

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031318\  
 Data File : BG033129.D  
 Acq On : 13 Mar 2018 21:28  
 Operator : SJ/JU  
 Sample : PB107310BL  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB107310BL

Quant Time: Mar 14 00:09:13 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 09 15:10:14 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.91  | 152  | 47882    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.80 | 136  | 209068   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.53 | 164  | 114184   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 18.25 | 188  | 239731   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.61 | 240  | 230897   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 26.42 | 264  | 205562   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.34  | 112  | 326143   | 108.97 | ng    | 0.01     |
| 7) Phenol-d6                | 8.02  | 99   | 432974   | 103.79 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 10.11 | 82   | 385667   | 123.00 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 17.00 | 330  | 16544    | 13.78  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 14.16 | 172  | 803749   | 101.52 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.77 | 244  | 1060851  | 103.23 | ng    | 0.00     |

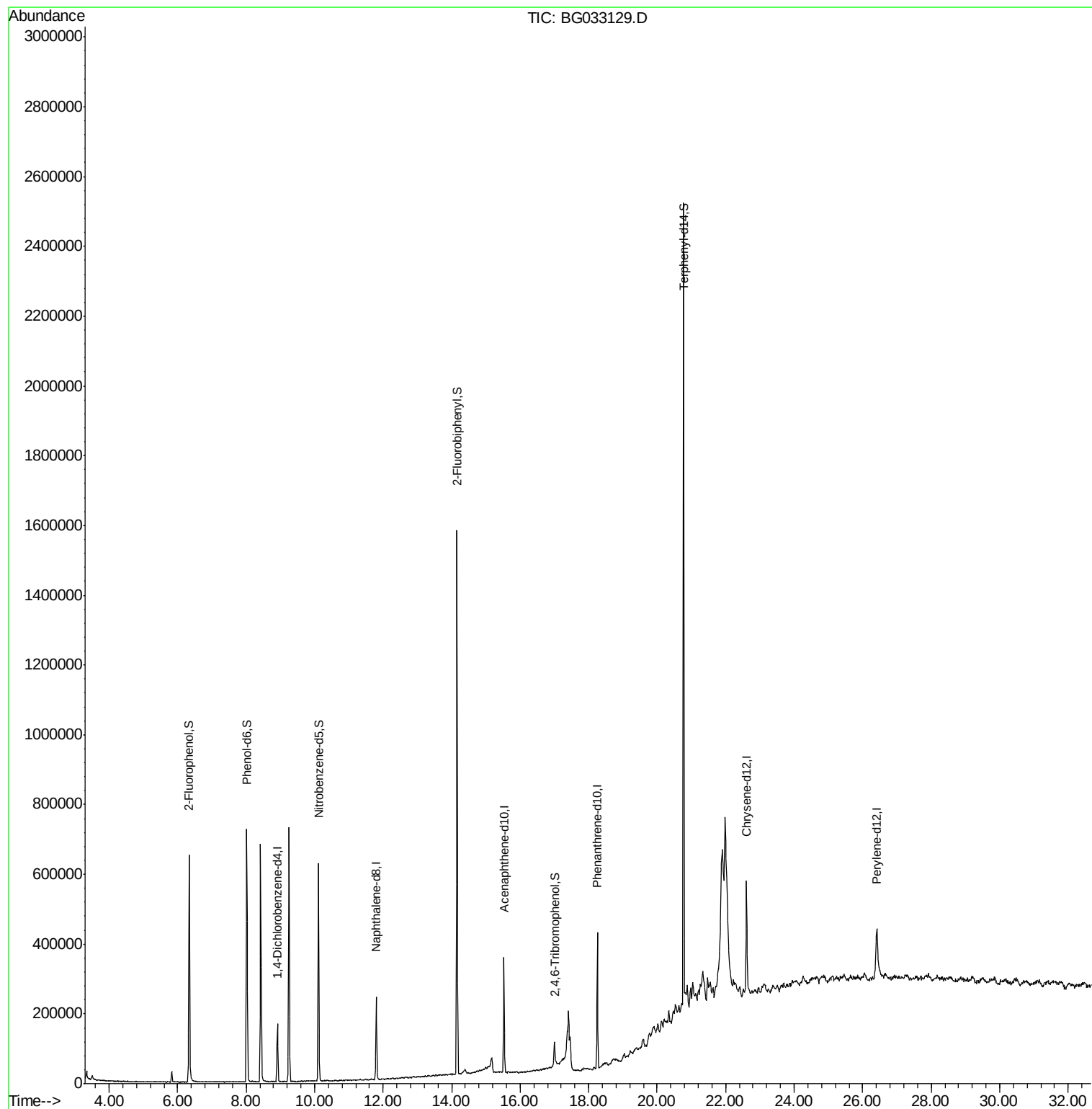
Target Compounds Qvalue

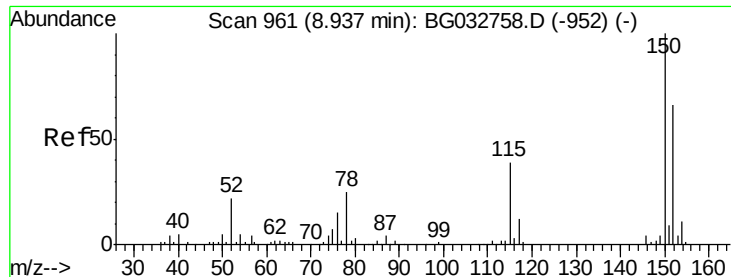
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 16 Sample Multiplier: 1

