

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_G\DATA\BG010318\  
 Data File : BG031910.D  
 Acq On : 4 Jan 2018 3:52  
 Operator : SJ/JU  
 Sample : J1019-02  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EO-01-010218-A

Quant Time: Jan 04 08:30:49 2018  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG122117.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 29 15:51:46 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.79  | 152  | 58345    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.67 | 136  | 238587   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.42 | 164  | 160328   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 18.15 | 188  | 403108   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.50 | 240  | 443152   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 26.25 | 264  | 465369   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.21  | 112  | 442206   | 138.05 | ng    | 0.00     |
| 7) Phenol-d6                | 7.89  | 99   | 501419   | 120.56 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.99  | 82   | 356888   | 112.95 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.90 | 330  | 369012   | 150.84 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 14.05 | 172  | 1238478  | 96.95  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.69 | 244  | 2049245  | 105.65 | ng    | 0.00     |

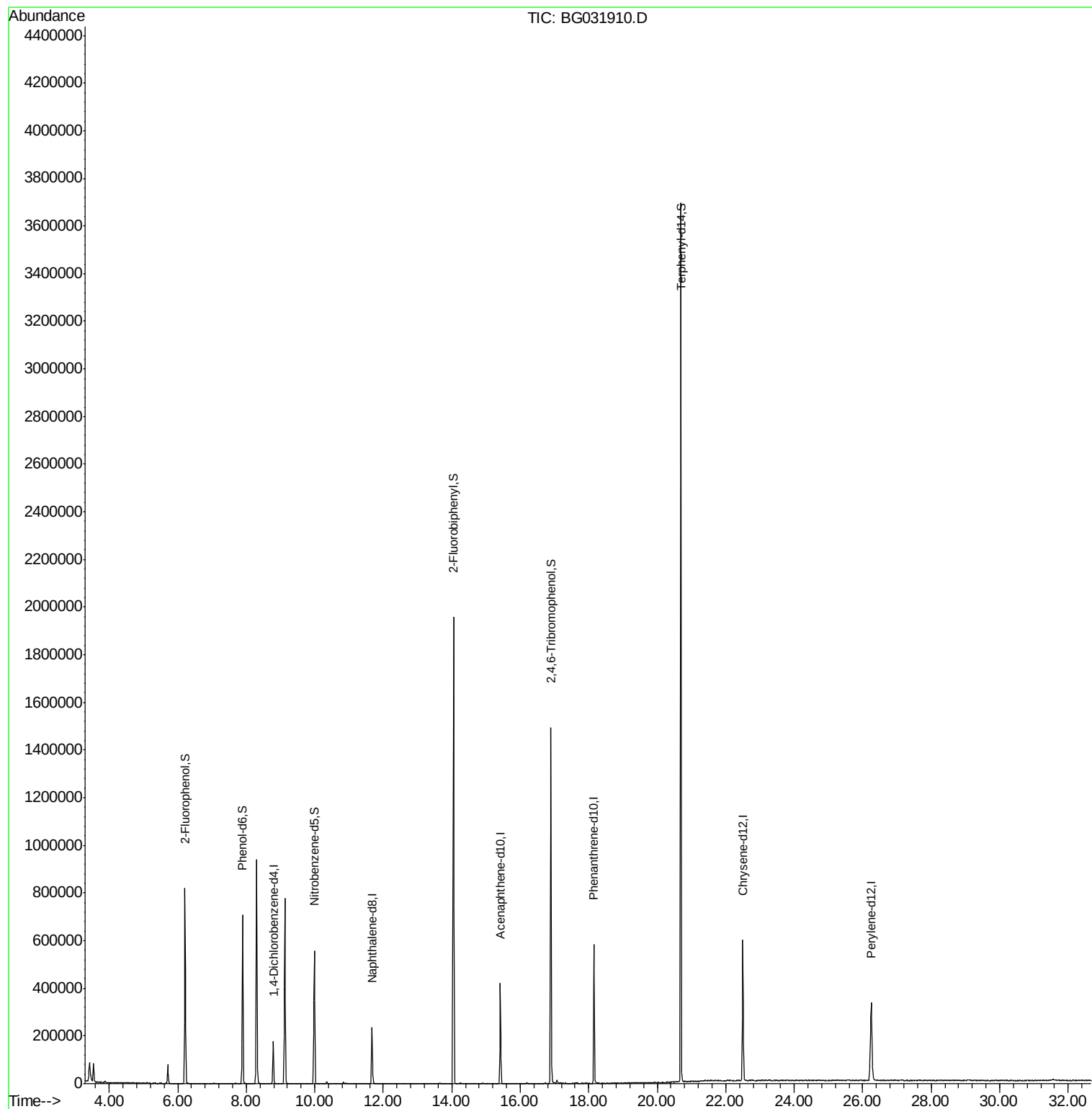
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

