

Data Path : U:\HPCHEM1\BNA G\DATA\BG010518\  
 Data File : BG031937.D  
 Acq On : 5 Jan 2018 17:52  
 Operator : SJ/JU  
 Sample : J1011-04  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HR-06-010318-B

Quant Time: Jan 05 23:55:01 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 05 15:31:34 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.78  | 152  | 48500    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.67 | 136  | 201557   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.41 | 164  | 146550   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 18.15 | 188  | 417275   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 22.49 | 240  | 487706   | 20.00  | ng    | -0.03    |
| 86) Perylene-d12            | 26.23 | 264  | 477649   | 20.00  | ng    | -0.07    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.21  | 112  | 339313   | 127.43 | ng    | 0.00     |
| 7) Phenol-d6                | 7.89  | 99   | 399624   | 115.59 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.98  | 82   | 273474   | 102.46 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.89 | 330  | 369265   | 165.13 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 14.05 | 172  | 967740   | 82.88  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.68 | 244  | 2020211  | 94.64  | ng    | -0.01    |

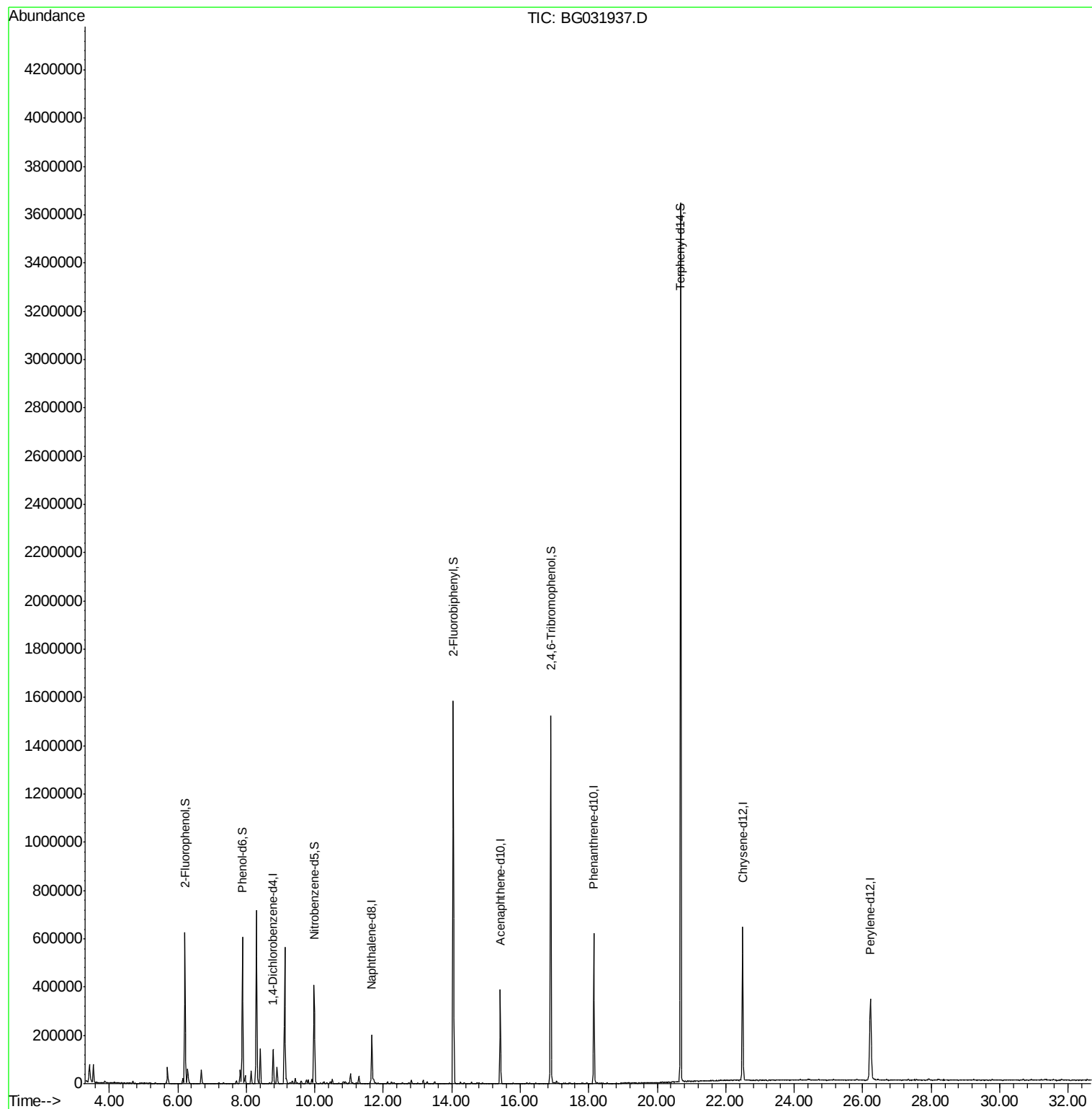
Target Compounds Qvalue

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

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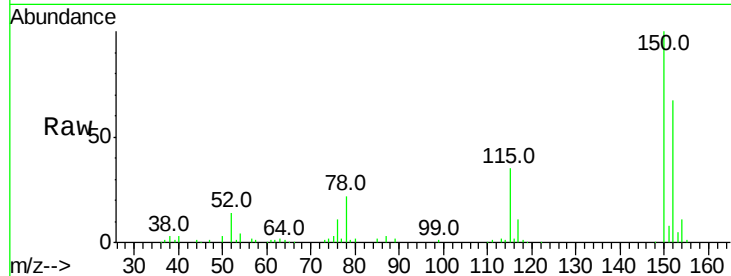


#1

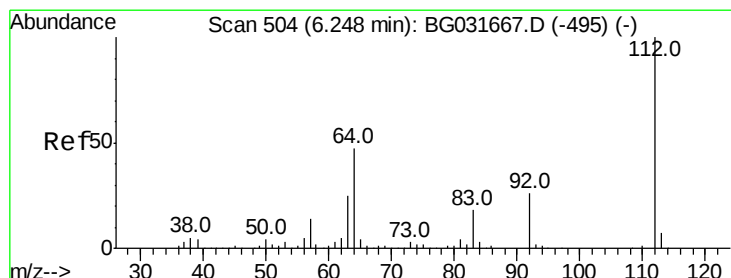
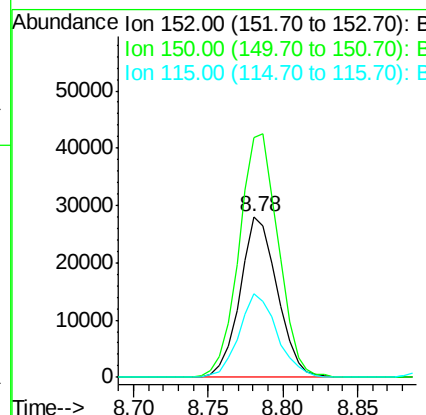
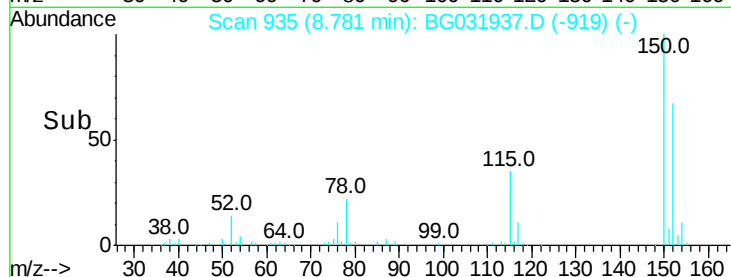
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.78 min Scan# 935  
 Delta R.T. -0.01 min  
 Lab File: BG031937.D  
 Acq: 5 Jan 2018 17:52

Instrument :  
 BNA\_G  
 ClientSampleId :  
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Tot Ion:152 Resp: 48500  
 Ion Ratio Lower Upper  
 152 100  
 150 149.5 126.6 189.8  
 115 52.1 53.0 79.4#



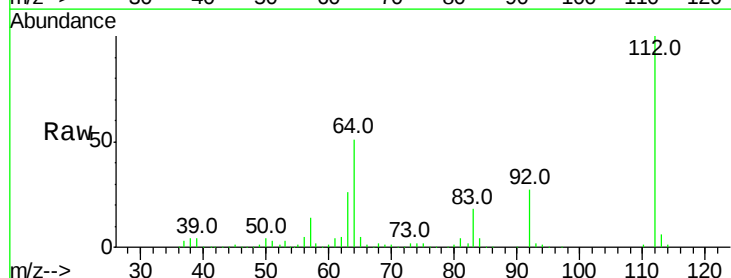
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



