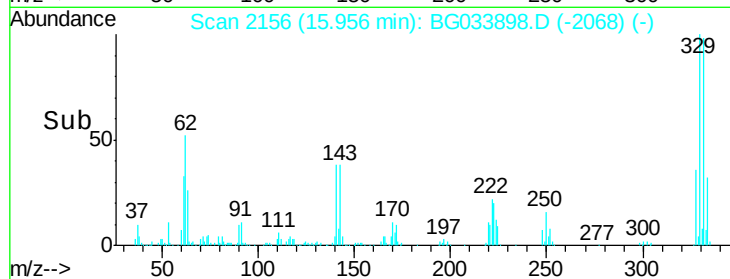
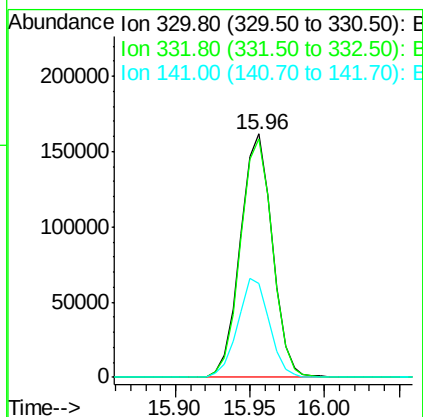
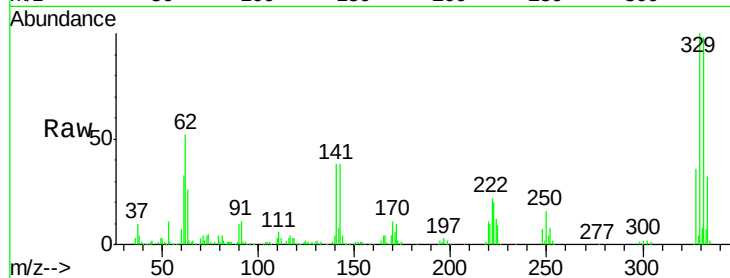




#41  
 2,4,6-Tribromophenol  
 Concen: 111.972 ng  
 RT: 15.96 min Scan# 2156  
 Delta R.T. -0.01 min  
 Lab File: BG033898.D  
 Acq: 21 Apr 2018 00:04

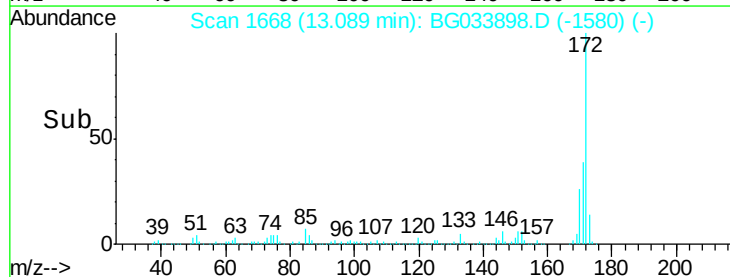
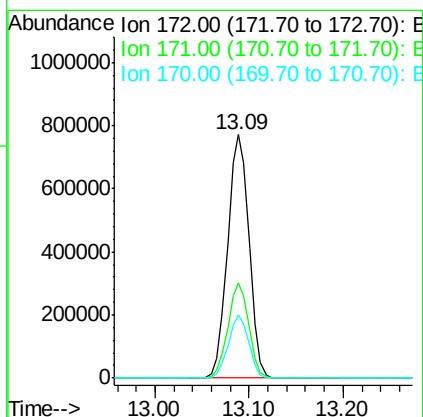
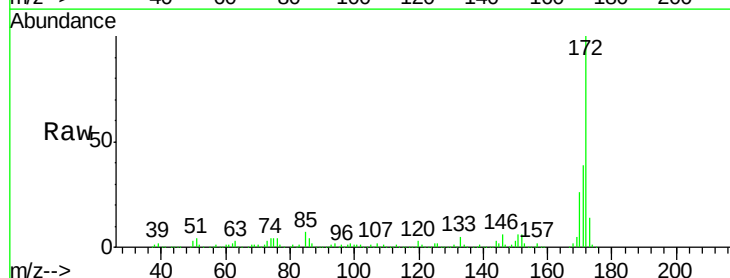
Instrument :  
 BNA\_G  
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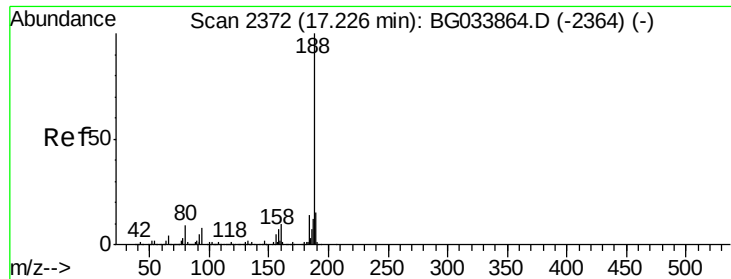
Tot Ion:330 Resp: 240389  
 Ion Ratio Lower Upper  
 330 100  
 332 97.8 77.0 115.6  
 141 40.2 25.2 37.8#



