

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG111517\  
 Data File : BG031013.D  
 Acq On : 15 Nov 2017 13:41  
 Operator : SJ/JU  
 Sample : I6307-06  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EO-02-111017-C

Quant Time: Nov 15 15:46:57 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG111017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 10 15:38:25 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.14  | 152  | 30671    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.96 | 136  | 119302   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.76 | 164  | 78737    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.50 | 188  | 248847   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.77 | 240  | 384994   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 25.07 | 264  | 160290   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.70  | 112  | 245275   | 137.13 | ng    | 0.00     |
| 7) Phenol-d6                | 7.31  | 99   | 259953   | 107.88 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.31  | 82   | 205487   | 102.06 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.24 | 330  | 269018   | 211.21 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.38 | 172  | 663492   | 121.08 | ng    | -0.02    |
| 78) Terphenyl-d14           | 20.09 | 244  | 1688699  | 96.85  | ng    | -0.01    |

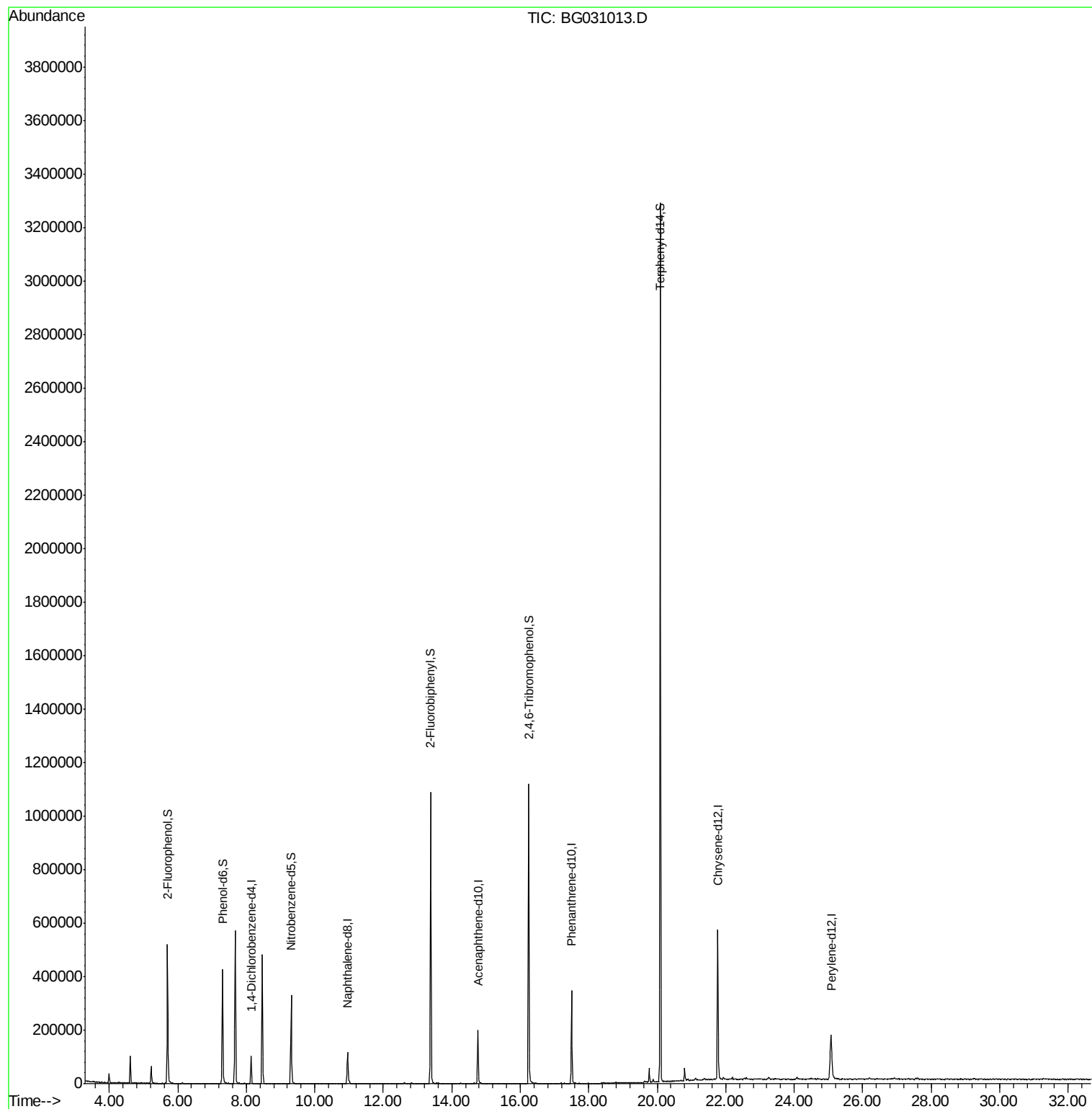
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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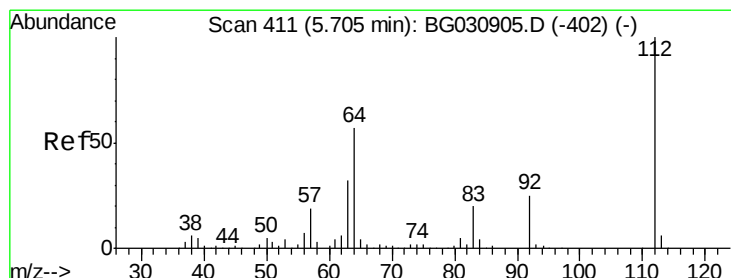
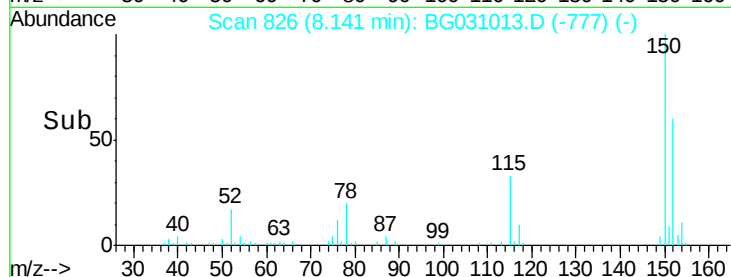
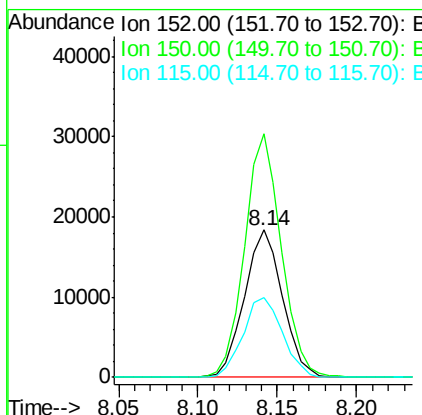
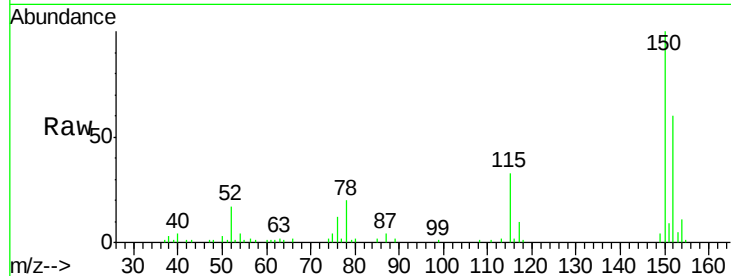




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 8.14 min Scan# 826  
 Delta R.T. -0.01 min  
 Lab File: BG031013.D  
 Acq: 15 Nov 2017 13:41