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Quant Time: Mar 14 00:09:13 2018  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Mar 09 15:10:14 2018  
Response via : Initial Calibration



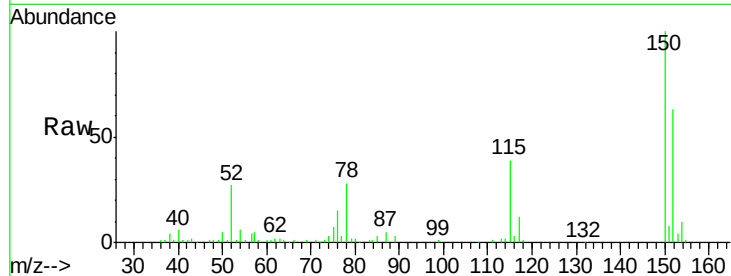


#1

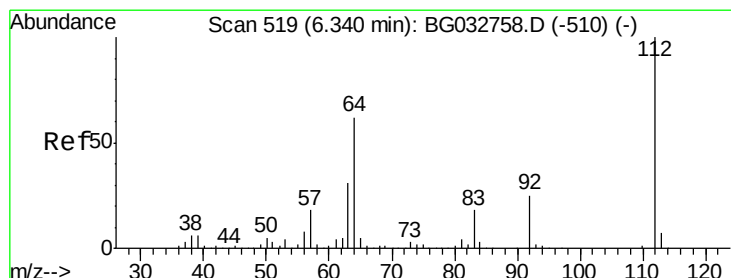
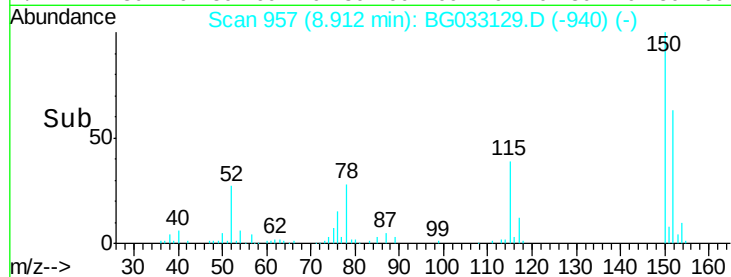
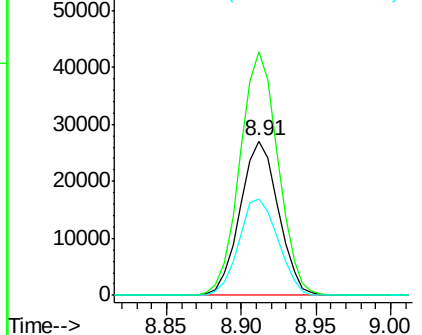
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.91 min Scan# 957  
Delta R.T. 0.00 min  
Lab File: BG033129.D  
Acq: 13 Mar 2018 21:28

Instrument :  
BNA\_G  
ClientSampleId :  
PB107310BL

Tot Ion:152 Resp: 47882  
Ion Ratio Lower Upper  
152 100  
150 157.6 126.6 189.8  
115 62.0 53.0 79.4



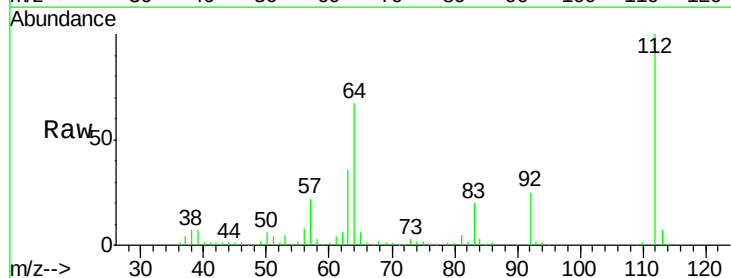
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



