

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030118\  
 Data File : BG032932.D  
 Acq On : 2 Mar 2018 00:32  
 Operator : SJ/JU  
 Sample : PB106984BL  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB106984BL

Quant Time: Mar 02 10:44:36 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 01 17:38:52 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.92  | 152  | 59172    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.81 | 136  | 260906   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.54 | 164  | 148452   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 18.26 | 188  | 357721   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.62 | 240  | 346324   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 26.44 | 264  | 332156   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.33  | 112  | 494276   | 133.64 | ng    | 0.00     |
| 7) Phenol-d6                | 8.01  | 99   | 640108   | 124.16 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 10.12 | 82   | 368186   | 96.42  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 17.00 | 330  | 134863   | 86.40  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 14.16 | 172  | 836345   | 81.25  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.78 | 244  | 1311099  | 85.06  | ng    | 0.00     |

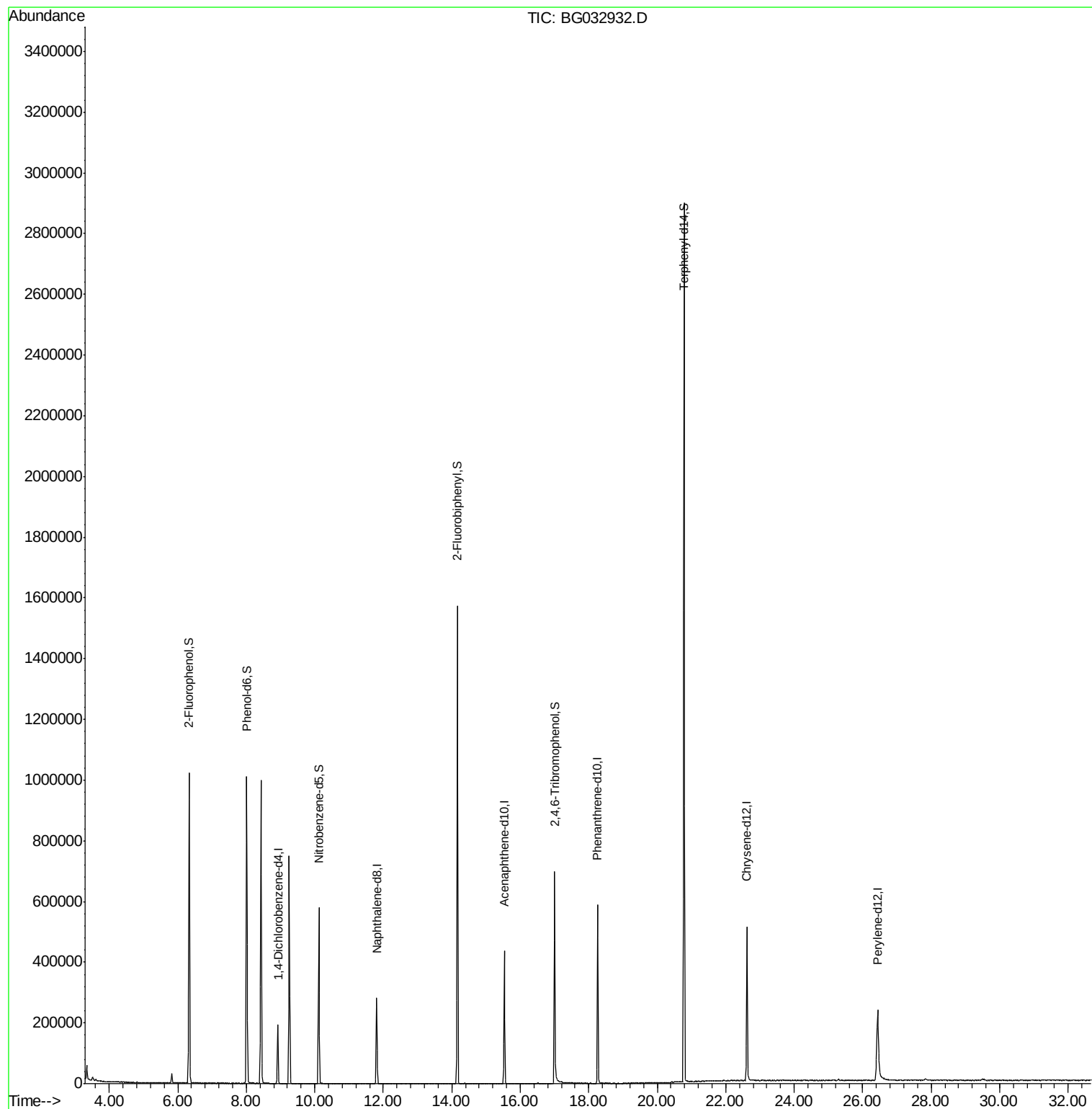
Target Compounds Qvalue

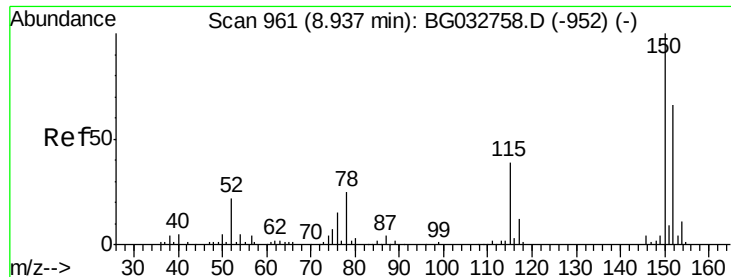
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 01 17:38:52 2018  
Response via : Initial Calibration