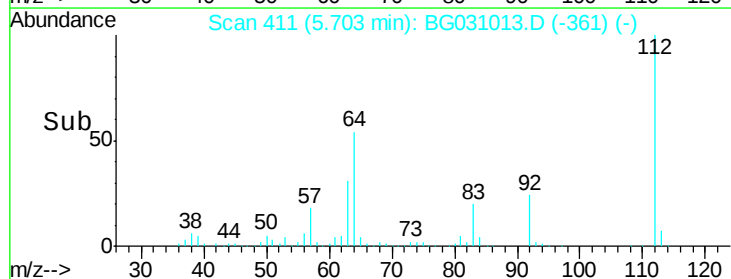
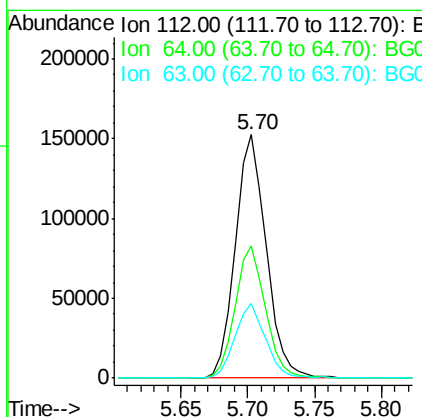
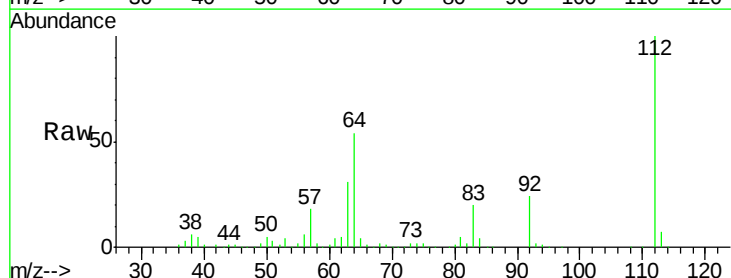
Instrument :  
 BNA\_G  
 ClientSampleId :  
 EO-02-111017-C

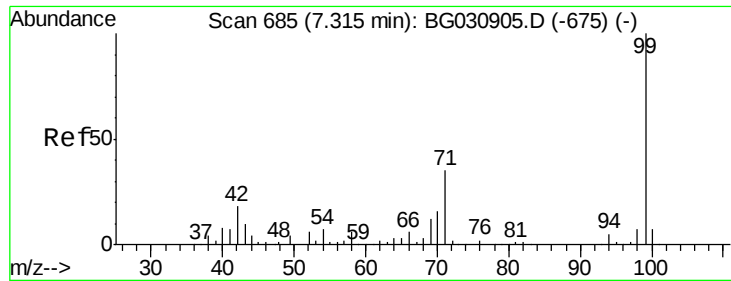
Tgt Ion:152 Resp: 30671  
 Ion Ratio Lower Upper  
 152 100  
 150 165.4 126.6 189.8  
 115 54.3 53.0 79.4



#5  
 2-Fluorophenol  
 Concen: 137.129 ng  
 RT: 5.70 min Scan# 411  
 Delta R.T. -0.01 min  
 Lab File: BG031013.D  
 Acq: 15 Nov 2017 13:41

Tgt Ion:112 Resp: 245275  
 Ion Ratio Lower Upper  
 112 100  
 64 54.4 56.3 84.5#  
 63 30.5 30.1 45.1





#7

Phenol-d6

Concen: 107.878 ng

RT: 7.31 min Scan# 684

Delta R.T. 0.00 min

Lab File: BG031013.D

Acq: 15 Nov 2017 13:41

Instrument :

BNA\_G

ClientSampleId :