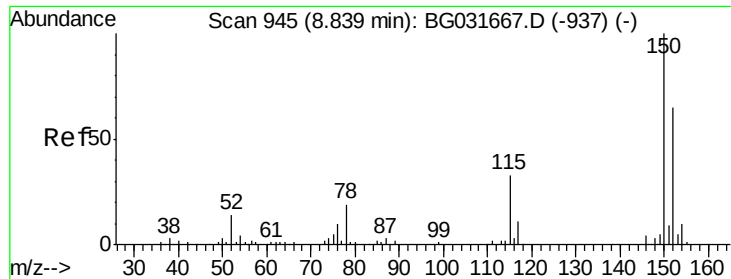
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



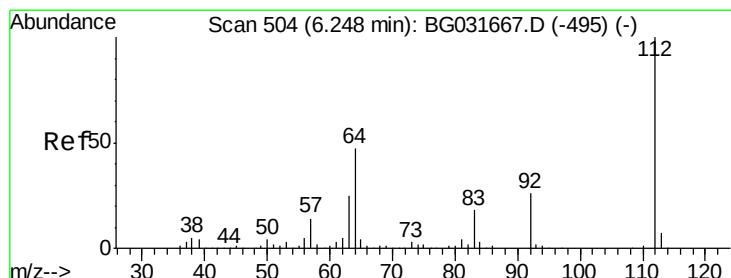
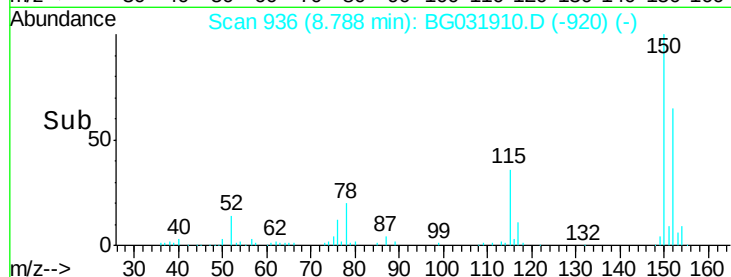
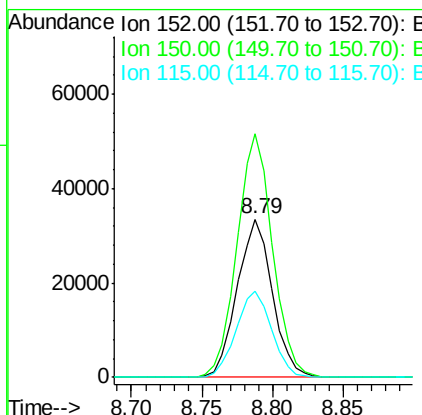
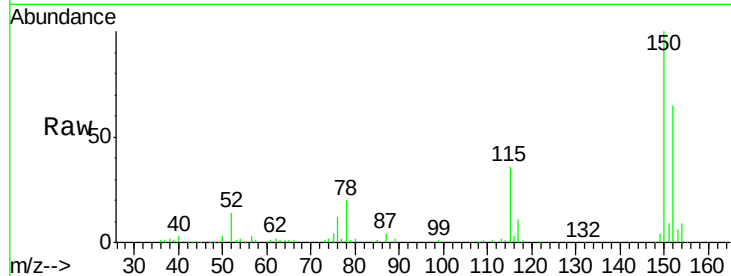


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.79 min Scan# 936  
Delta R.T. -0.01 min  
Lab File: BG031910.D  
Acq: 4 Jan 2018 3:52

Instrument :  
BNA\_G  
ClientSampleId :  
EO-01-010218-A

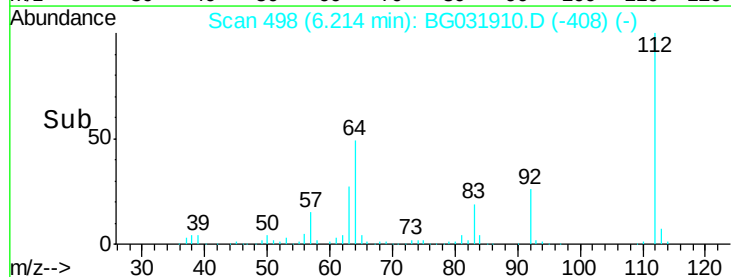
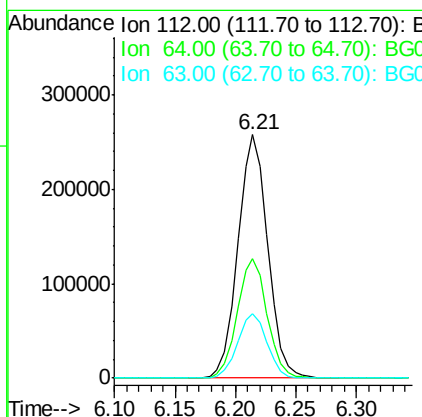
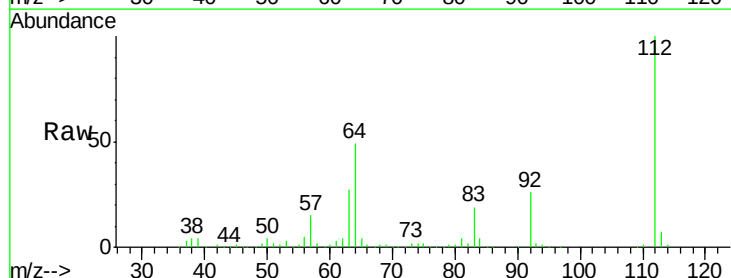
Tgt Ion:152 Resp: 58345  
Ion Ratio Lower Upper  
152 100  
150 154.1 126.6 189.8  
115 54.9 53.0 79.4