#44  
 2-Fluorobiphenyl  
 Concen: 98.279 ng  
 RT: 13.09 min Scan# 1668  
 Delta R.T. -0.01 min  
 Lab File: BG033898.D  
 Acq: 21 Apr 2018 00:04

Tgt Ion:172 Resp: 1231099  
 Ion Ratio Lower Upper  
 172 100  
 171 39.1 30.0 45.0  
 170 25.8 19.5 29.3





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.21 min Scan# 2370

Delta R.T. -0.01 min

Lab File: BG033898.D

Acq: 21 Apr 2018 00:04

Instrument :

BNA\_G

ClientSampleId :

041818-DBRI-F-D-B

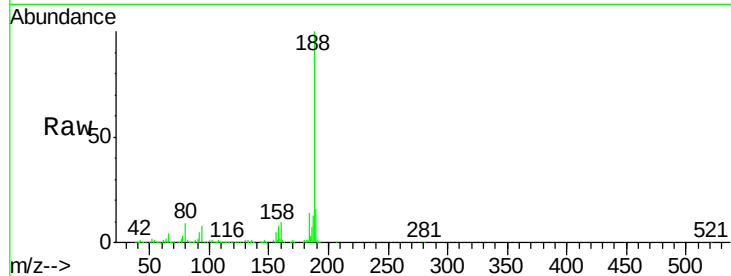
Tot Ion:188 Resp: 480166

Ion Ratio Lower Upper

188 100

94 8.0 6.9 10.3

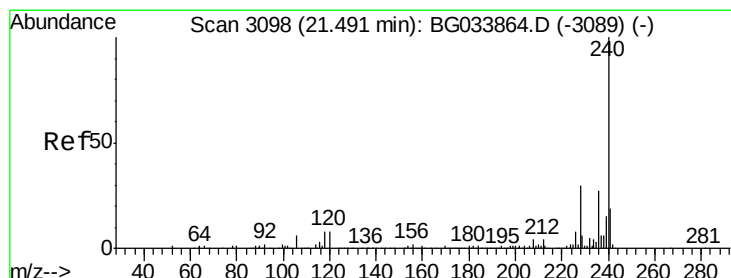
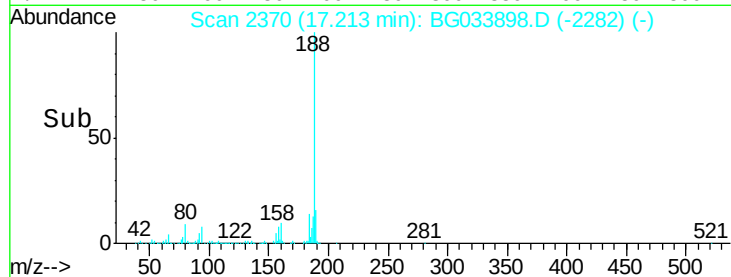
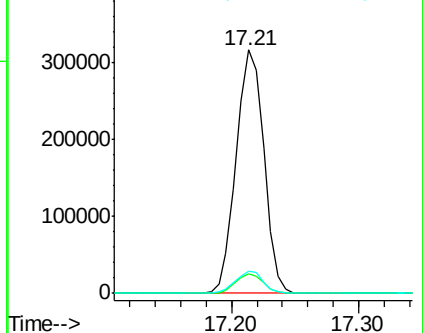
80 9.1 7.7 11.5



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.47 min Scan# 3095

Delta R.T. -0.02 min

Lab File: BG033898.D

Acq: 21 Apr 2018 00:04

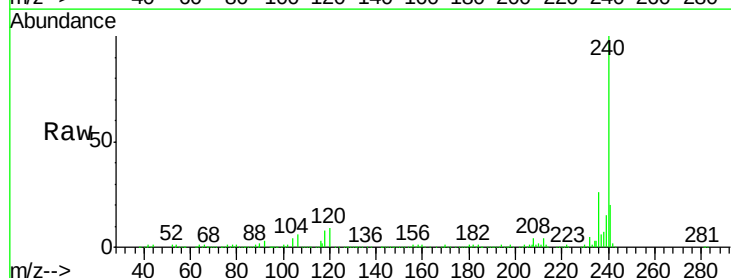
Tgt Ion:240 Resp: 537003

Ion Ratio Lower Upper

240 100

120 9.0 6.8 10.2

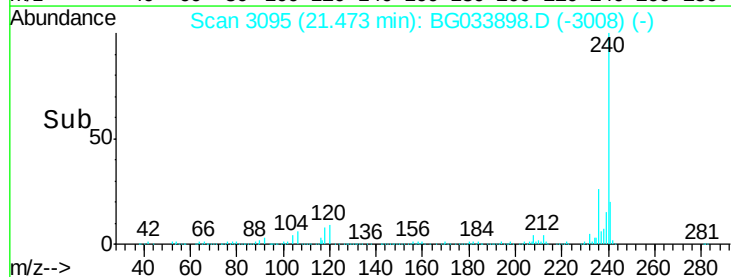
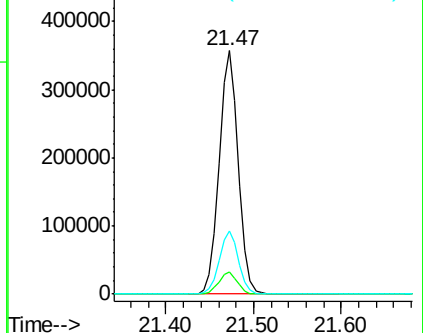
236 25.8 20.9 31.3