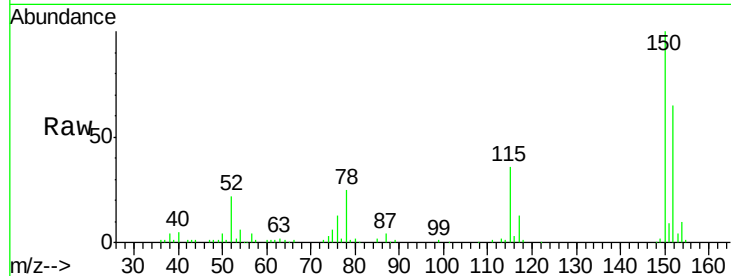


#1

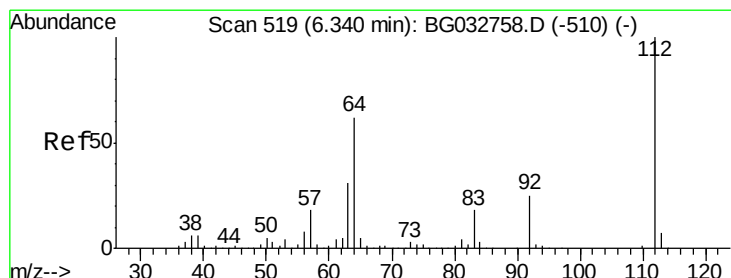
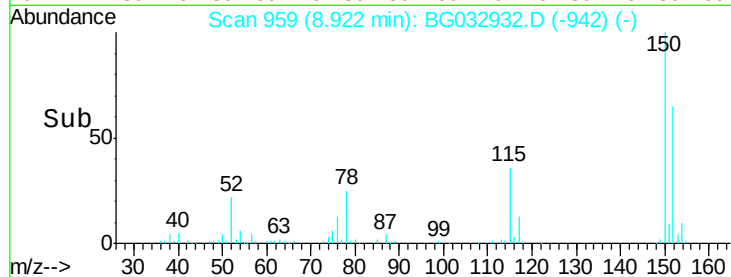
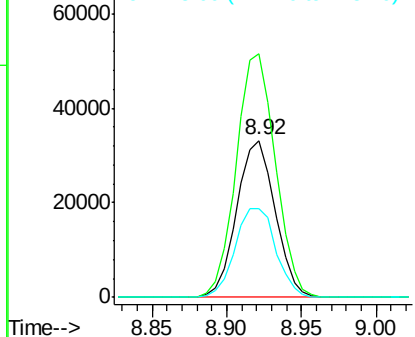
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.92 min Scan# 959  
Delta R.T. 0.00 min  
Lab File: BG032932.D  
Acq: 2 Mar 2018 00:32

Instrument :  
BNA\_G  
ClientSampleId :  
PB106984BL

Tot Ion:152 Resp: 59172  
Ion Ratio Lower Upper  
152 100  
150 155.0 126.6 189.8  
115 56.1 53.0 79.4



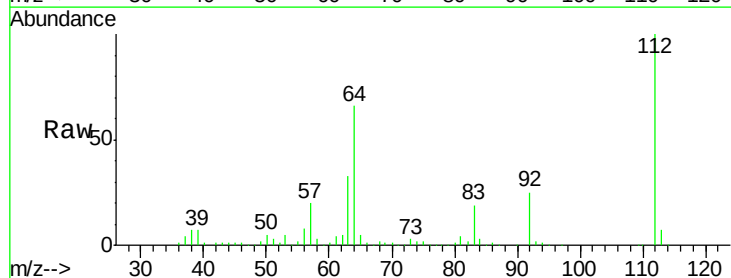
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