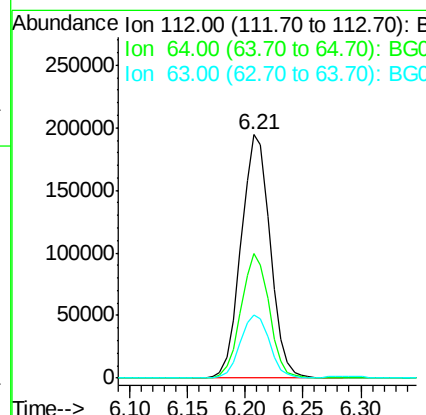
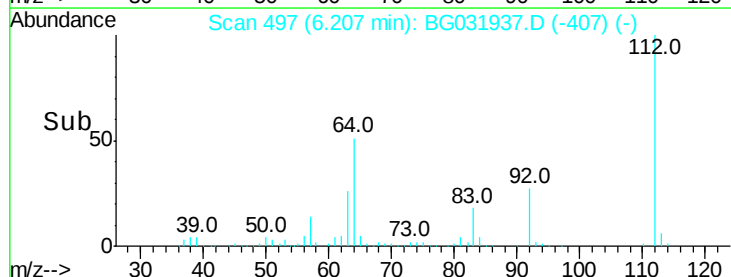
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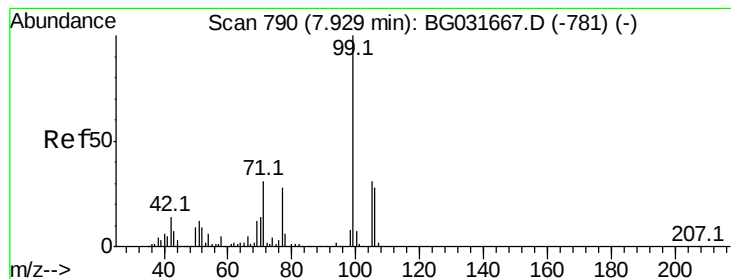
2-Fluorophenol  
 Concen: 127.427 ng  
 RT: 6.21 min Scan# 497  
 Delta R.T. -0.00 min  
 Lab File: BG031937.D  
 Acq: 5 Jan 2018 17:52

Tgt Ion:112 Resp: 339313  
 Ion Ratio Lower Upper  
 112 100  
 64 51.1 56.3 84.5#  
 63 26.0 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: 115.592 ng

RT: 7.89 min Scan# 783

Delta R.T. -0.00 min

Lab File: BG031937.D

Acq: 5 Jan 2018 17:52

Instrument :

BNA\_G

ClientSampleId :

HR-06-010318-B

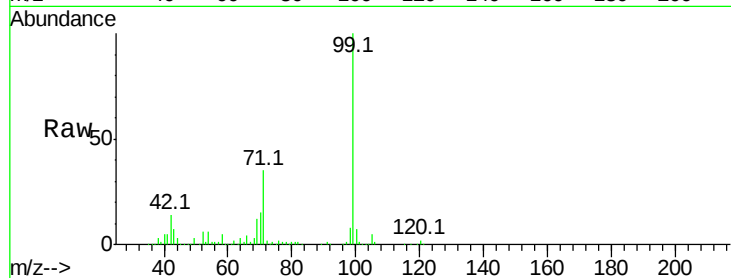
Tot Ion: 99 Resp: 399624

Ion Ratio Lower Upper

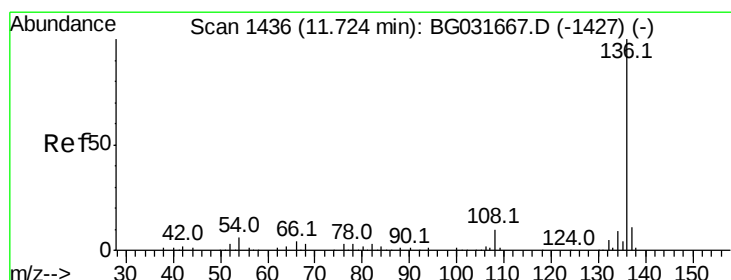
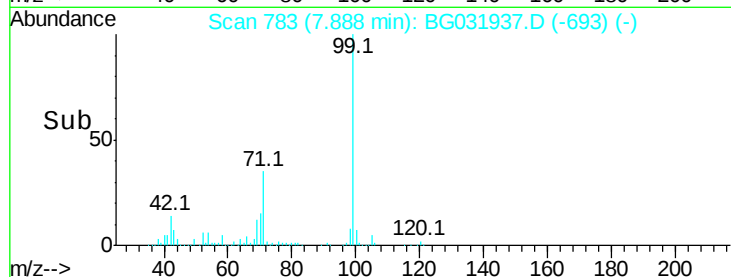
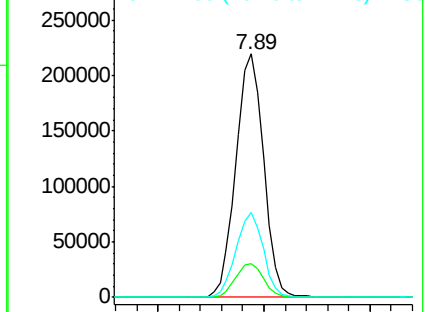
99 100

42 14.1 14.1 21.1#

71 34.8 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: 11.67 min Scan# 1426

