

Data Path : Z:\HPCHEM1\BNA G\DATA\BG030818\  
 Data File : BG033052.D  
 Acq On : 8 Mar 2018 22:17  
 Operator : SJ/JU  
 Sample : PB107149BL  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB107149BL

Quant Time: Mar 09 02:41:10 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 06 17:38:59 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.91  | 152  | 53366    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.80 | 136  | 229923   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.53 | 164  | 126169   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 18.25 | 188  | 276930   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.61 | 240  | 260140   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 26.42 | 264  | 245802   | 20.00  | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.33  | 112  | 476126   | 142.74 | ng    | 0.00     |
| 7) Phenol-d6                | 8.01  | 99   | 625167   | 134.46 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 10.11 | 82   | 375567   | 110.05 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.99 | 330  | 189936   | 143.17 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 14.16 | 172  | 807790   | 92.34  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.77 | 244  | 1130886  | 97.67  | ng    | 0.00     |

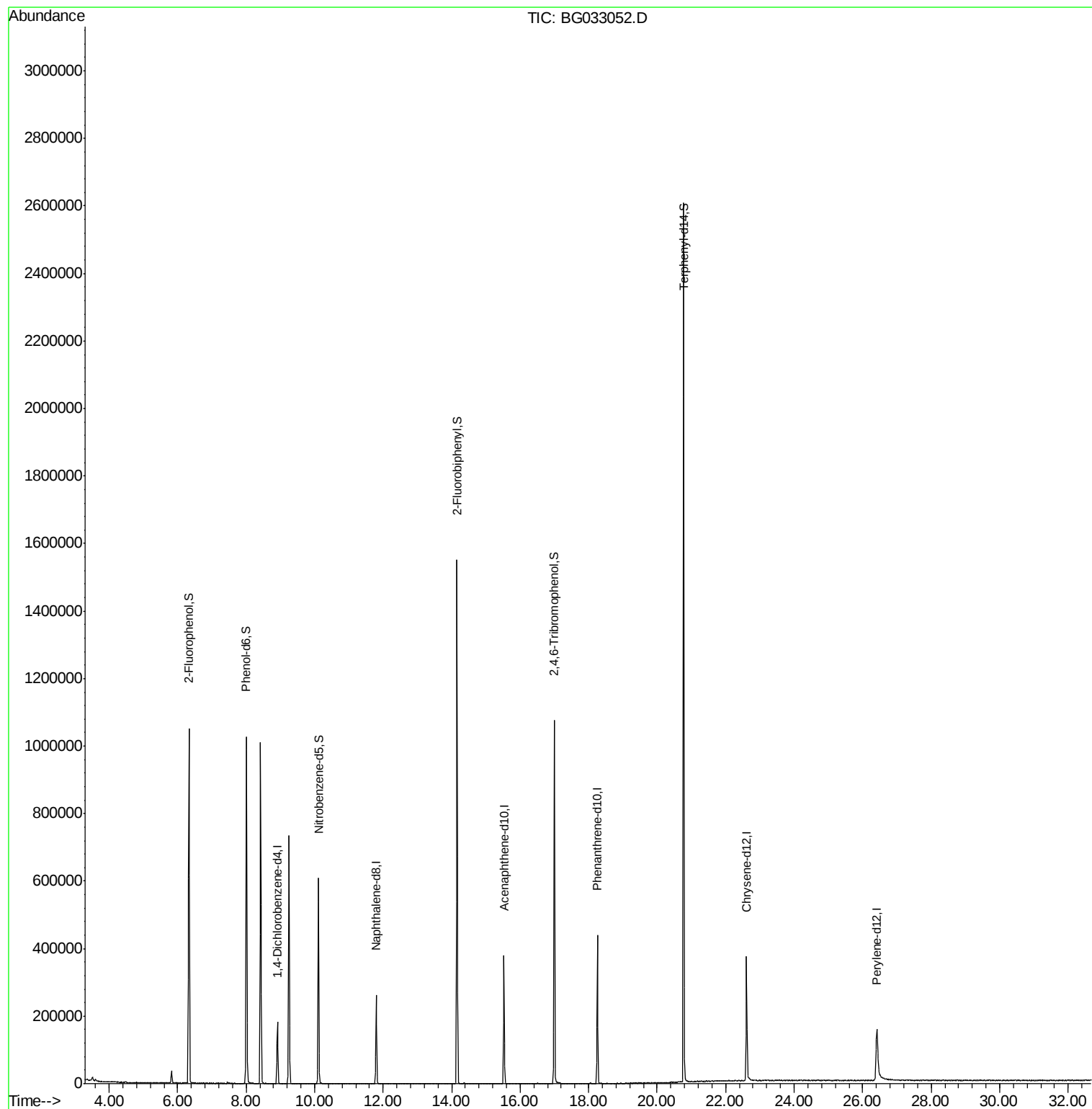
Target Compounds Qvalue

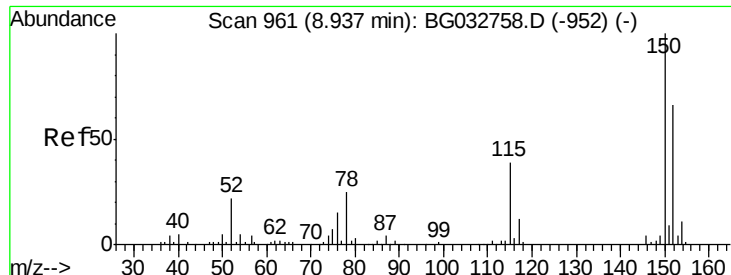
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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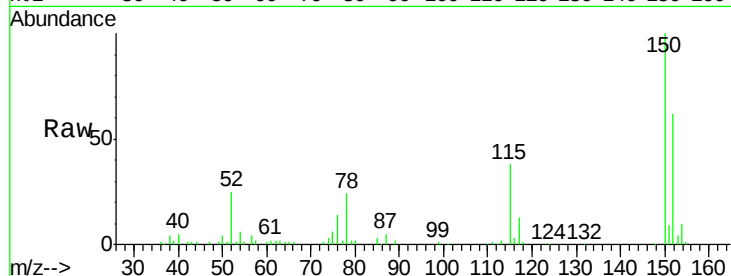


#1

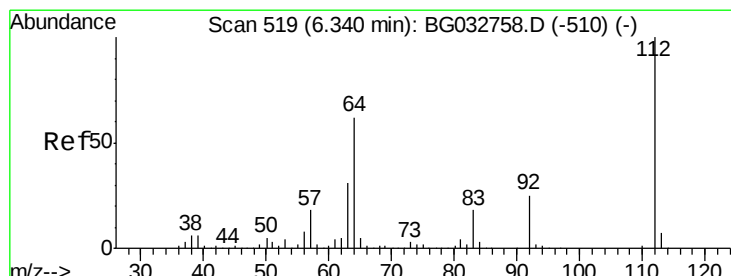
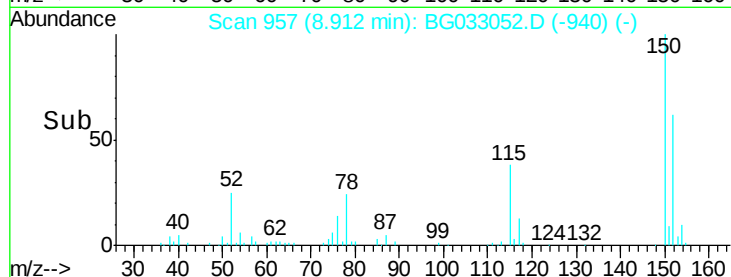
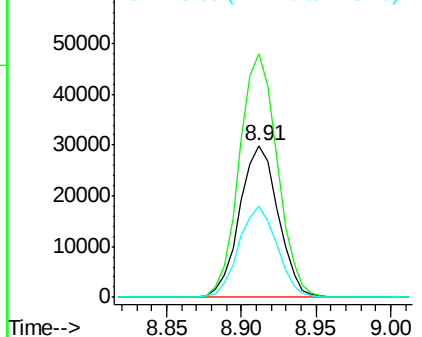
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.91 min Scan# 957  
Delta R.T. -0.00 min  
Lab File: BG033052.D  
Acq: 8 Mar 2018 22:17

Instrument :  
BNA\_G  
ClientSampleId :  
PB107149BL

Tot Ion:152 Resp: 53366  
Ion Ratio Lower Upper  
152 100  
150 160.6 126.6 189.8  
115 60.3 53.0 79.4



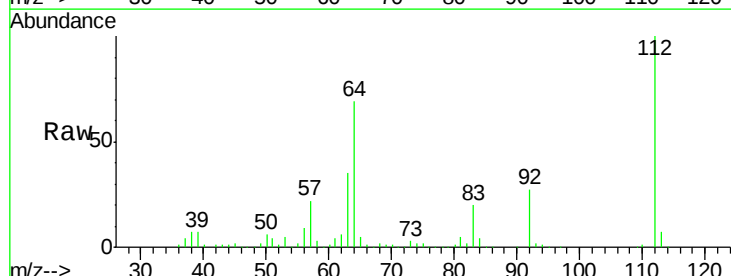
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