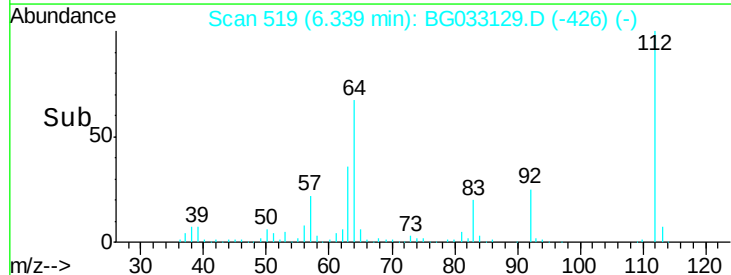
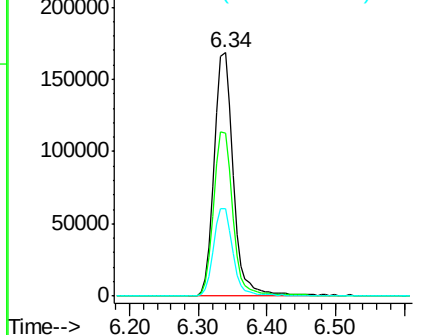
#5

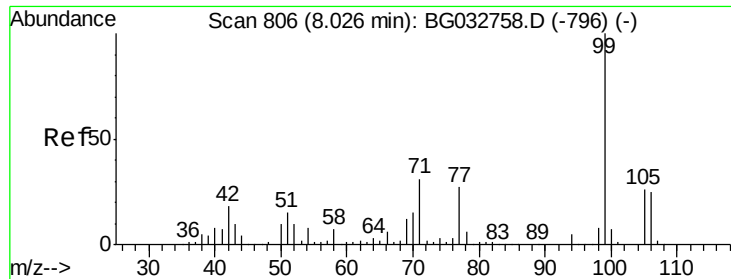
2-Fluorophenol  
Concen: 108.972 ng  
RT: 6.34 min Scan# 519  
Delta R.T. 0.01 min  
Lab File: BG033129.D  
Acq: 13 Mar 2018 21:28

Tgt Ion:112 Resp: 326143  
Ion Ratio Lower Upper  
112 100  
64 66.8 56.3 84.5  
63 35.8 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: 103.789 ng

RT: 8.02 min Scan# 805

Delta R.T. 0.01 min

Lab File: BG033129.D

Acq: 13 Mar 2018 21:28

Instrument :

BNA\_G

ClientSampleId :

PB107310BL

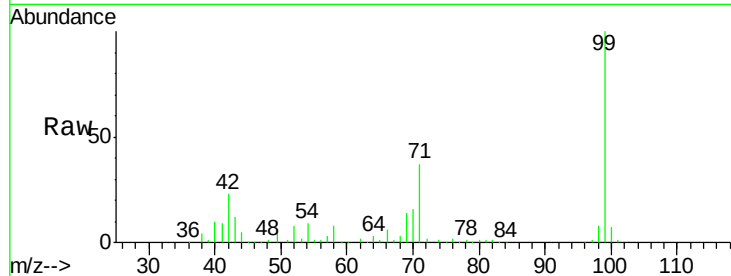
Tot Ion: 99 Resp: 432974

Ion Ratio Lower Upper

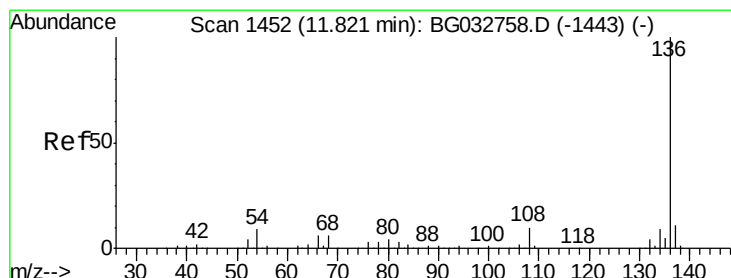
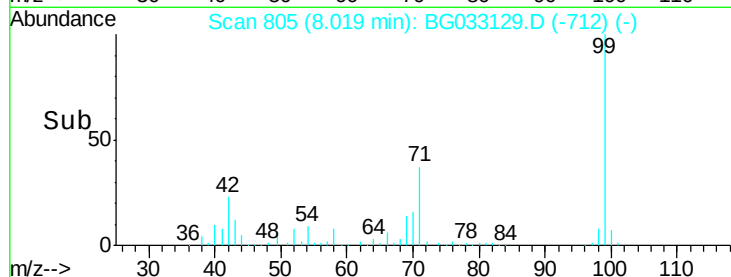
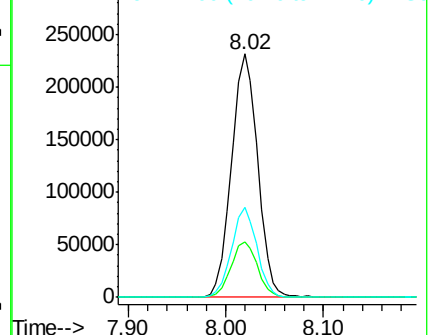
99 100