Delta R.T. -0.01 min

Lab File: BG031937.D

Acq: 5 Jan 2018 17:52

Tgt Ion: 136 Resp: 201557

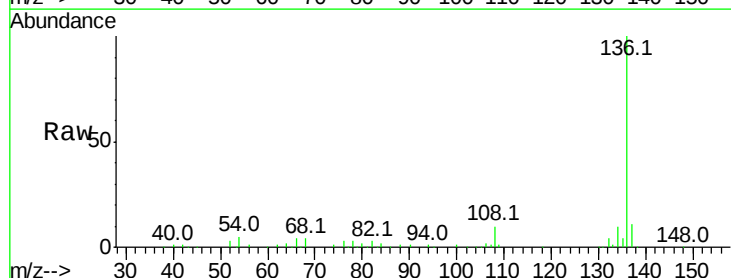
Ion Ratio Lower Upper

136 100

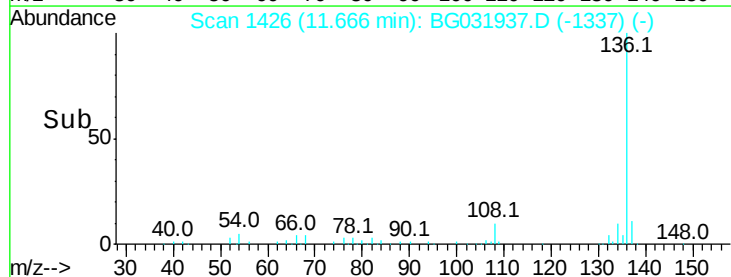
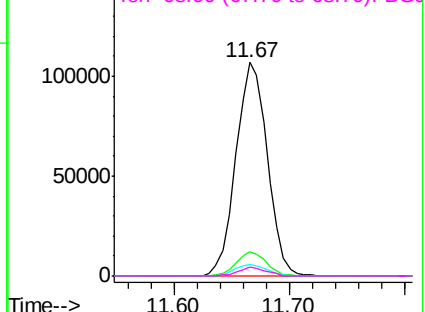
137 11.2 9.2 13.8

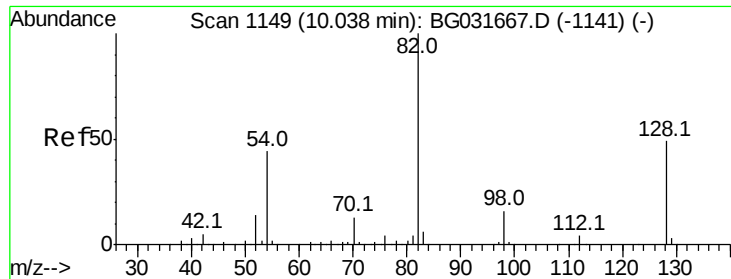
54 5.2 10.3 15.5#

68 4.1 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

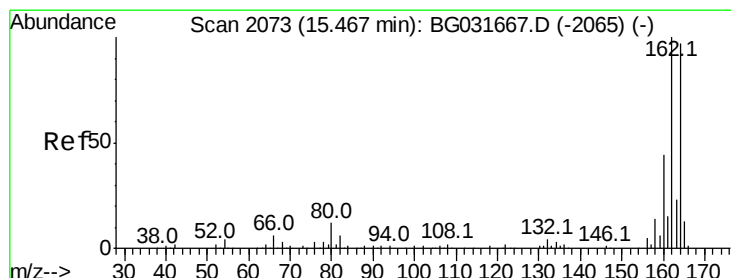
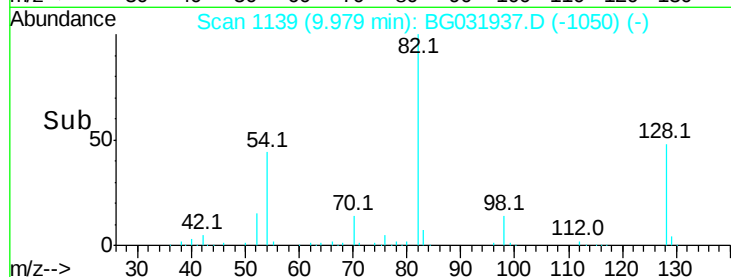
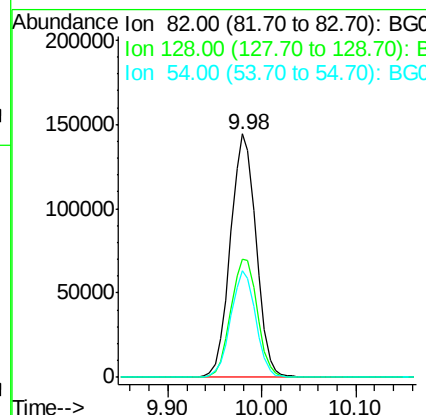
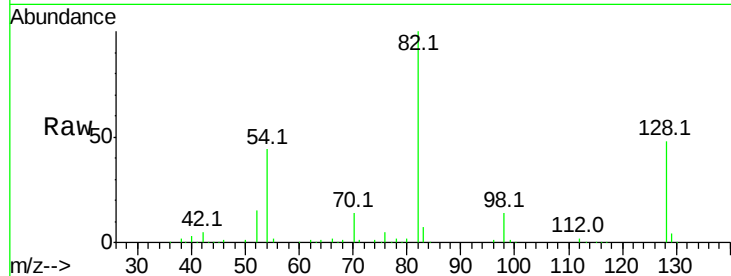