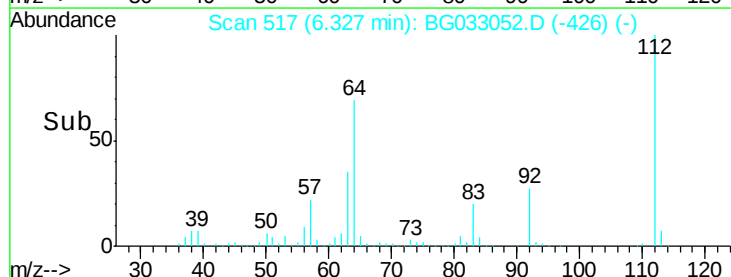
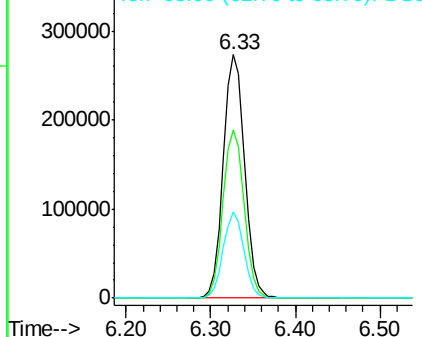
#5

2-Fluorophenol  
Concen: 142.737 ng  
RT: 6.33 min Scan# 517  
Delta R.T. 0.00 min  
Lab File: BG033052.D  
Acq: 8 Mar 2018 22:17

Tgt Ion:112 Resp: 476126  
Ion Ratio Lower Upper  
112 100  
64 69.2 56.3 84.5  
63 35.2 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: 134.460 ng

RT: 8.01 min Scan# 803

Delta R.T. -0.00 min

Lab File: BG033052.D

Acq: 8 Mar 2018 22:17

Instrument :

BNA\_G

ClientSampleId :

PB107149BL

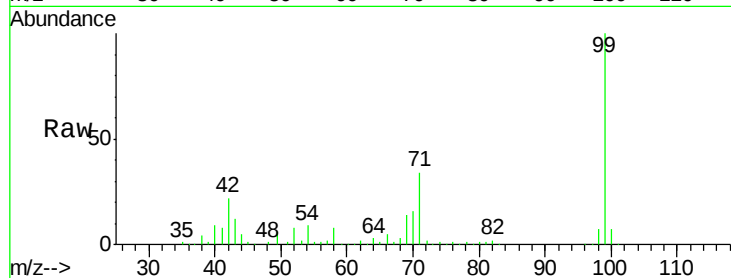
Tot Ion: 99 Resp: 625167

Ion Ratio Lower Upper

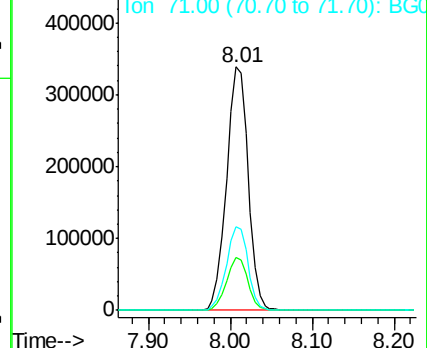
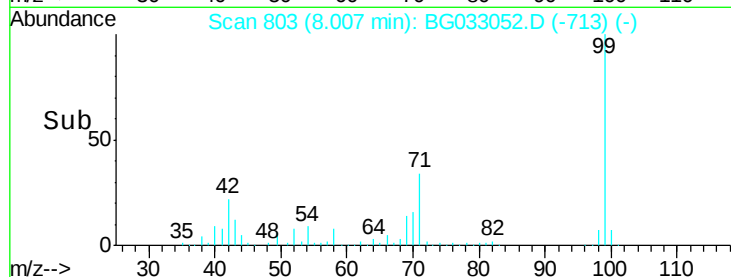
99 100

42 21.8 14.1 21.1#

71 34.4 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: 11.80 min Scan# 1448