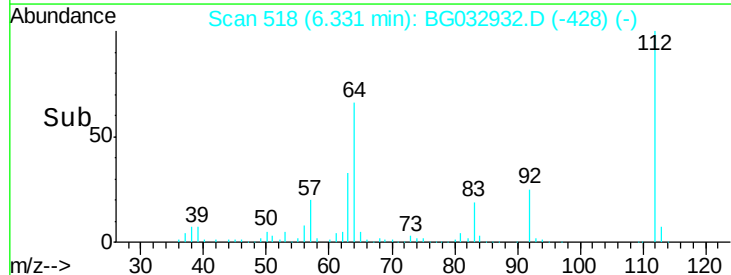
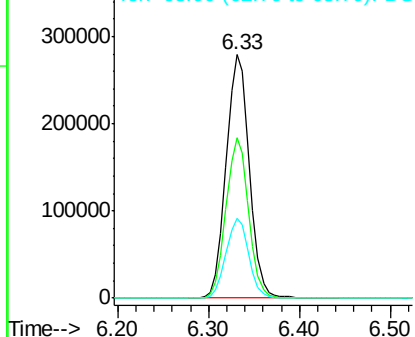
#5

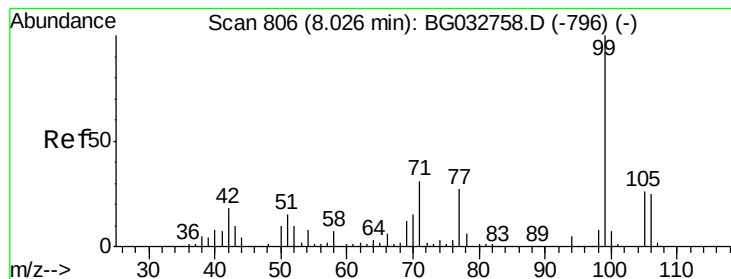
2-Fluorophenol  
Concen: 133.639 ng  
RT: 6.33 min Scan# 518  
Delta R.T. 0.00 min  
Lab File: BG032932.D  
Acq: 2 Mar 2018 00:32

Tgt Ion:112 Resp: 494276  
Ion Ratio Lower Upper  
112 100  
64 66.1 56.3 84.5  
63 32.7 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: 124.165 ng

RT: 8.01 min Scan# 804

Delta R.T. -0.01 min

Lab File: BG032932.D

Acq: 2 Mar 2018 00:32

Instrument :

BNA\_G

ClientSampleId :

PB106984BL

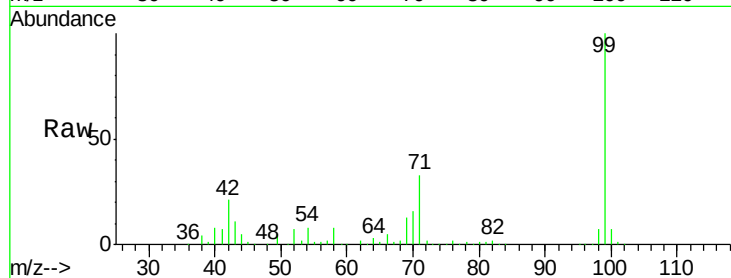
Tot Ion: 99 Resp: 640108

Ion Ratio Lower Upper

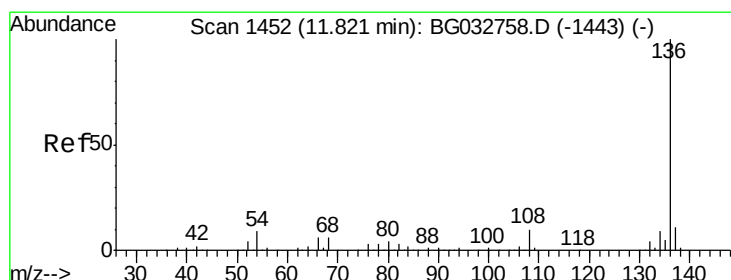
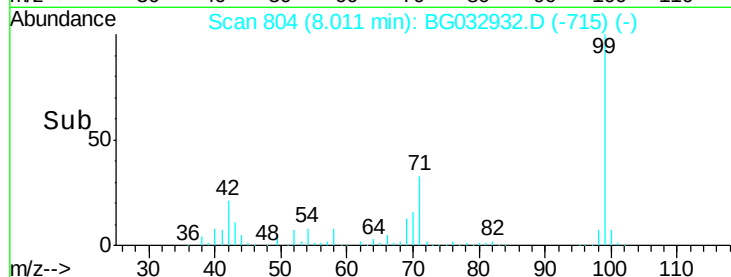
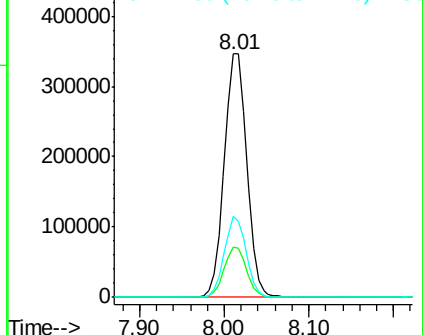
99 100

42 20.5 14.1 21.1

71 33.2 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: 11.81 min Scan# 1450