#23  
Nitrobenzene-d5  
Concen: 102.455 ng  
RT: 9.98 min Scan# 1139  
Delta R.T. -0.01 min  
Lab File: BG031937.D  
Acq: 5 Jan 2018 17:52

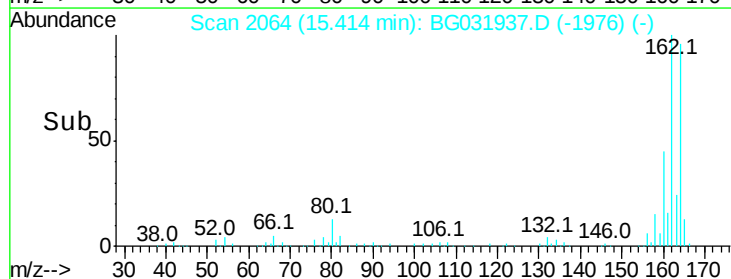
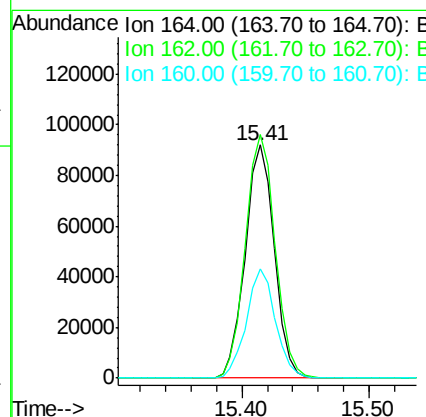
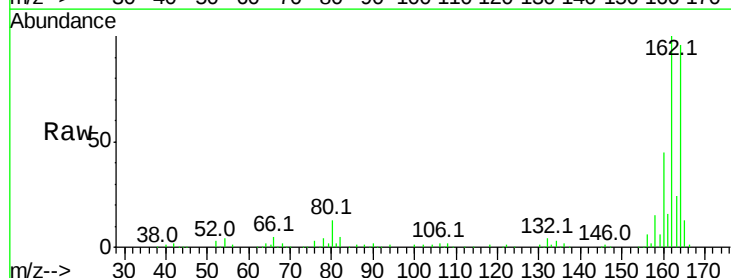
Instrument :  
BNA\_G  
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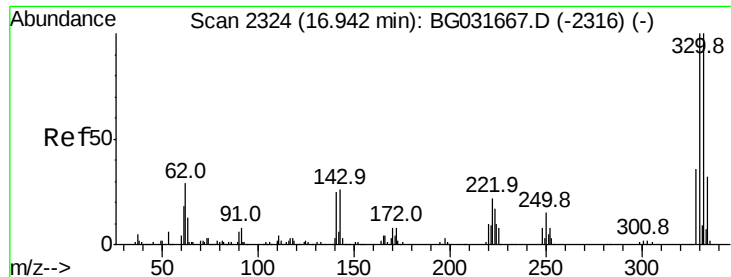
Tot Ion: 82 Resp: 273474  
Ion Ratio Lower Upper  
82 100  
128 48.4 29.7 44.5#  
54 43.8 43.1 64.7



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.41 min Scan# 2064  
Delta R.T. -0.01 min  
Lab File: BG031937.D  
Acq: 5 Jan 2018 17:52

Tgt Ion:164 Resp: 146550  
Ion Ratio Lower Upper  
164 100  
162 104.4 78.8 118.2  
160 46.7 35.4 53.0