42 23.0 14.1 21.1#

71 37.1 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: BG033129.D

Acq: 13 Mar 2018 21:28

Tgt Ion: 136 Resp: 209068

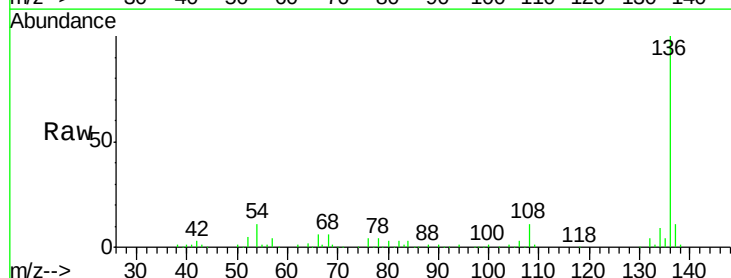
Ion Ratio Lower Upper

136 100

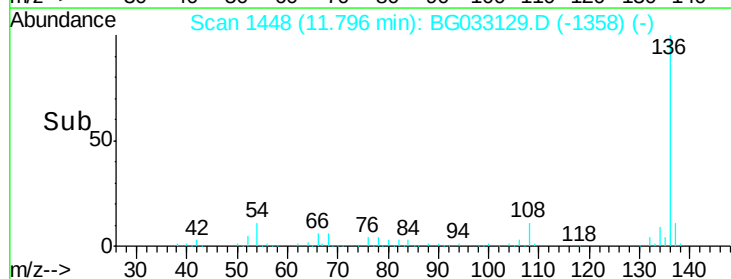
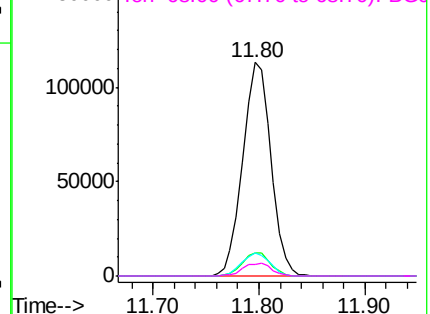
137 10.7 9.2 13.8

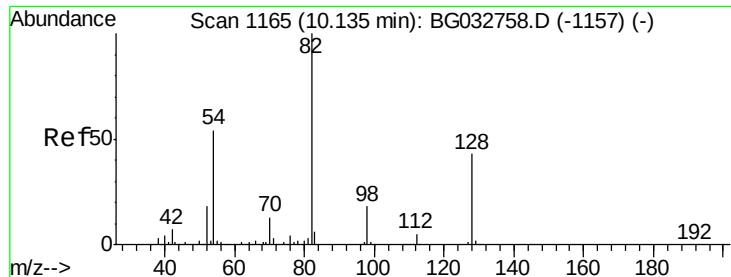
54 10.9 10.3 15.5

68 5.7 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

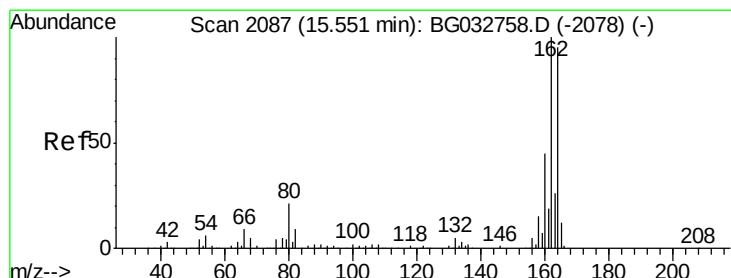
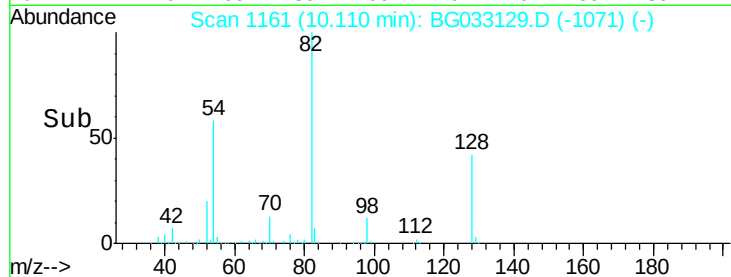
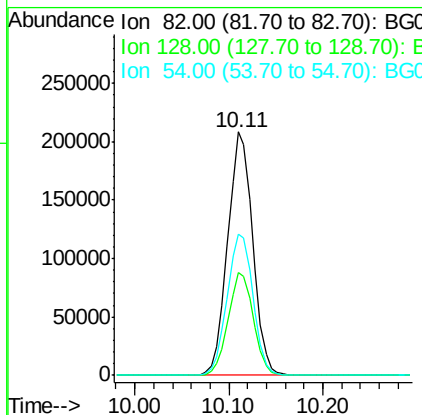
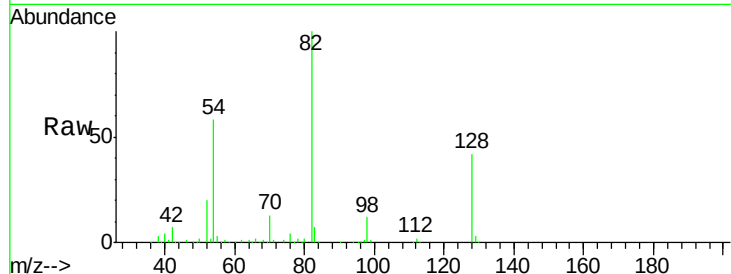