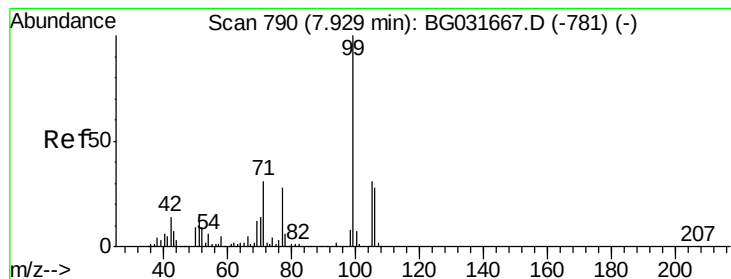


#5

2-Fluorophenol  
Concen: 138.046 ng  
RT: 6.21 min Scan# 498  
Delta R.T. 0.00 min  
Lab File: BG031910.D  
Acq: 4 Jan 2018 3:52

Tgt Ion:112 Resp: 442206  
Ion Ratio Lower Upper  
112 100  
64 49.3 56.3 84.5#  
63 26.6 30.1 45.1#





#7

Phenol-d6

Concen: 120.563 ng

RT: 7.89 min Scan# 784

Delta R.T. 0.00 min

Lab File: BG031910.D

Acq: 4 Jan 2018 3:52

Instrument :

BNA\_G

ClientSampleId :

EO-01-010218-A

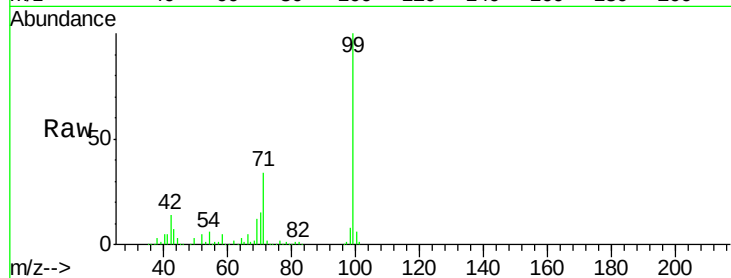
Tgt Ion: 99 Resp: 501419

Ion Ratio Lower Upper

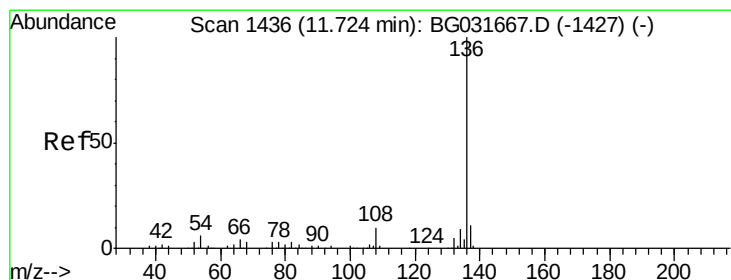
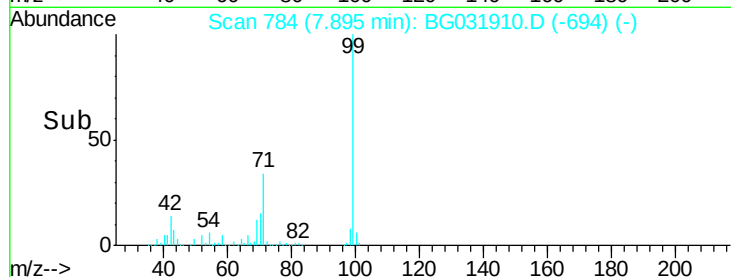
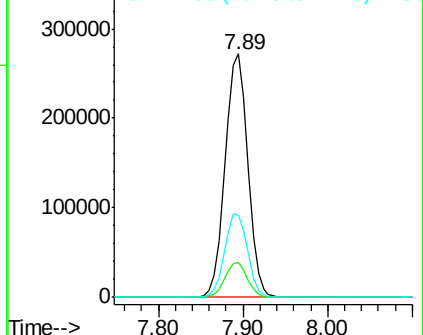
99 100