EO-02-111017-C

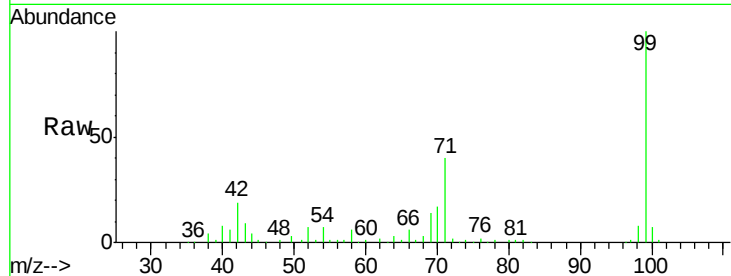
Tgt Ion: 99 Resp: 259953

Ion Ratio Lower Upper

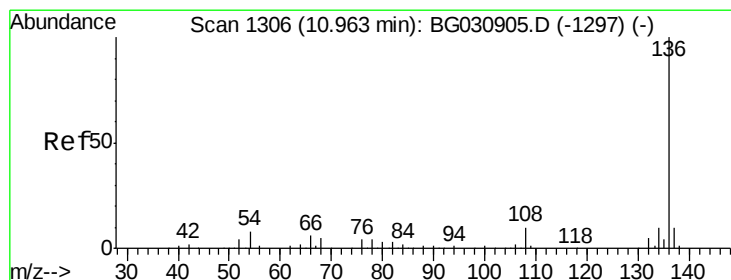
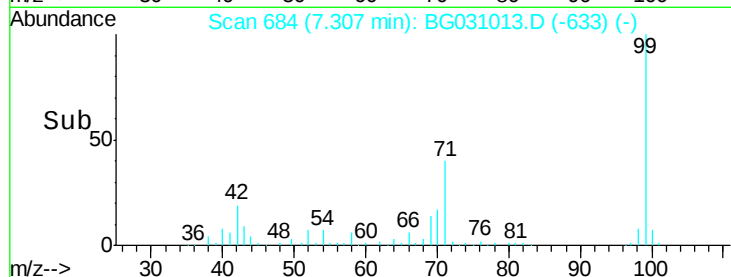
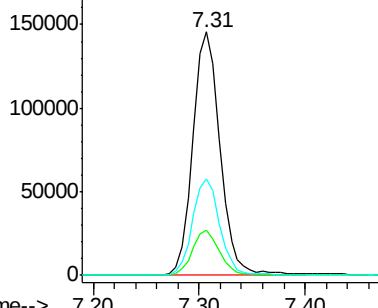
99 100

42 18.8 14.1 21.1

71 39.7 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: 10.96 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BG031013.D

Acq: 15 Nov 2017 13:41

Tgt Ion: 136 Resp: 119302

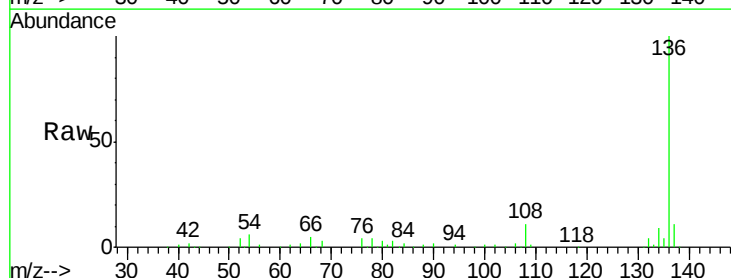
Ion Ratio Lower Upper

136 100

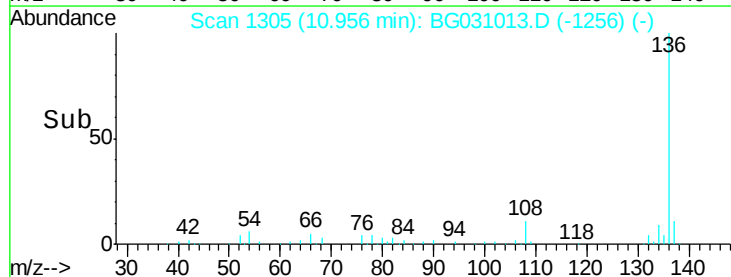
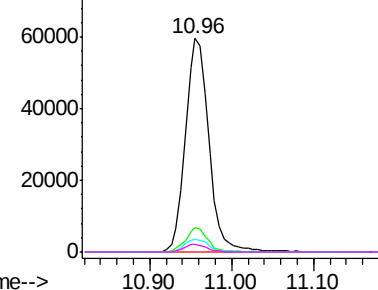
137 11.3 9.2 13.8