Delta R.T. -0.00 min

Lab File: BG033052.D

Acq: 8 Mar 2018 22:17

Tgt Ion: 136 Resp: 229923

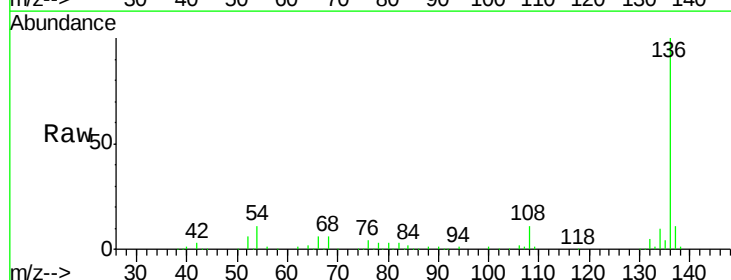
Ion Ratio Lower Upper

136 100

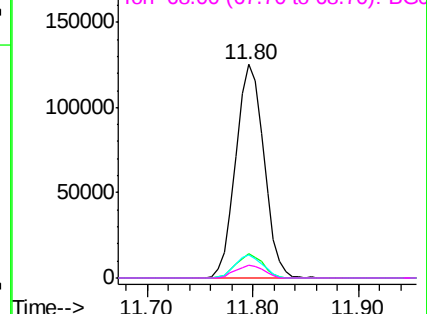
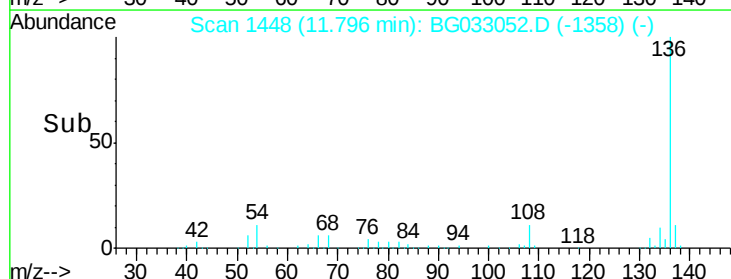
137 11.4 9.2 13.8

54 10.6 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

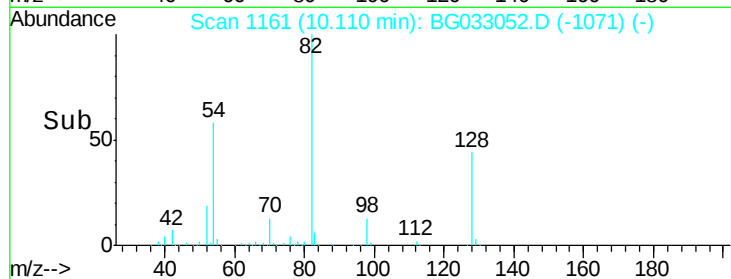
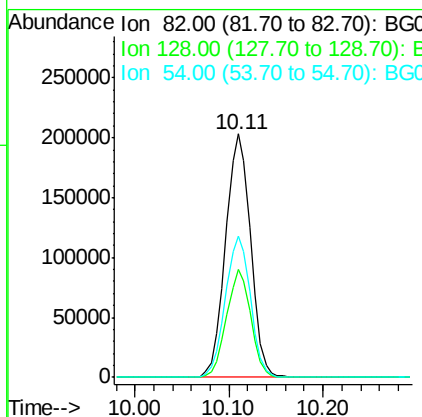
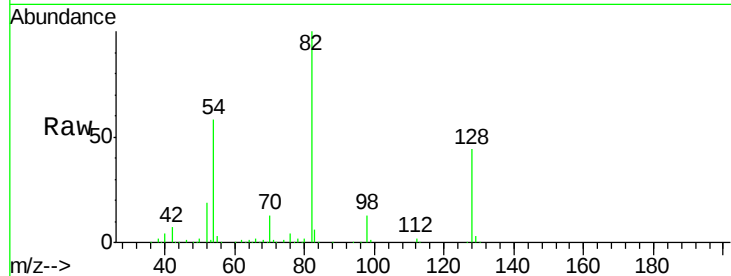




#23  
Nitrobenzene-d5  
Concen: 110.047 ng  
RT: 10.11 min Scan# 1161  
Delta R.T. -0.00 min  
Lab File: BG033052.D  
Acq: 8 Mar 2018 22:17