Delta R.T. 0.00 min

Lab File: BG032932.D

Acq: 2 Mar 2018 00:32

Tgt Ion: 136 Resp: 260906

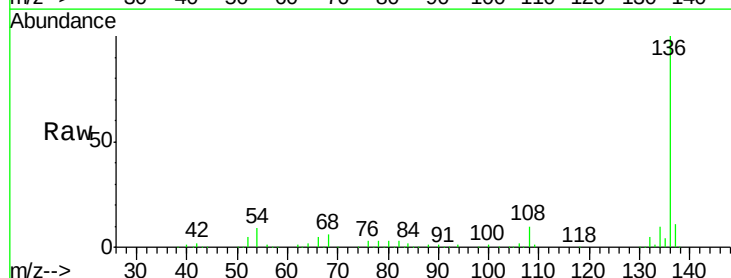
Ion Ratio Lower Upper

136 100

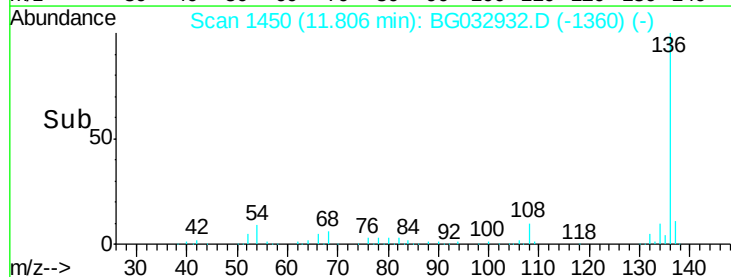
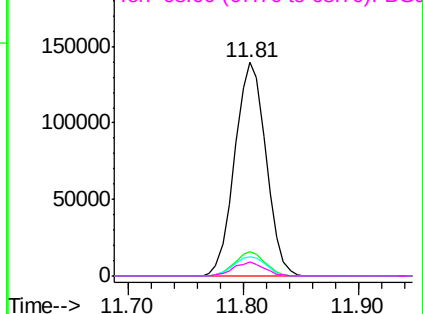
137 11.2 9.2 13.8

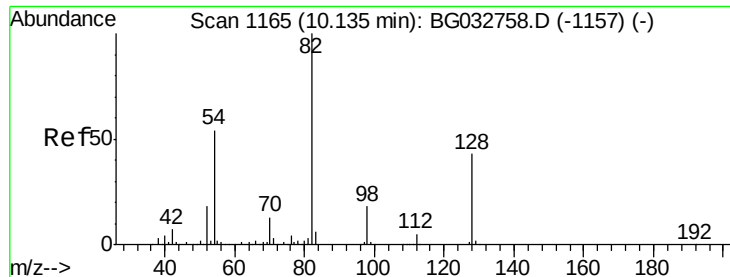
54 8.9 10.3 15.5#

68 6.3 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: 96.421 ng

RT: 10.12 min Scan# 1163

Delta R.T. 0.00 min

Lab File: BG032932.D

Acq: 2 Mar 2018 00:32

Instrument :

BNA\_G

ClientSampleId :

PB106984BL

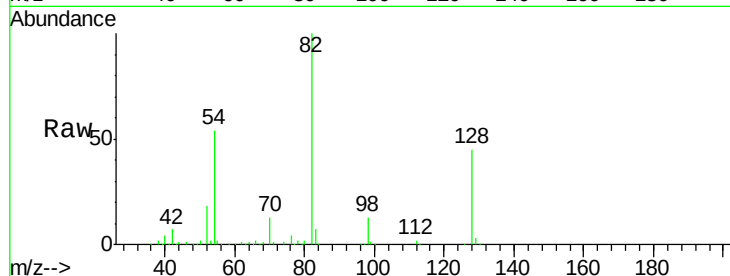
Tot Ion: 82 Resp: 368186

Ion Ratio Lower Upper

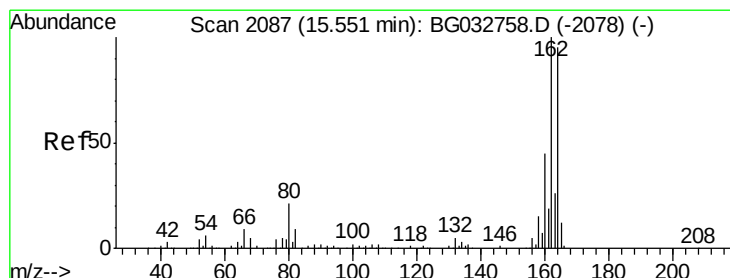
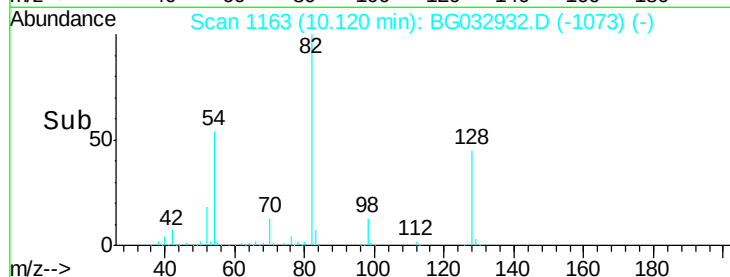
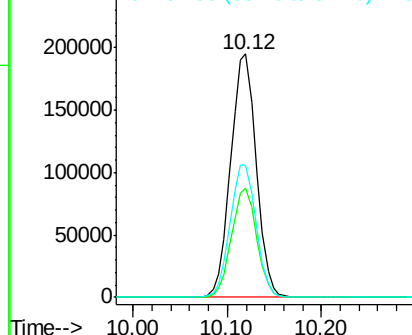
82 100