#23  
 Nitrobenzene-d5  
 Concen: 122.997 ng  
 RT: 10.11 min Scan# 1161  
 Delta R.T. -0.00 min  
 Lab File: BG033129.D  
 Acq: 13 Mar 2018 21:28

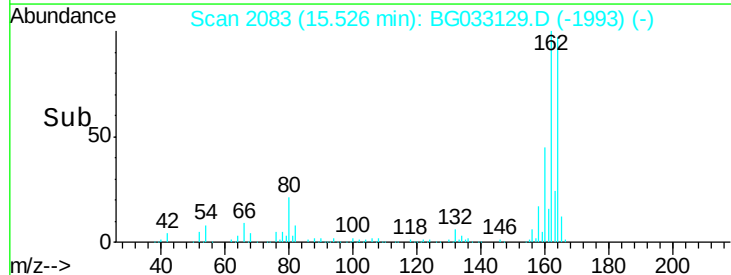
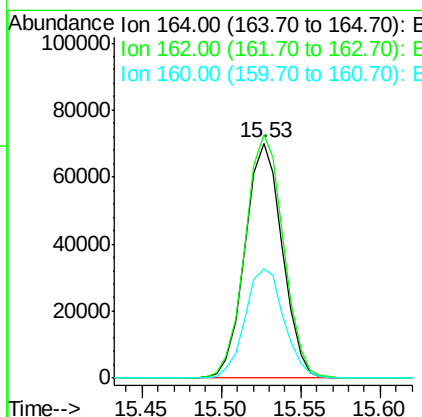
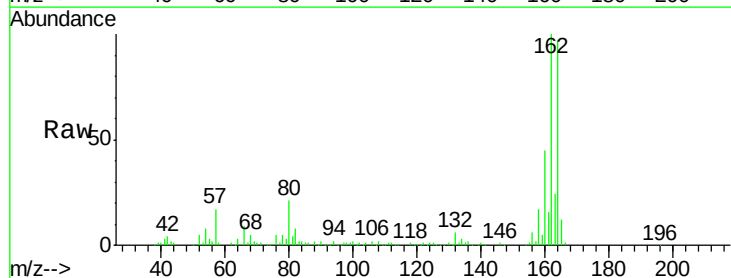
Instrument :  
 BNA\_G  
 ClientSampled :  
 PB107310BL

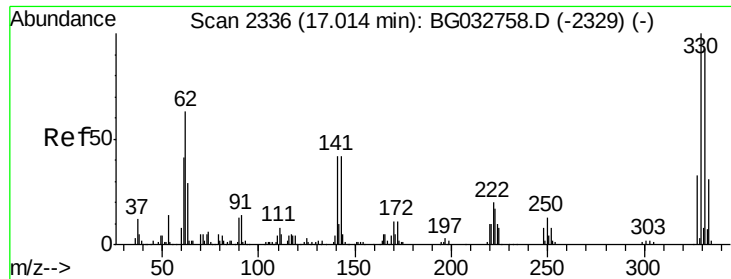
| Tot Ion   | 82    | Resp  | 385667 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 42.1  | 29.7  | 44.5   |
| 54        | 58.2  | 43.1  | 64.7   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.53 min Scan# 2083  
 Delta R.T. -0.00 min  
 Lab File: BG033129.D  
 Acq: 13 Mar 2018 21:28

| Tgt Ion   | 164   | Resp  | 114184 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 103.6 | 78.8  | 118.2  |
| 160       | 46.7  | 35.4  | 53.0   |