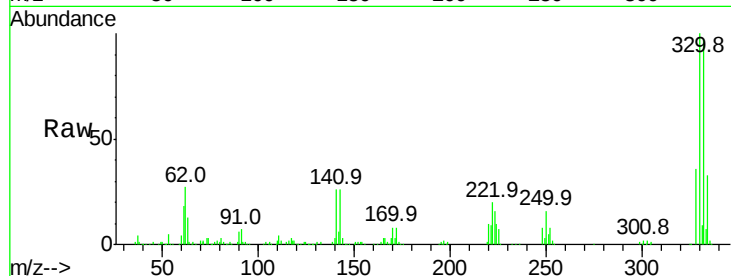




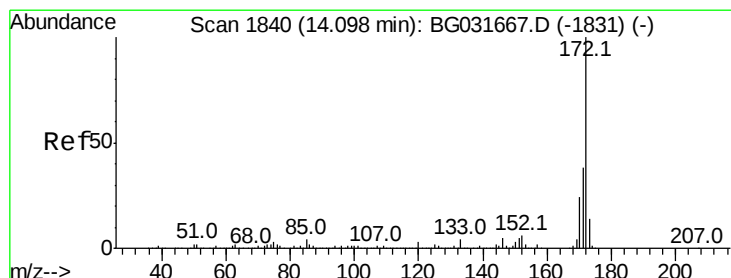
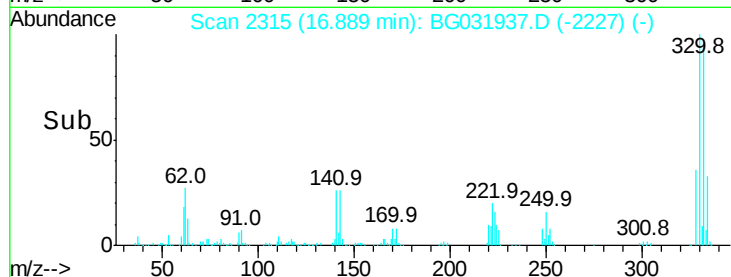
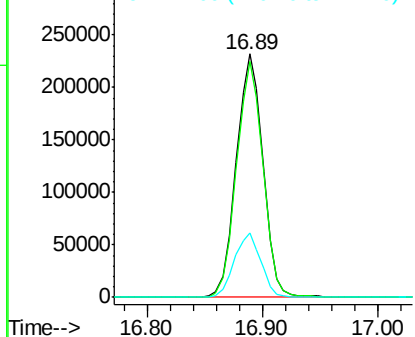
#41  
 2,4,6-Tribromophenol  
 Concen: 165.134 ng  
 RT: 16.89 min Scan# 2315  
 Delta R.T. -0.01 min  
 Lab File: BG031937.D  
 Acq: 5 Jan 2018 17:52

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HR-06-010318-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.3  | 77.0  | 115.6 |
| 141     | 26.4  | 25.2  | 37.8  |

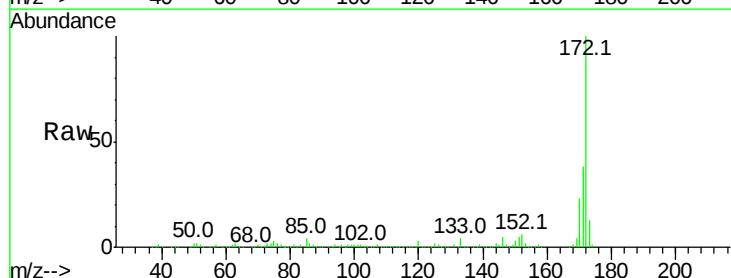


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

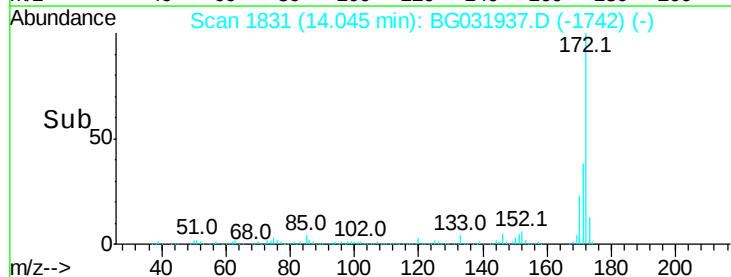
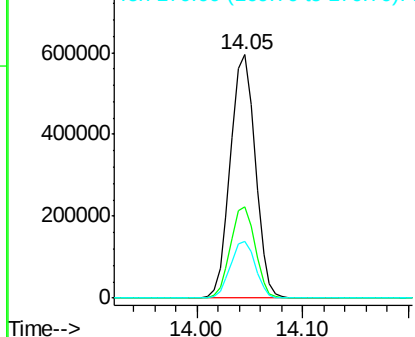


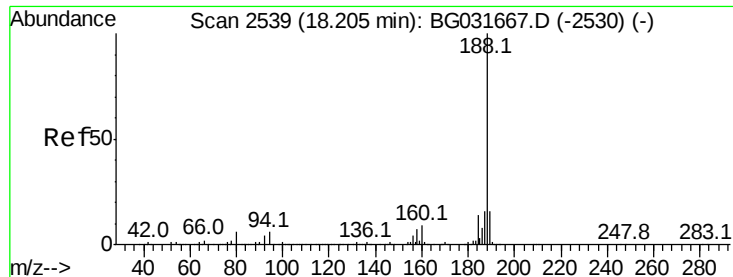
#44  
 2-Fluorobiphenyl  
 Concen: 82.882 ng  
 RT: 14.05 min Scan# 1831  
 Delta R.T. -0.01 min  
 Lab File: BG031937.D  
 Acq: 5 Jan 2018 17:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.5  | 30.0  | 45.0  |
| 170     | 23.3  | 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