128 44.7 29.7 44.5#

54 54.4 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.54 min Scan# 2085

Delta R.T. 0.00 min

Lab File: BG032932.D

Acq: 2 Mar 2018 00:32

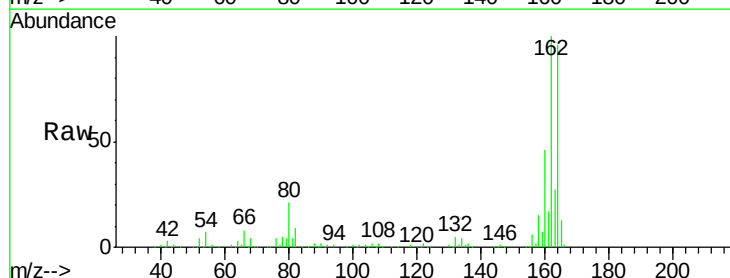
Tgt Ion: 164 Resp: 148452

Ion Ratio Lower Upper

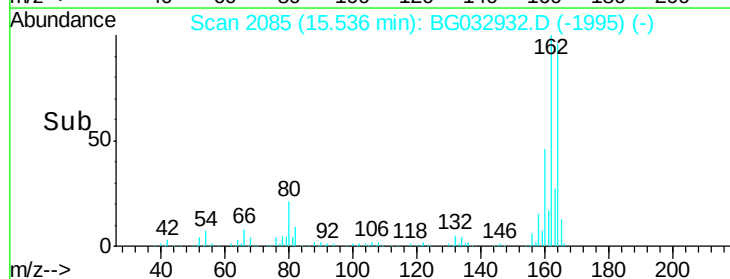
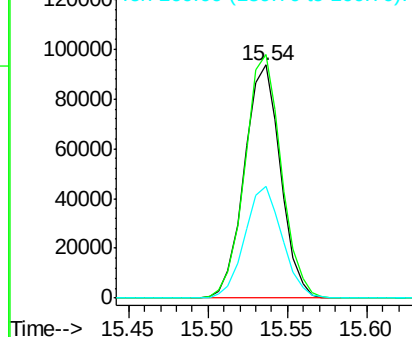
164 100

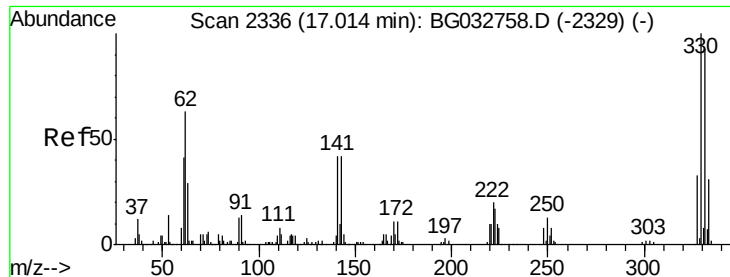
162 104.6 78.8 118.2

160 48.0 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): BGC  
Ion 162.00 (161.70 to 162.70): BGC  
Ion 160.00 (159.70 to 160.70): BGC