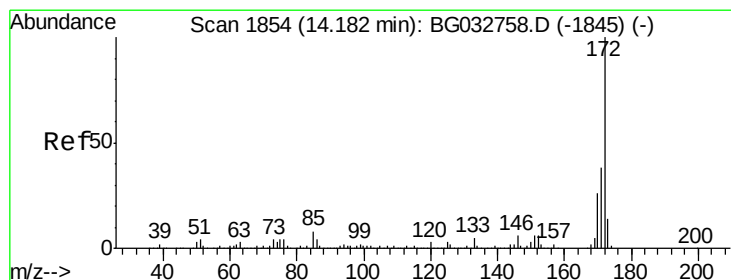
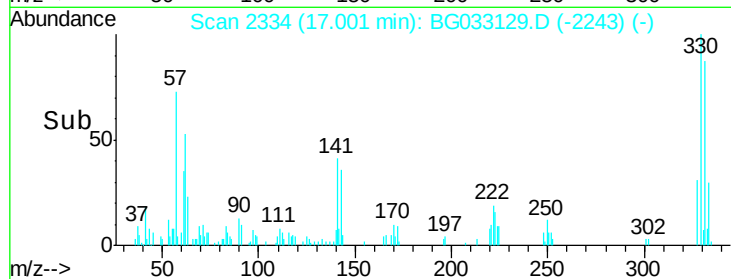
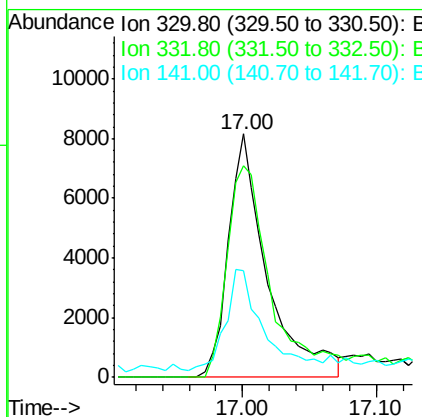
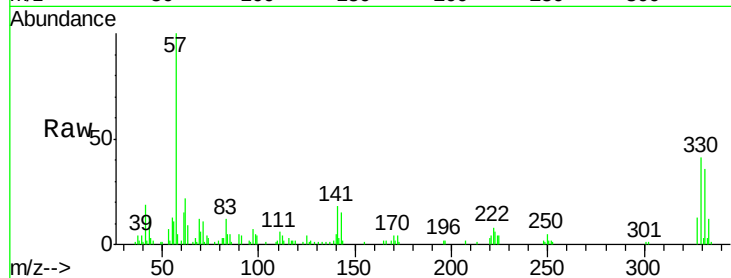




#41  
 2,4,6-Tribromophenol  
 Concen: 13.780 ng  
 RT: 17.00 min Scan# 2334  
 Delta R.T. 0.00 min  
 Lab File: BG033129.D  
 Acq: 13 Mar 2018 21:28

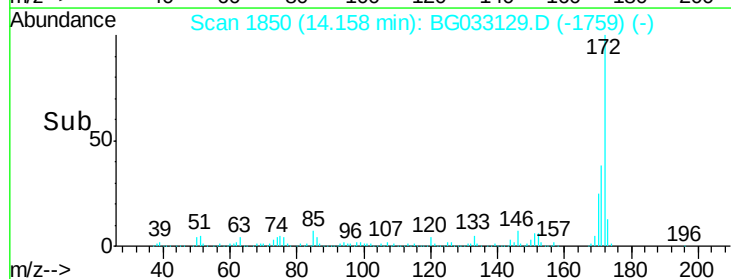
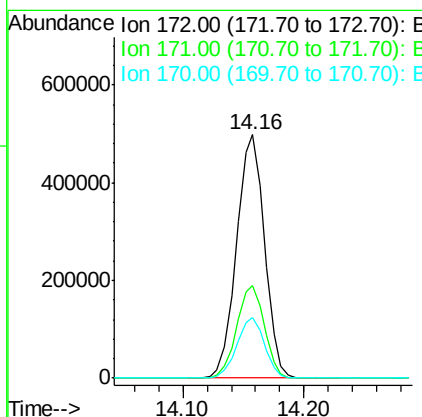
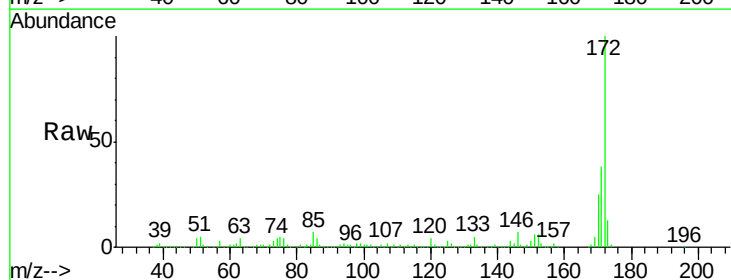
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB107310BL

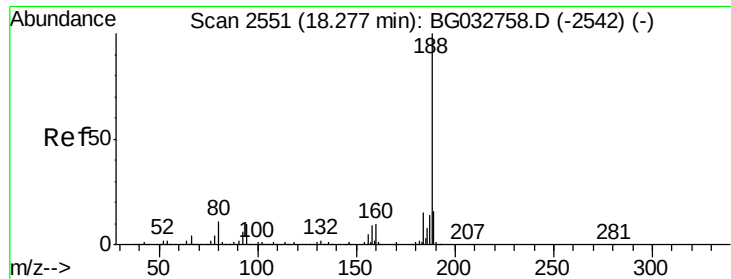
Tot Ion:330 Resp: 16544  
 Ion Ratio Lower Upper  
 330 100  
 332 99.0 77.0 115.6  
 141 39.7 25.2 37.8#