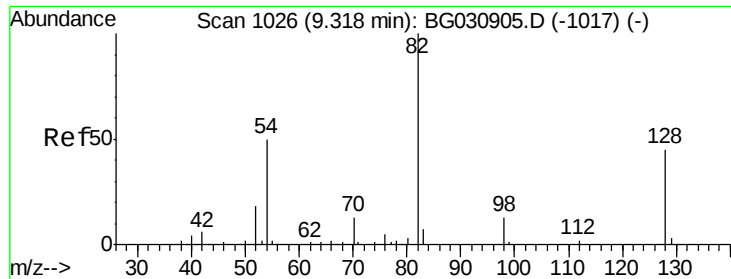
54 5.7 10.3 15.5#

68 3.5 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

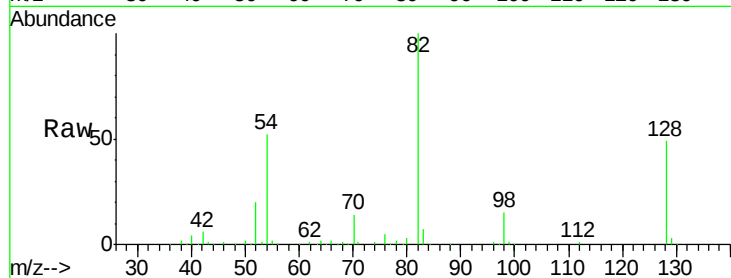




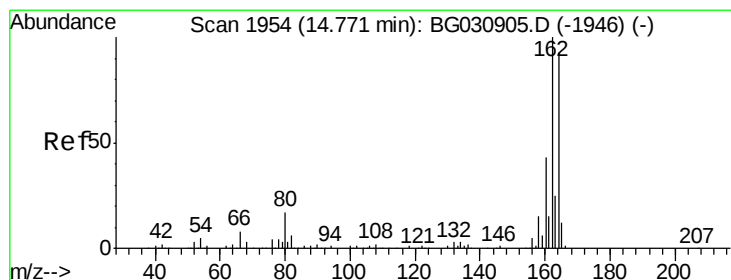
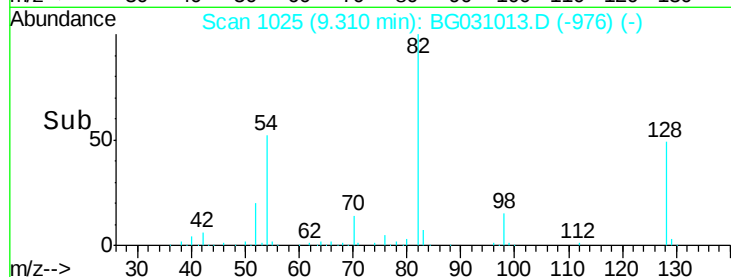
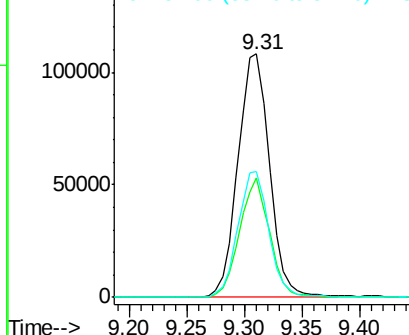
#23  
 Nitrobenzene-d5  
 Concen: 102.064 ng  
 RT: 9.31 min Scan# 1025  
 Delta R.T. -0.01 min  
 Lab File: BG031013.D  
 Acq: 15 Nov 2017 13:41