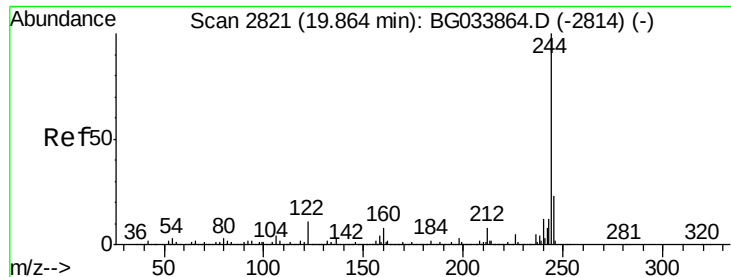


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 94.619 ng

RT: 19.86 min Scan# 2820

Delta R.T. -0.01 min

Lab File: BG033898.D

Acq: 21 Apr 2018 00:04

Instrument :

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ClientSampleId :

041818-DBRI-F-D-B

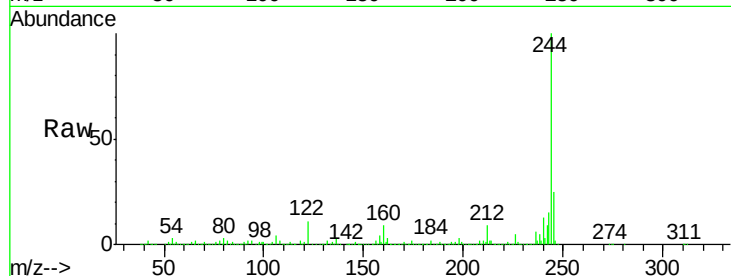
Tot Ion:244 Resp: 2261646

Ion Ratio Lower Upper

244 100

212 9.4 5.8 8.8#

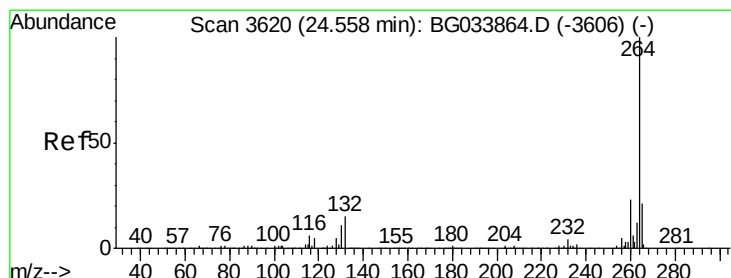
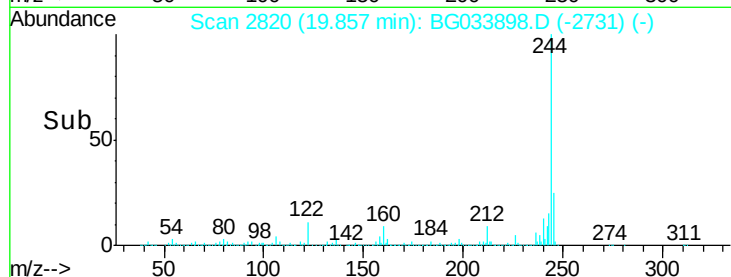
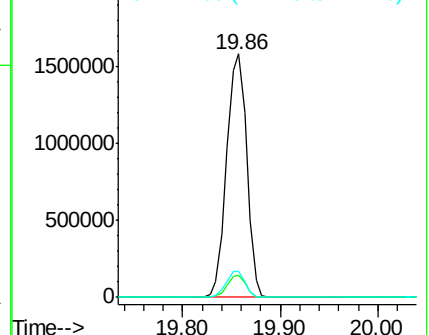
122 10.8 7.0 10.4#



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: 24.53 min Scan# 3616

Delta R.T. -0.02 min

Lab File: BG033898.D

Acq: 21 Apr 2018 00:04

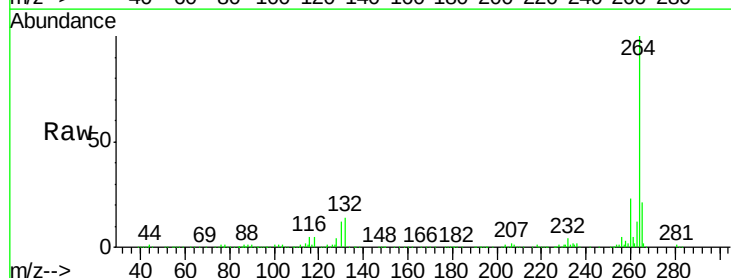
Tgt Ion:264 Resp: 539236

Ion Ratio Lower Upper

264 100

260 23.4 17.4 26.0

265 21.3 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