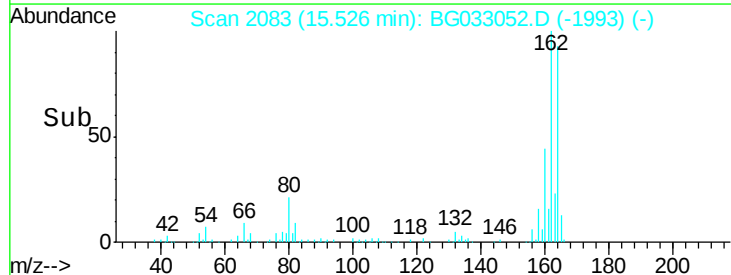
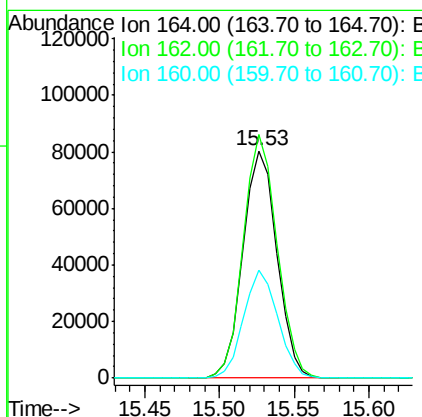
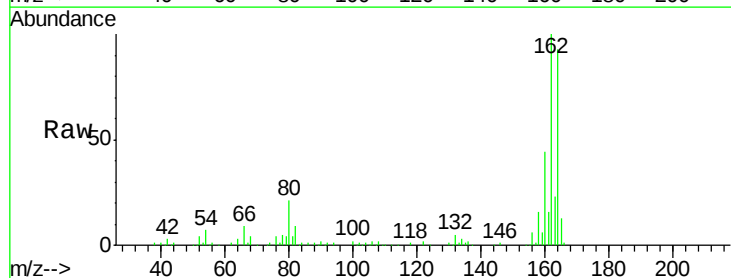
Instrument :  
BNA\_G  
ClientSampleId :  
PB107149BL

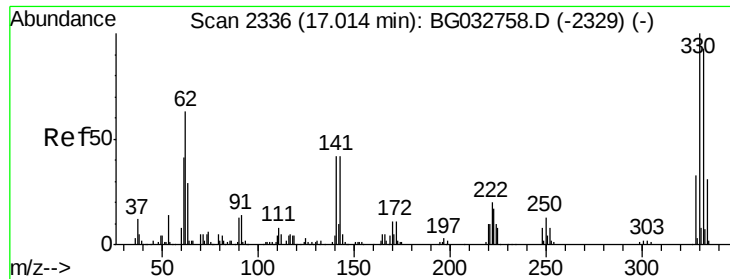
Tot Ion: 82 Resp: 375567  
Ion Ratio Lower Upper  
82 100  
128 44.2 29.7 44.5  
54 58.1 43.1 64.7



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.53 min Scan# 2083  
Delta R.T. -0.00 min  
Lab File: BG033052.D  
Acq: 8 Mar 2018 22:17

Tgt Ion: 164 Resp: 126169  
Ion Ratio Lower Upper  
164 100  
162 107.3 78.8 118.2  
160 47.6 35.4 53.0

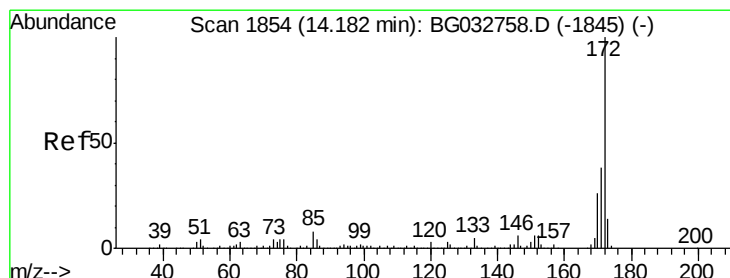
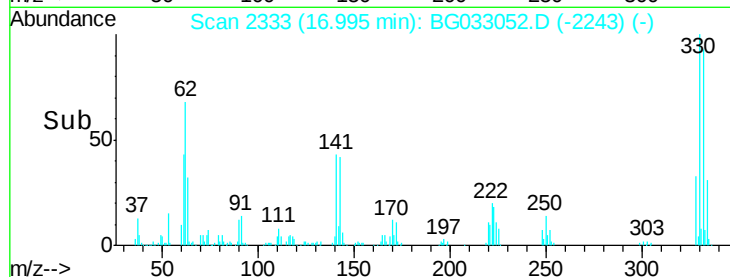
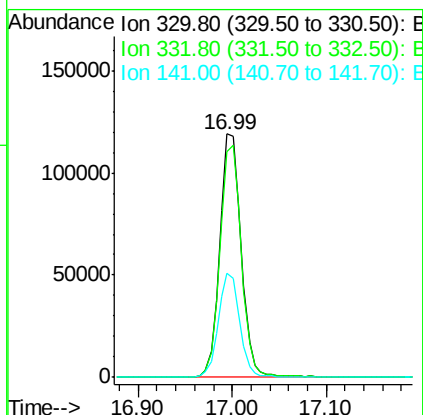
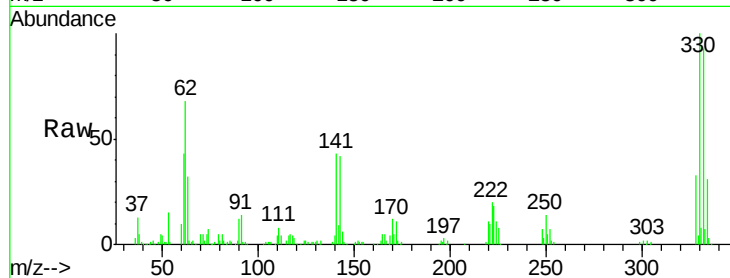