42 14.3 14.1 21.1

71 33.6 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# 1427

Delta R.T. -0.01 min

Lab File: BG031910.D

Acq: 4 Jan 2018 3:52

Tgt Ion: 136 Resp: 238587

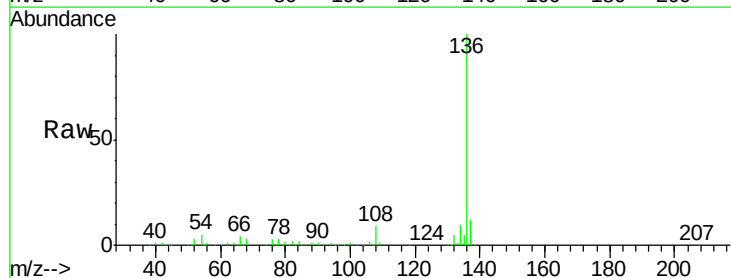
Ion Ratio Lower Upper

136 100

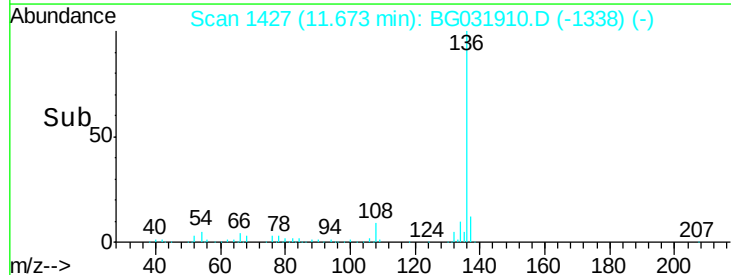
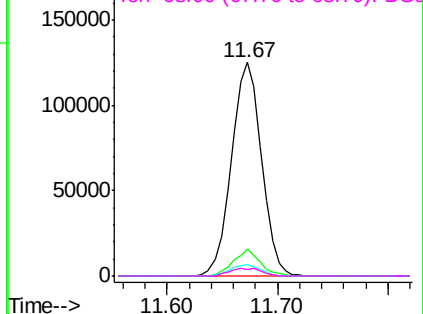
137 12.4 9.2 13.8

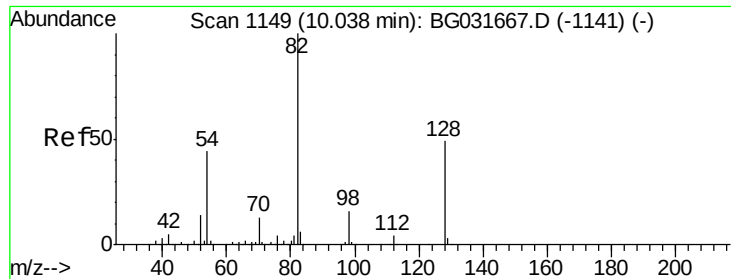
54 5.2 10.3 15.5#

68 3.1 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

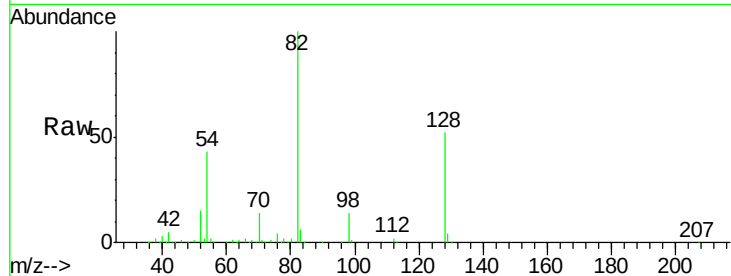




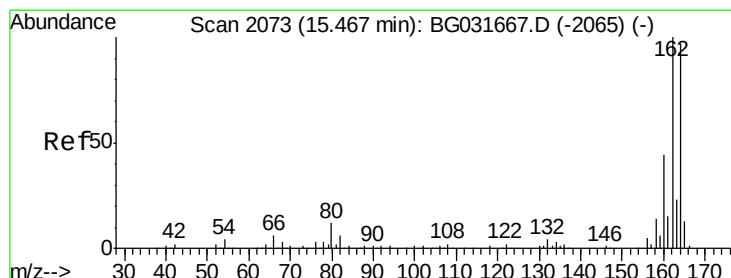
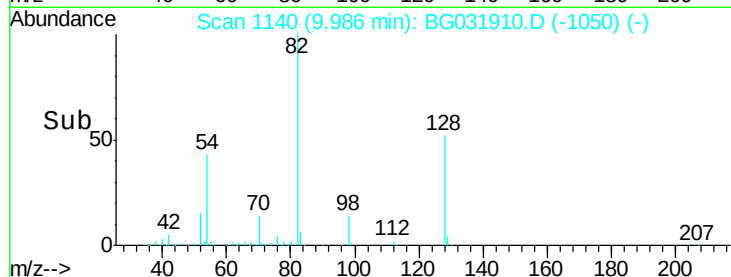
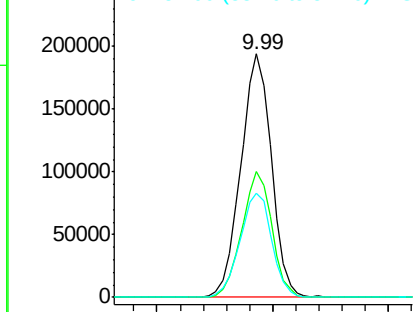
#23  
 Nitrobenzene-d5  
 Concen: 112.954 ng  
 RT: 9.99 min Scan# 1140  
 Delta R.T. 0.00 min  
 Lab File: BG031910.D  
 Acq: 4 Jan 2018 3:52