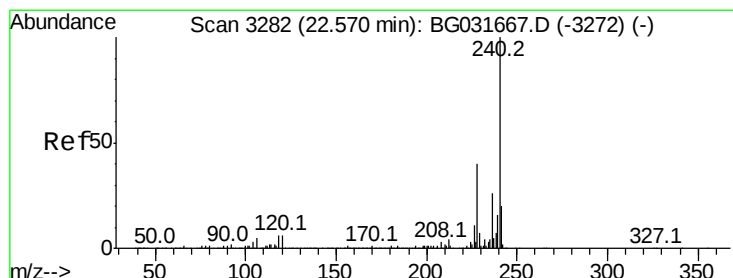
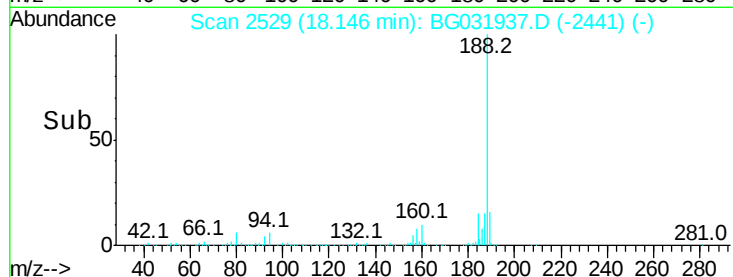
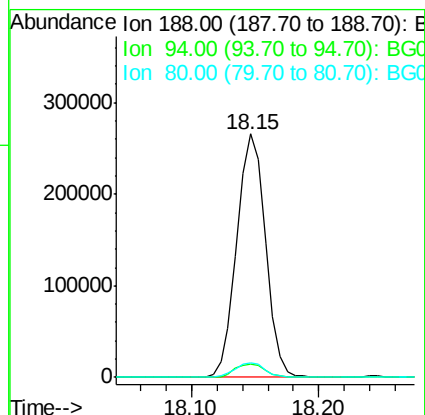
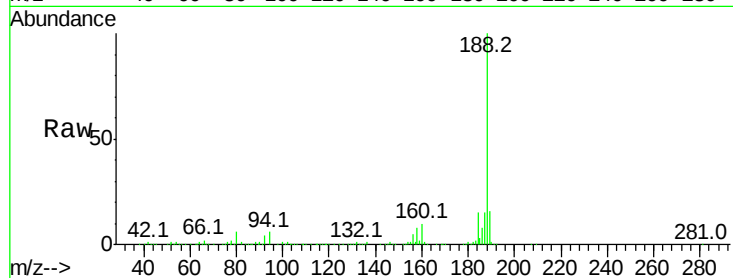




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.15 min Scan# 2529  
Delta R.T. -0.01 min  
Lab File: BG031937.D  
Acq: 5 Jan 2018 17:52

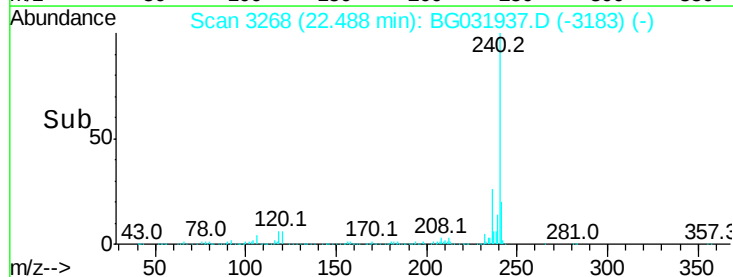
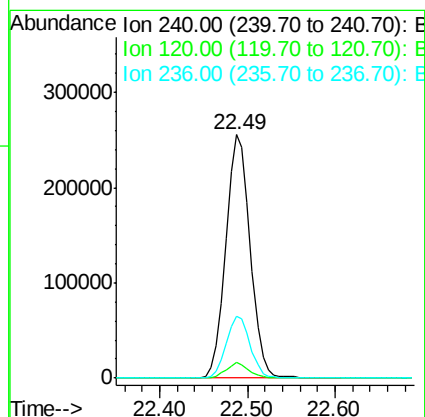
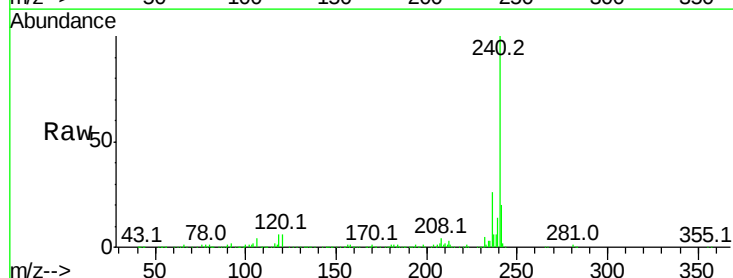
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HR-06-010318-B