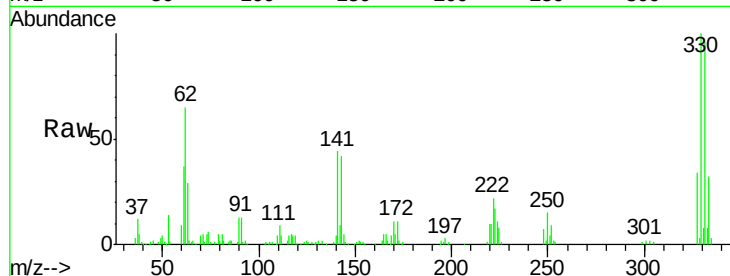




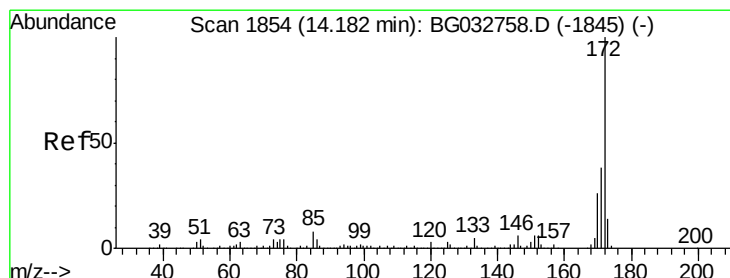
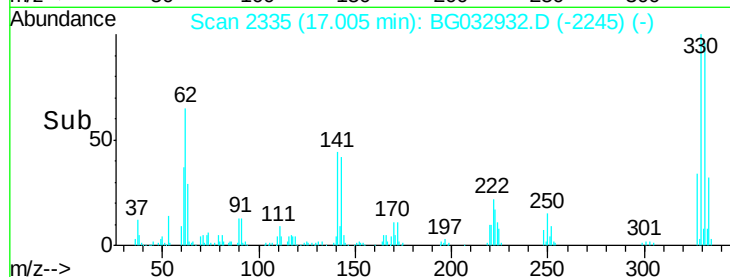
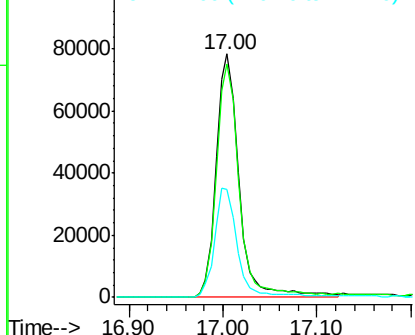
#41  
 2,4,6-Tribromophenol  
 Concen: 86.400 ng  
 RT: 17.00 min Scan# 2335  
 Delta R.T. 0.00 min  
 Lab File: BG032932.D  
 Acq: 2 Mar 2018 00:32

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB106984BL

Tot Ion:330 Resp: 134863  
 Ion Ratio Lower Upper  
 330 100  
 332 94.6 77.0 115.6  
 141 44.8 25.2 37.8#

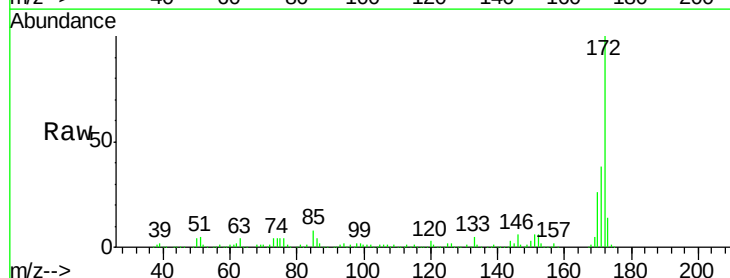


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

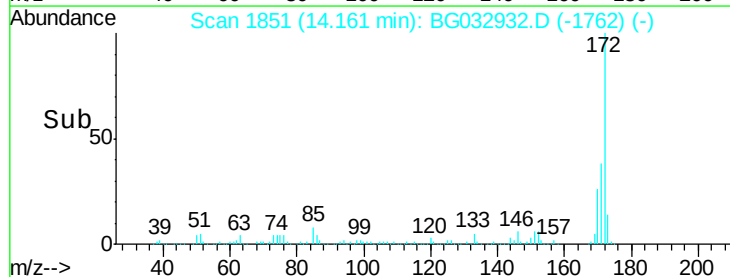
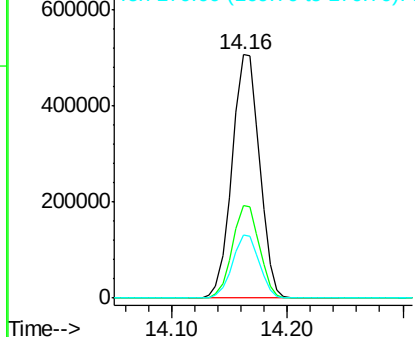


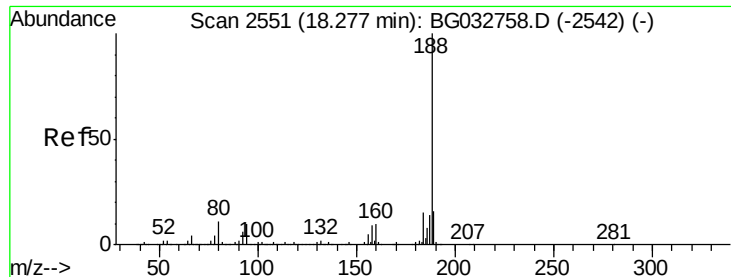
#44  
 2-Fluorobiphenyl  
 Concen: 81.253 ng  
 RT: 14.16 min Scan# 1851  
 Delta R.T. -0.01 min  
 Lab File: BG032932.D  
 Acq: 2 Mar 2018 00:32

Tgt Ion:172 Resp: 836345  
 Ion Ratio Lower Upper  
 172 100  
 171 37.9 30.0 45.0  
 170 25.7 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