#41  
 2,4,6-Tribromophenol  
 Concen: 143.172 ng  
 RT: 16.99 min Scan# 2333  
 Delta R.T. -0.00 min  
 Lab File: BG033052.D  
 Acq: 8 Mar 2018 22:17

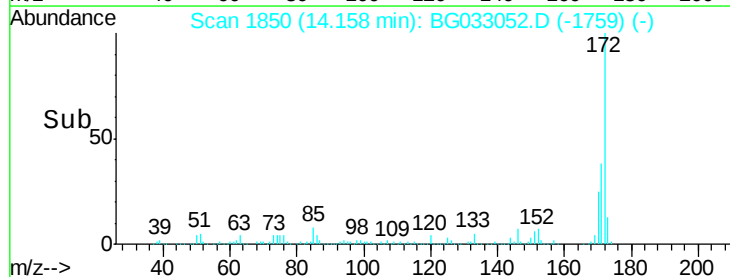
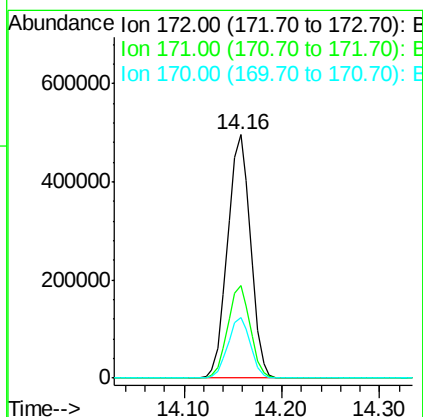
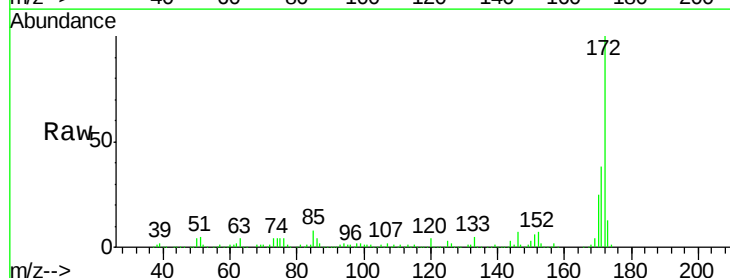
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB107149BL

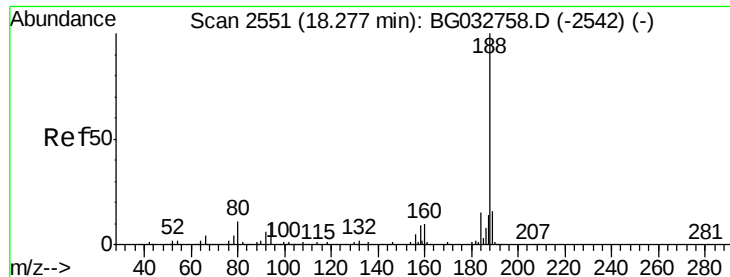
Tot Ion:330 Resp: 189936  
 Ion Ratio Lower Upper  
 330 100  
 332 95.0 77.0 115.6  
 141 42.9 25.2 37.8#



#44  
 2-Fluorobiphenyl  
 Concen: 92.339 ng  
 RT: 14.16 min Scan# 1850  
 Delta R.T. 0.00 min  
 Lab File: BG033052.D  
 Acq: 8 Mar 2018 22:17

Tgt Ion:172 Resp: 807790  
 Ion Ratio Lower Upper  
 172 100  
 171 37.8 30.0 45.0  
 170 24.9 19.5 29.3