Instrument :  
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Tgt Ion: 82 Resp: 205487  
 Ion Ratio Lower Upper  
 82 100  
 128 48.9 29.7 44.5#  
 54 51.6 43.1 64.7

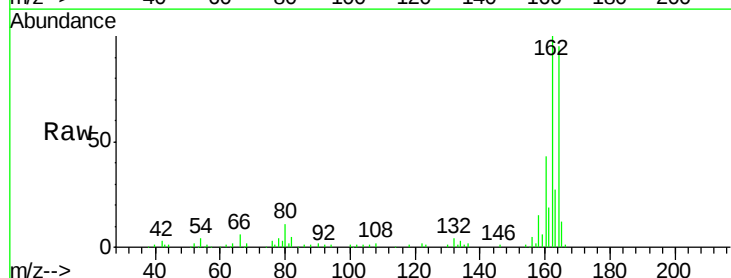


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

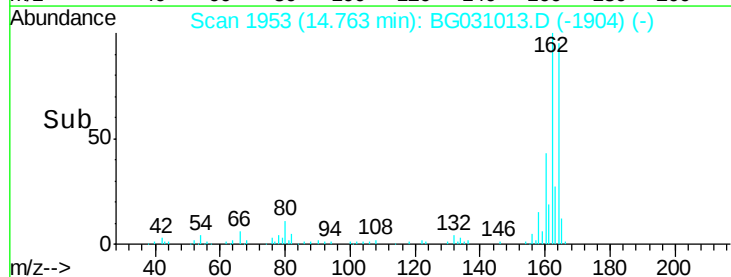
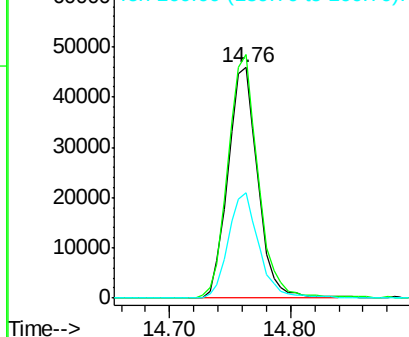


#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.76 min Scan# 1953  
 Delta R.T. -0.01 min  
 Lab File: BG031013.D  
 Acq: 15 Nov 2017 13:41

Tgt Ion: 164 Resp: 78737  
 Ion Ratio Lower Upper  
 164 100  
 162 105.6 78.8 118.2  
 160 45.5 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

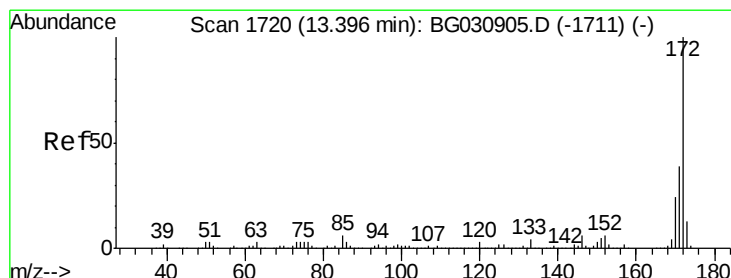
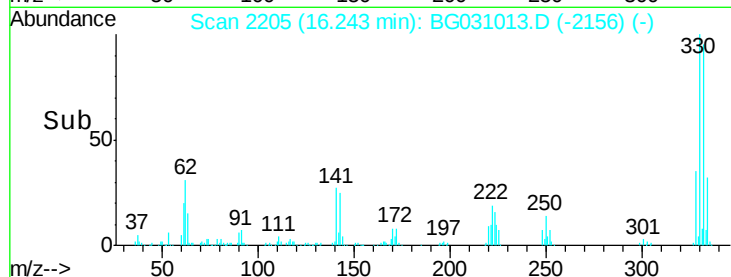
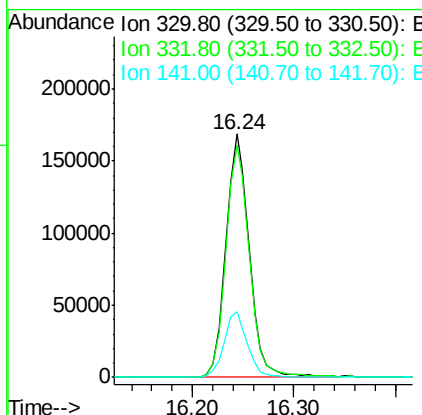
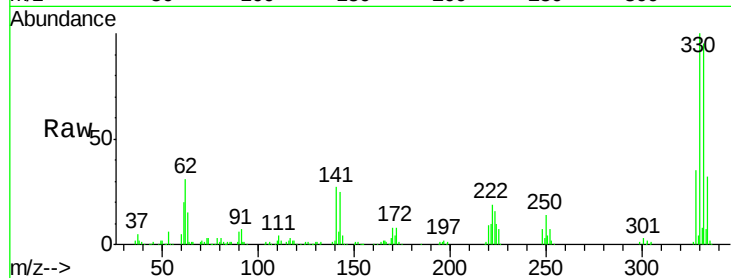