Instrument :  
 BNA\_G  
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 EO-01-010218-A

Tgt Ion: 82 Resp: 356888  
 Ion Ratio Lower Upper  
 82 100  
 128 51.5 29.7 44.5#  
 54 42.5 43.1 64.7#

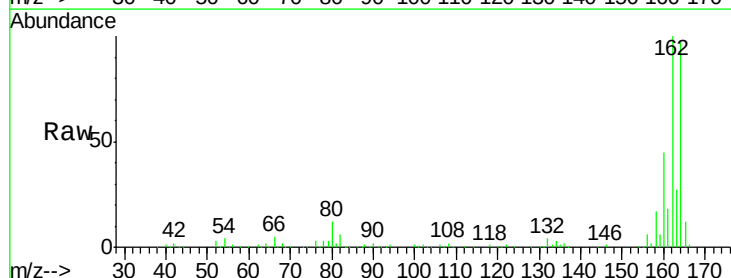


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

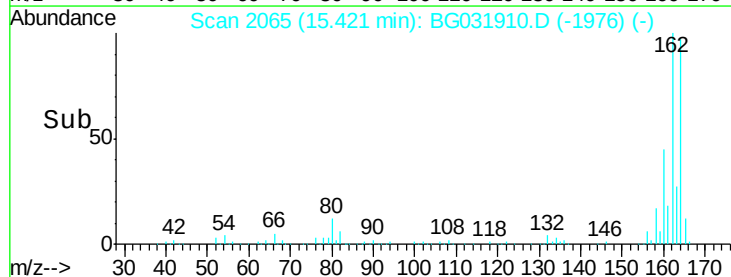
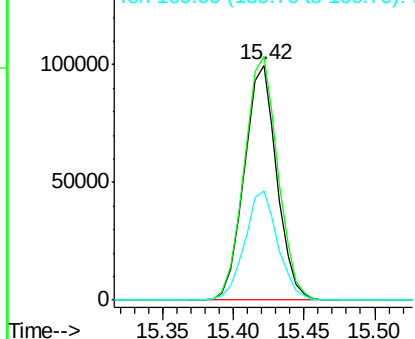


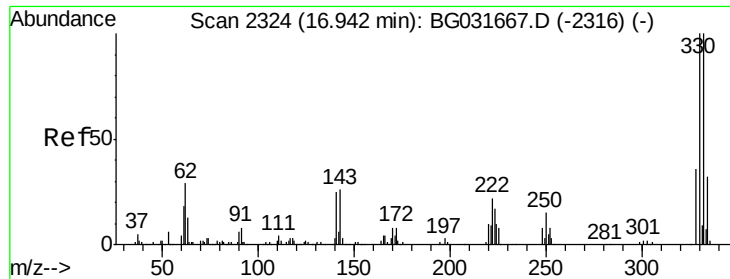
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.42 min Scan# 2065  
 Delta R.T. -0.01 min  
 Lab File: BG031910.D  
 Acq: 4 Jan 2018 3:52

Tgt Ion: 164 Resp: 160328  
 Ion Ratio Lower Upper  
 164 100  
 162 103.5 78.8 118.2  
 160 46.2 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