#44  
 2-Fluorobiphenyl  
 Concen: 101.521 ng  
 RT: 14.16 min Scan# 1850  
 Delta R.T. 0.00 min  
 Lab File: BG033129.D  
 Acq: 13 Mar 2018 21:28

Tgt Ion:172 Resp: 803749  
 Ion Ratio Lower Upper  
 172 100  
 171 37.9 30.0 45.0  
 170 24.8 19.5 29.3

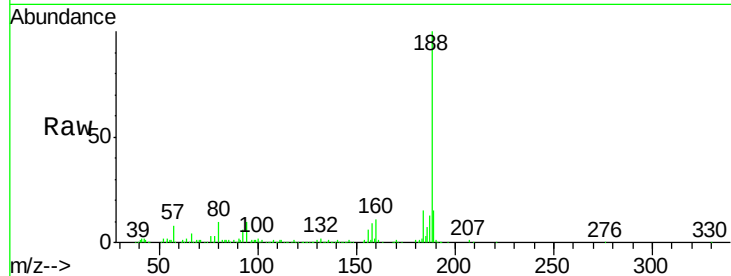




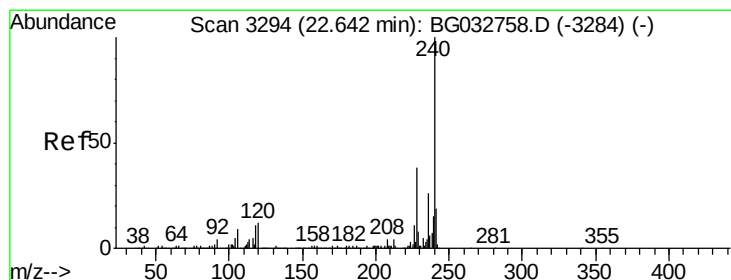
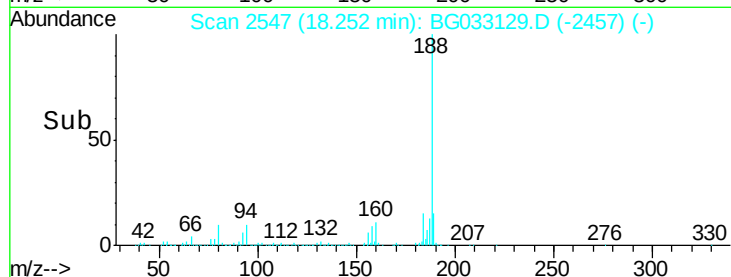
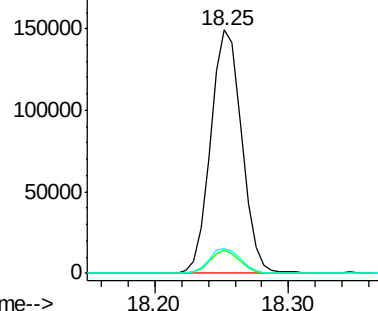
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.25 min Scan# 2547  
Delta R.T. -0.00 min  
Lab File: BG033129.D  
Acq: 13 Mar 2018 21:28

Instrument :  
BNA\_G  
ClientSampleId :  
PB107310BL

Tot Ion:188 Resp: 239731  
Ion Ratio Lower Upper  
188 100  
94 9.8 6.9 10.3  
80 10.3 7.7 11.5

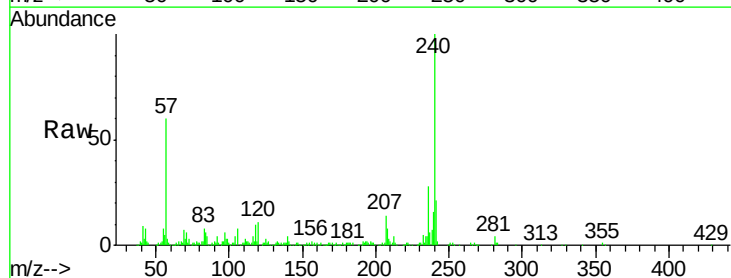


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

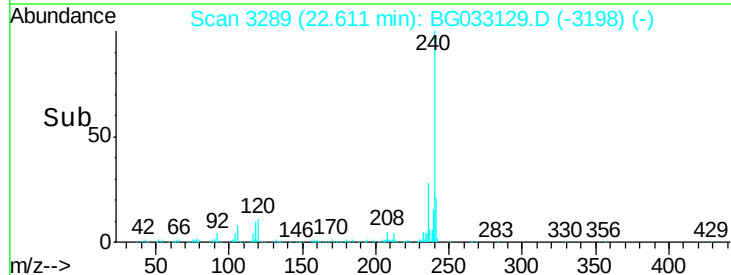
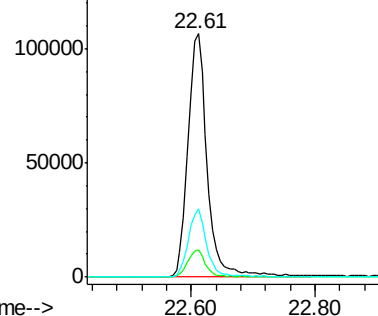