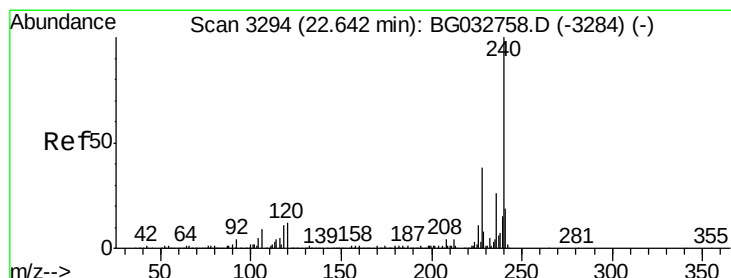
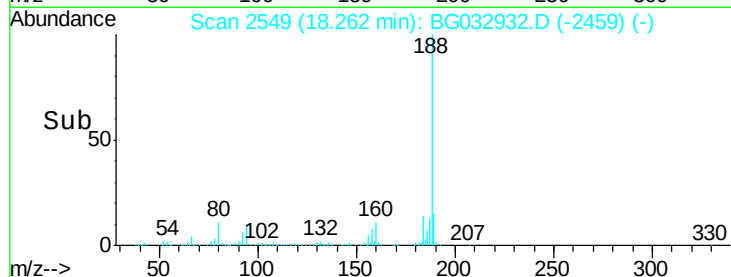
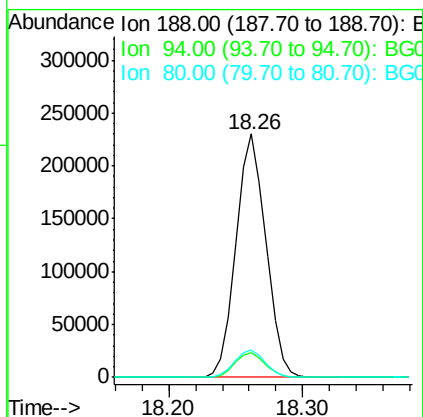
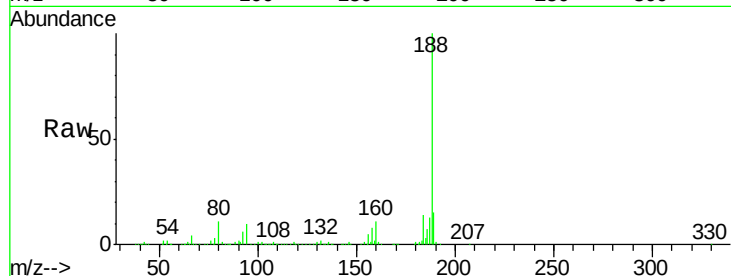




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.26 min Scan# 2549  
Delta R.T. 0.00 min  
Lab File: BG032932.D  
Acq: 2 Mar 2018 00:32

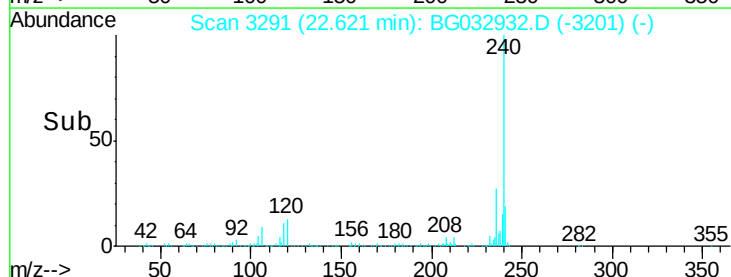
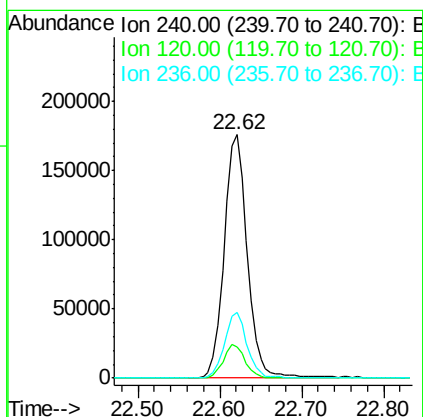
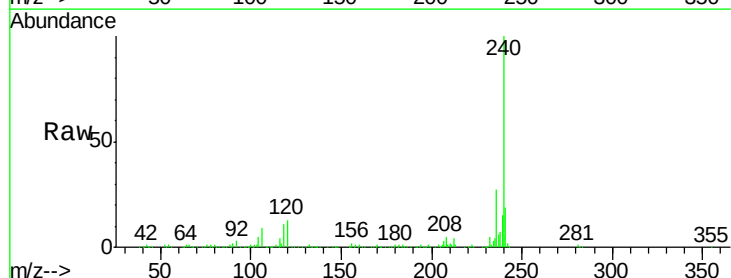
Instrument :  
BNA\_G  
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PB106984BL