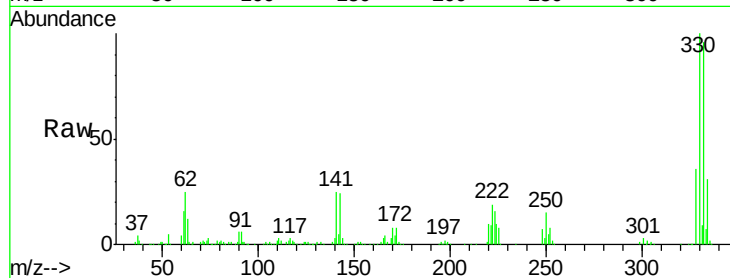




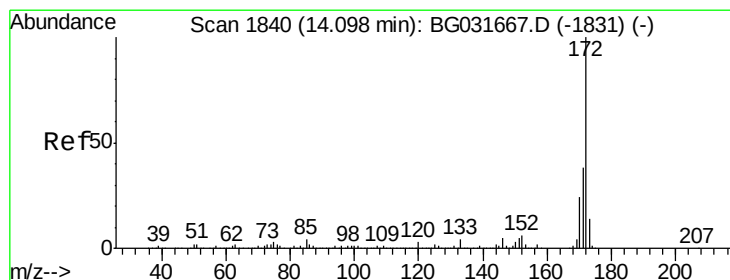
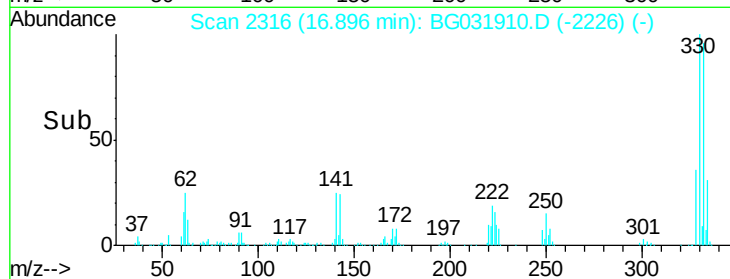
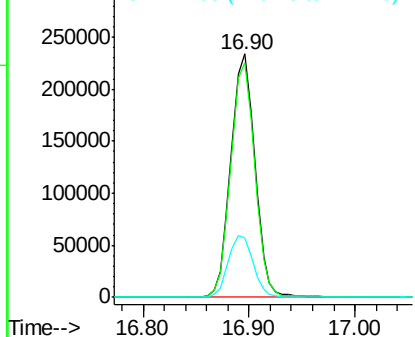
#41  
 2,4,6-Tribromophenol  
 Concen: 150.840 ng  
 RT: 16.90 min Scan# 2316  
 Delta R.T. 0.00 min  
 Lab File: BG031910.D  
 Acq: 4 Jan 2018 3:52

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EO-01-010218-A

Tgt Ion:330 Resp: 369012  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 77.0 115.6  
 141 26.4 25.2 37.8

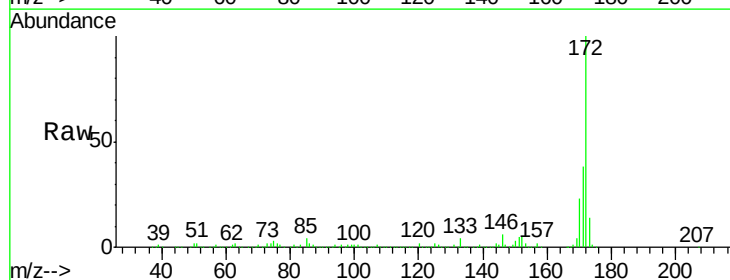


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

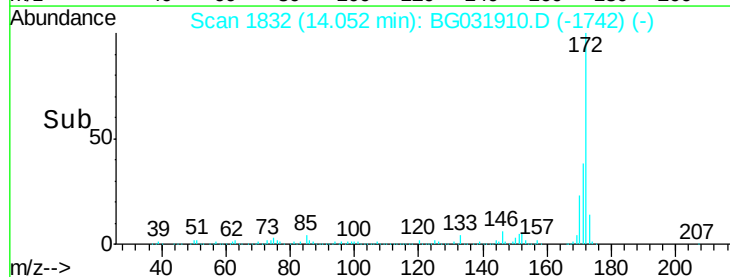
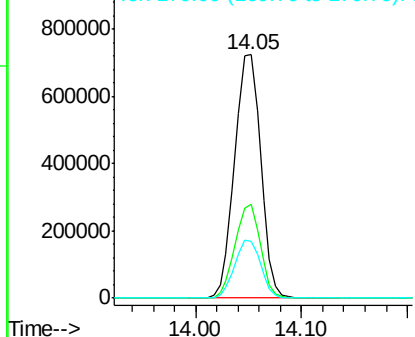


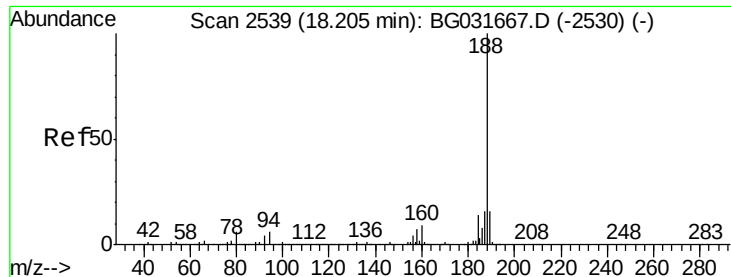
#44  
 2-Fluorobiphenyl  
 Concen: 96.955 ng  
 RT: 14.05 min Scan# 1832  
 Delta R.T. 0.00 min  
 Lab File: BG031910.D  
 Acq: 4 Jan 2018 3:52