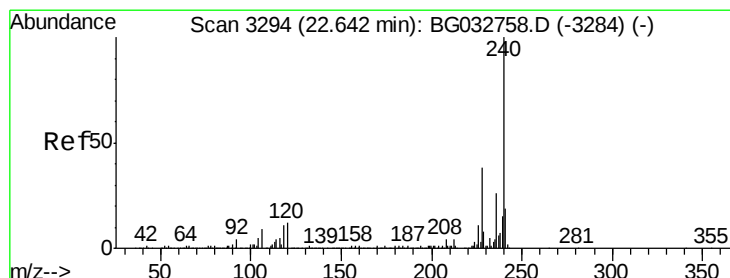
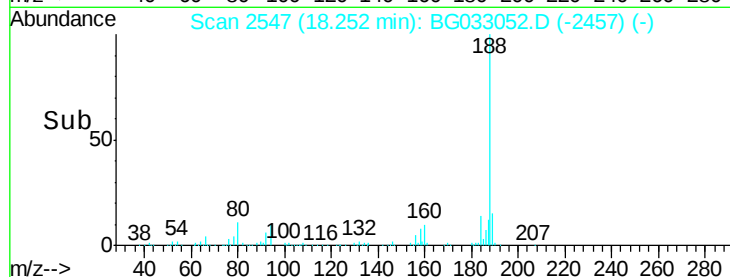
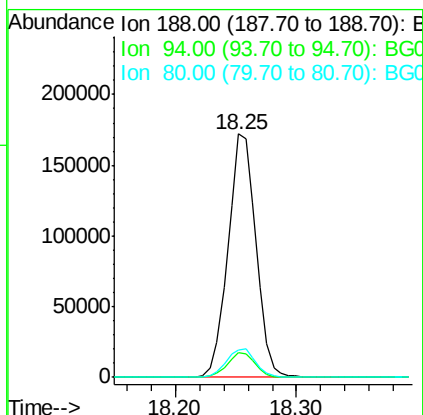
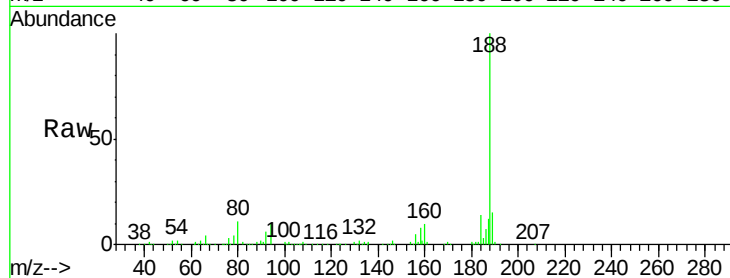




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.25 min Scan# 2547  
Delta R.T. -0.00 min  
Lab File: BG033052.D  
Acq: 8 Mar 2018 22:17

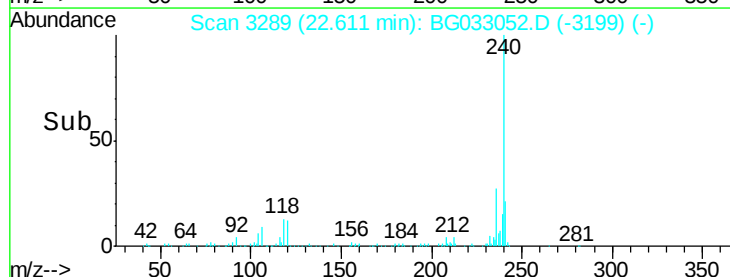
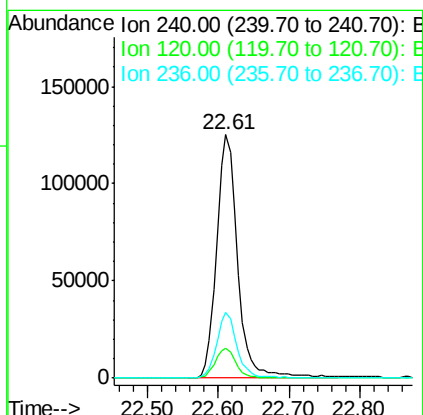
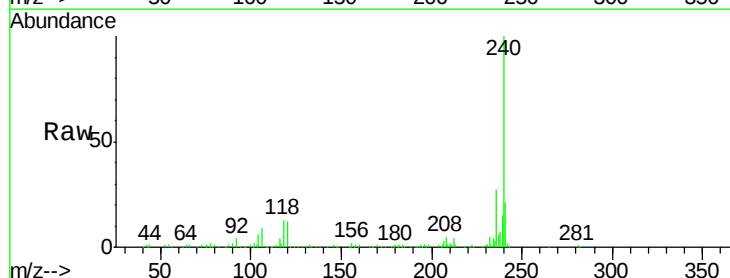
Instrument :  
BNA\_G  
ClientSampleId :  
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Tot Ion:188 Resp: 276930  
Ion Ratio Lower Upper  
188 100  
94 10.3 6.9 10.3  
80 11.3 7.7 11.5