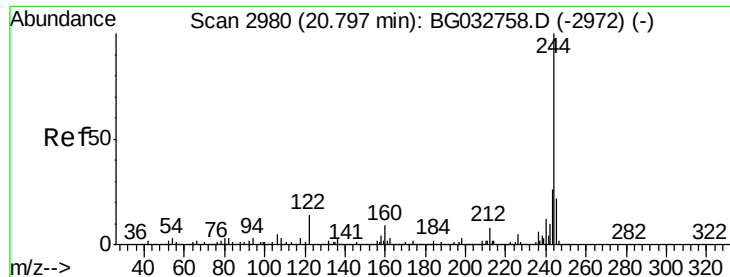
Tot Ion:188 Resp: 357721  
Ion Ratio Lower Upper  
188 100  
94 10.4 6.9 10.3#  
80 11.2 7.7 11.5



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.62 min Scan# 3291  
Delta R.T. 0.00 min  
Lab File: BG032932.D  
Acq: 2 Mar 2018 00:32

Tgt Ion:240 Resp: 346324  
Ion Ratio Lower Upper  
240 100  
120 12.6 6.8 10.2#  
236 26.9 20.9 31.3





#78

Terphenyl-d14

Concen: 85.056 ng

RT: 20.78 min Scan# 2978

Delta R.T. 0.01 min

Lab File: BG032932.D

Acq: 2 Mar 2018 00:32

Instrument :

BNA\_G

ClientSampleId :

PB106984BL

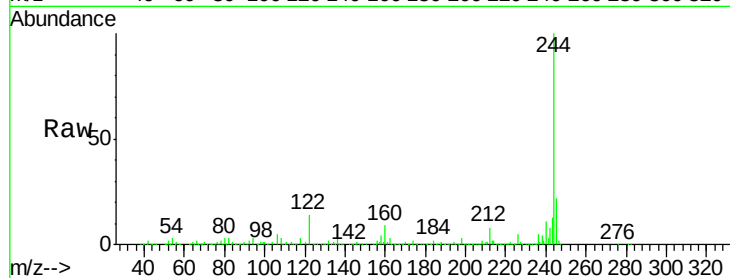
Tot Ion:244 Resp: 1311099

Ion Ratio Lower Upper

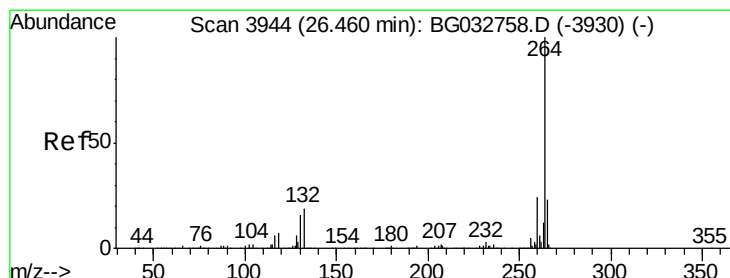
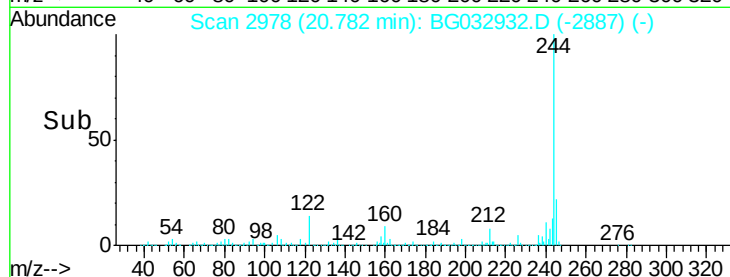
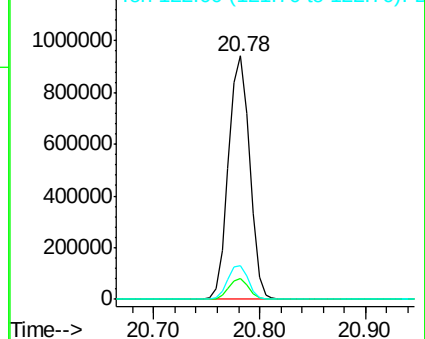
244 100

212 8.3 5.8 8.8

122 13.7 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: 26.44 min Scan# 3941

Delta R.T. 0.01 min

Lab File: BG032932.D

Acq: 2 Mar 2018 00:32

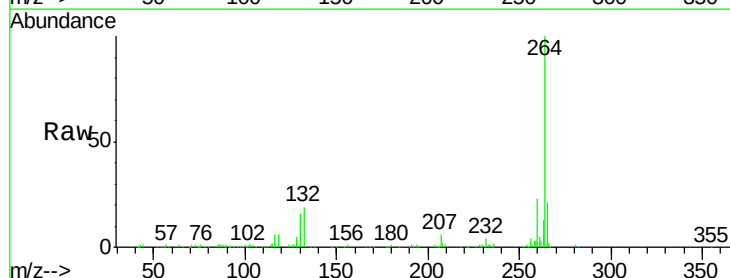
Tgt Ion:264 Resp: 332156

Ion Ratio Lower Upper

264 100

260 22.6 17.4 26.0

265 21.2 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