Tgt Ion:172 Resp: 1238478  
 Ion Ratio Lower Upper  
 172 100  
 171 38.5 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

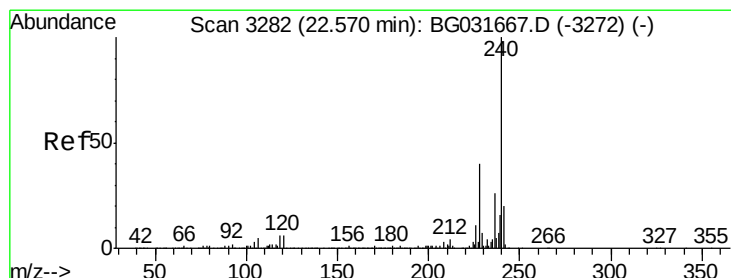
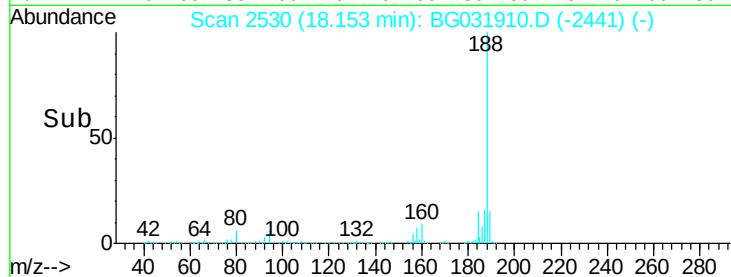
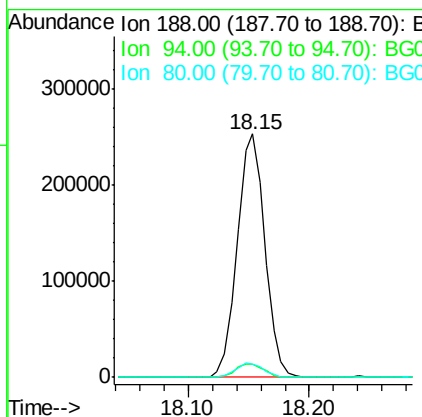
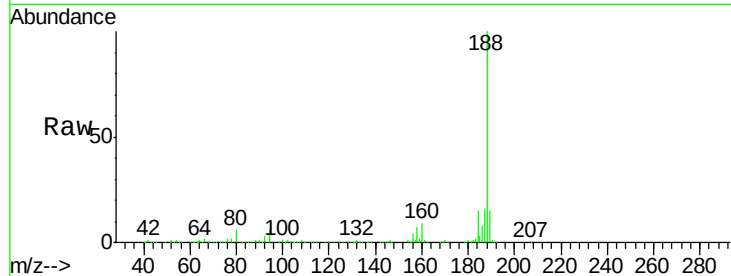




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.15 min Scan# 2530  
Delta R.T. -0.01 min  
Lab File: BG031910.D  
Acq: 4 Jan 2018 3:52

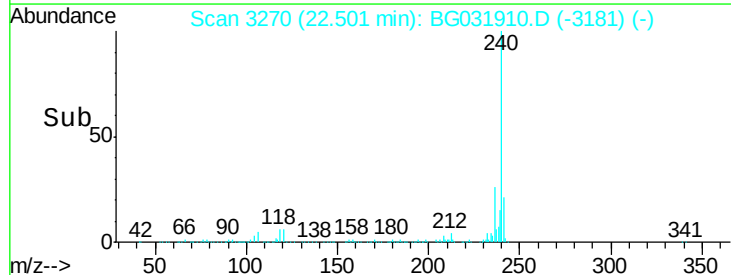
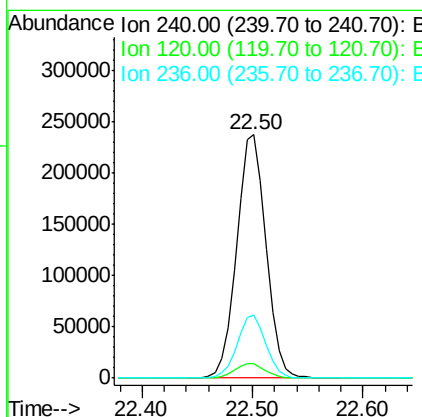
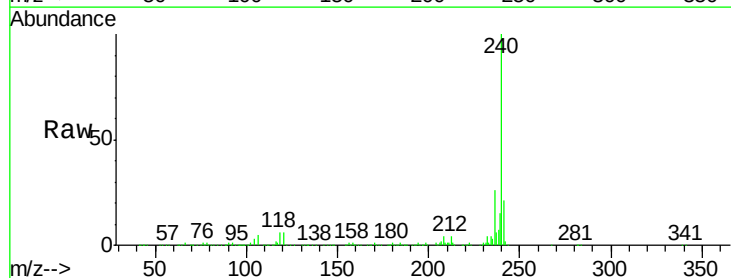
Instrument :  
BNA\_G  
ClientSampleId :  
EO-01-010218-A