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.61 min Scan# 3289  
Delta R.T. -0.00 min  
Lab File: BG033052.D  
Acq: 8 Mar 2018 22:17

Tgt Ion:240 Resp: 260140  
Ion Ratio Lower Upper  
240 100  
120 12.4 6.8 10.2#  
236 27.2 20.9 31.3





#78

Terphenyl-d14

Concen: 97.670 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BG033052.D

Acq: 8 Mar 2018 22:17

Instrument :

BNA\_G

ClientSampleID :

PB107149BL

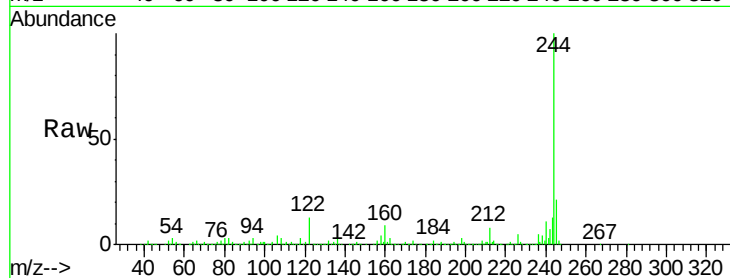
Tot Ion:244 Resp: 1130886

Ion Ratio Lower Upper

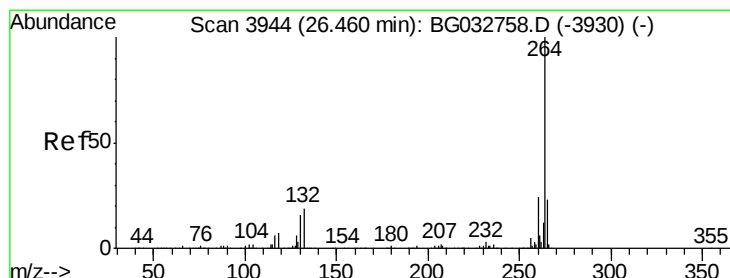
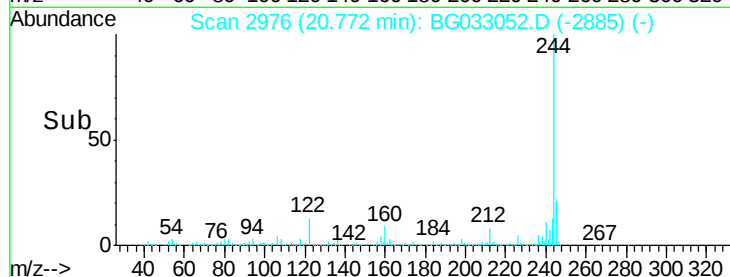
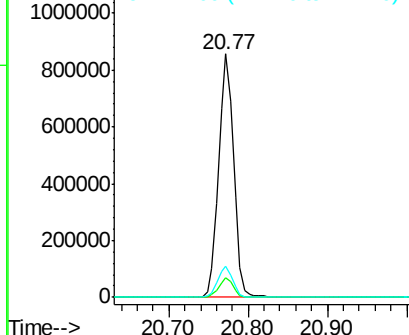
244 100

212 8.2 5.8 8.8

122 12.7 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: 26.42 min Scan# 3937

Delta R.T. 0.01 min

Lab File: BG033052.D

Acq: 8 Mar 2018 22:17

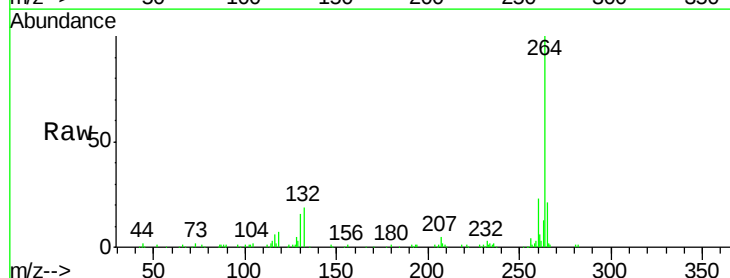
Tgt Ion:264 Resp: 245802

Ion Ratio Lower Upper

264 100

260 23.5 17.4 26.0

265 20.5 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