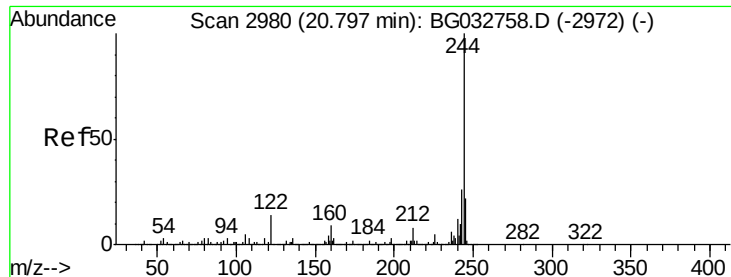
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.61 min Scan# 3289  
Delta R.T. 0.00 min  
Lab File: BG033129.D  
Acq: 13 Mar 2018 21:28

Tgt Ion:240 Resp: 230897  
Ion Ratio Lower Upper  
240 100  
120 11.2 6.8 10.2#  
236 28.2 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

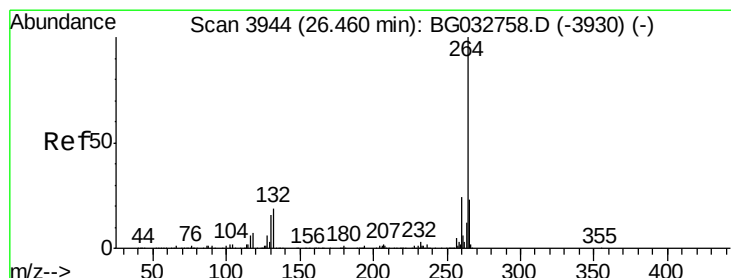
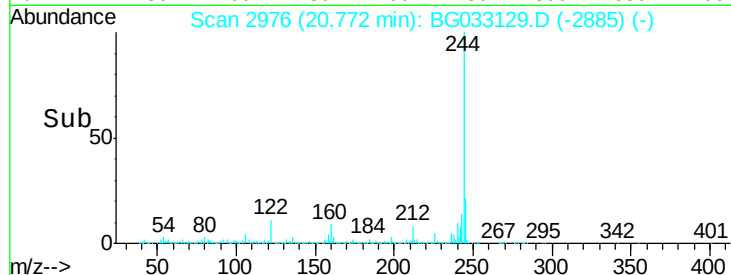
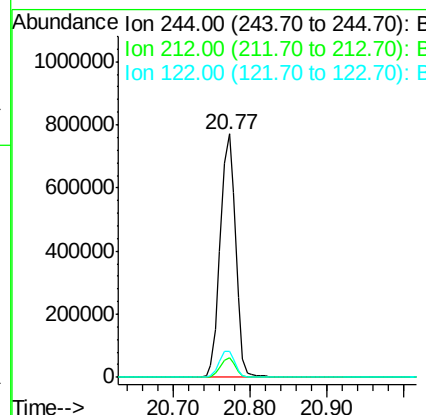
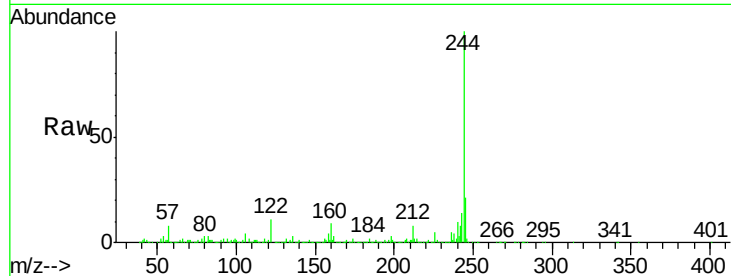




#78  
 Terphenyl-d14  
 Concen: 103.225 ng  
 RT: 20.77 min Scan# 2976  
 Delta R.T. 0.00 min  
 Lab File: BG033129.D  
 Acq: 13 Mar 2018 21:28

Instrument :  
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Tot Ion:244 Resp: 1060851  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 5.8 8.8  
 122 10.9 7.0 10.4#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 26.42 min Scan# 3937  
 Delta R.T. 0.01 min  
 Lab File: BG033129.D  
 Acq: 13 Mar 2018 21:28

Tgt Ion:264 Resp: 205562  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 17.4 26.0  
 265 22.3 17.7 26.5