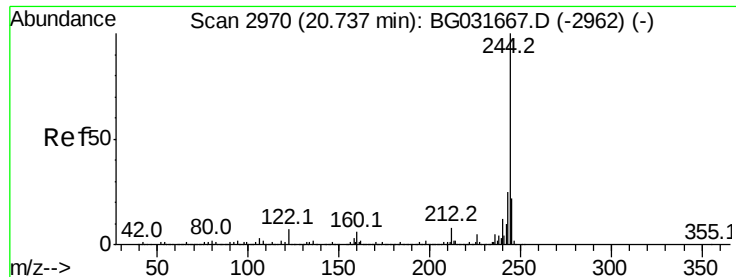
Tot Ion:188 Resp: 417275  
Ion Ratio Lower Upper  
188 100  
94 5.5 6.9 10.3#  
80 6.2 7.7 11.5#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.49 min Scan# 3268  
Delta R.T. -0.03 min  
Lab File: BG031937.D  
Acq: 5 Jan 2018 17:52

Tgt Ion:240 Resp: 487706  
Ion Ratio Lower Upper  
240 100  
120 6.2 6.8 10.2#  
236 25.5 20.9 31.3

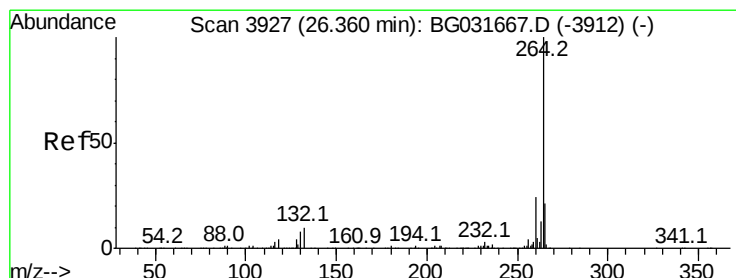
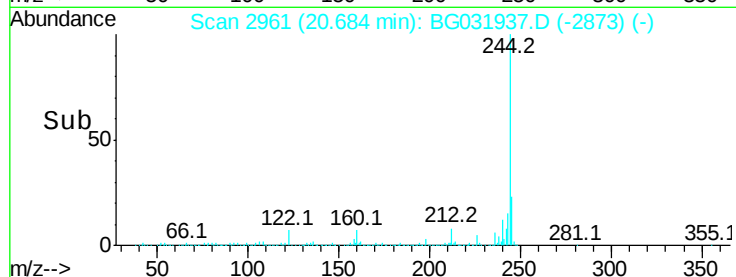
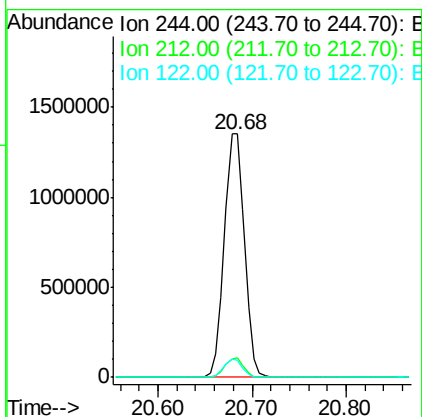
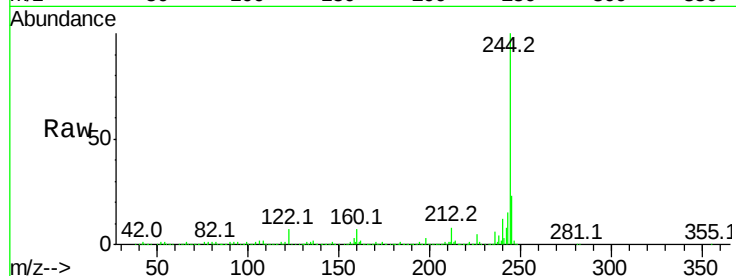




#78  
 Terphenyl-d14  
 Concen: 94.636 ng  
 RT: 20.68 min Scan# 2961  
 Delta R.T. -0.01 min  
 Lab File: BG031937.D  
 Acq: 5 Jan 2018 17:52

Instrument :  
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Tot Ion:244 Resp: 2020211  
 Ion Ratio Lower Upper  
 244 100  
 212 7.8 5.8 8.8  
 122 7.1 7.0 10.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 26.23 min Scan# 3904  
 Delta R.T. -0.07 min  
 Lab File: BG031937.D  
 Acq: 5 Jan 2018 17:52

Tgt Ion:264 Resp: 477649  
 Ion Ratio Lower Upper  
 264 100  
 260 23.2 17.4 26.0  
 265 21.2 17.7 26.5