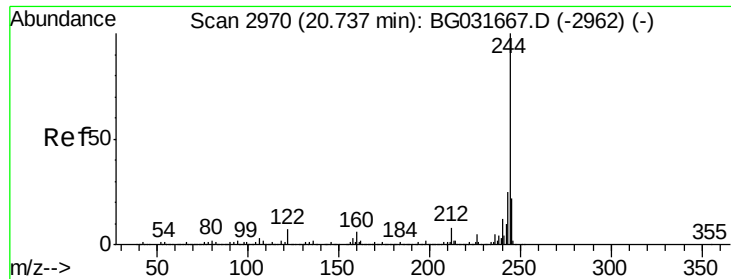
Tgt Ion:188 Resp: 403108  
Ion Ratio Lower Upper  
188 100  
94 5.7 6.9 10.3#  
80 5.7 7.7 11.5#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.50 min Scan# 3270  
Delta R.T. -0.01 min  
Lab File: BG031910.D  
Acq: 4 Jan 2018 3:52

Tgt Ion:240 Resp: 443152  
Ion Ratio Lower Upper  
240 100  
120 6.1 6.8 10.2#  
236 26.2 20.9 31.3

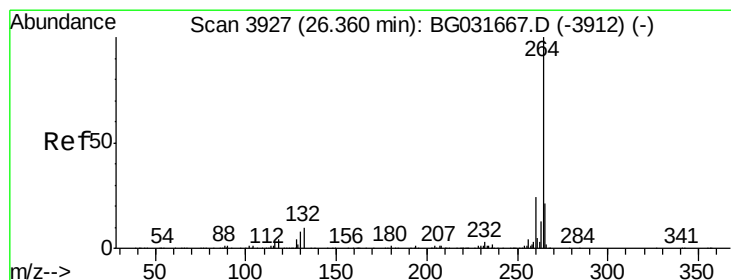
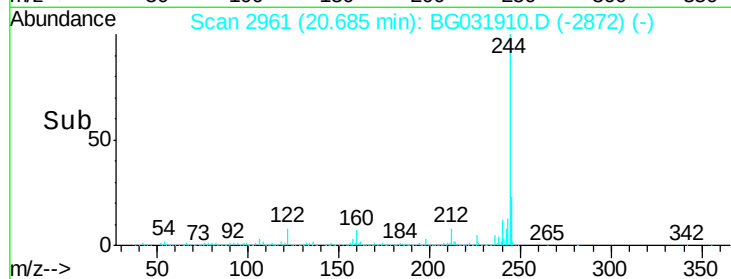
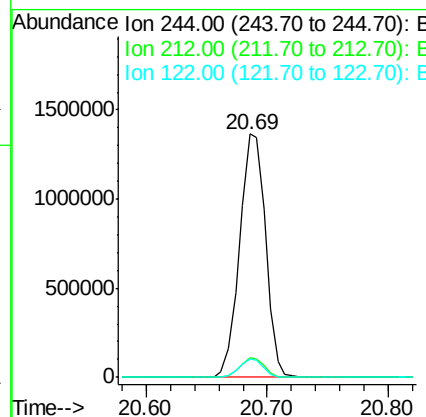
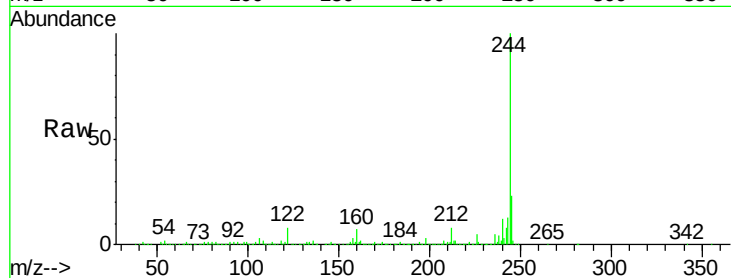




#78  
 Terphenyl-d14  
 Concen: 105.648 ng  
 RT: 20.69 min Scan# 2961  
 Delta R.T. -0.01 min  
 Lab File: BG031910.D  
 Acq: 4 Jan 2018 3:52

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EO-01-010218-A

Tgt Ion:244 Resp: 2049245  
 Ion Ratio Lower Upper  
 244 100  
 212 7.8 5.8 8.8  
 122 7.8 7.0 10.4



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 26.25 min Scan# 3908  
 Delta R.T. -0.01 min  
 Lab File: BG031910.D  
 Acq: 4 Jan 2018 3:52

Tgt Ion:264 Resp: 465369  
 Ion Ratio Lower Upper  
 264 100  
 260 22.2 17.4 26.0  
 265 22.5 17.7 26.5