#41  
 2,4,6-Tribromophenol  
 Concen: 211.208 ng  
 RT: 16.24 min Scan# 2205  
 Delta R.T. -0.01 min  
 Lab File: BG031013.D  
 Acq: 15 Nov 2017 13:41

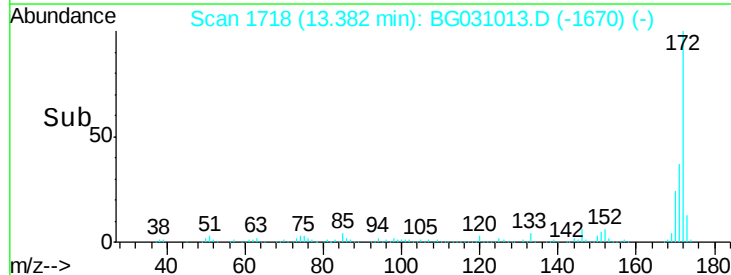
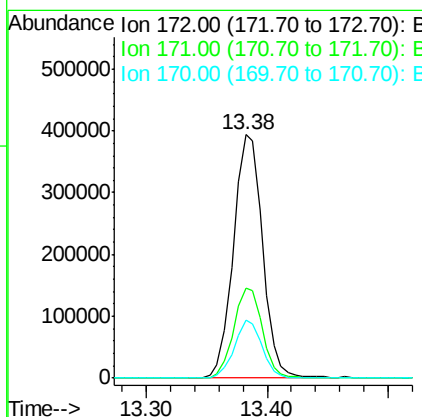
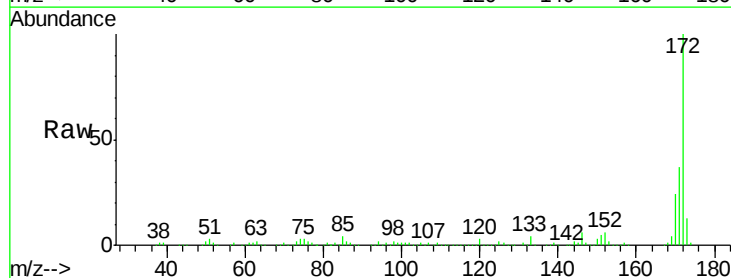
Instrument :  
 BNA\_G  
 ClientSampleId :  
 EO-02-111017-C

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.1  | 77.0  | 115.6 |
| 141     | 26.9  | 25.2  | 37.8  |



#44  
 2-Fluorobiphenyl  
 Concen: 121.082 ng  
 RT: 13.38 min Scan# 1718  
 Delta R.T. -0.02 min  
 Lab File: BG031013.D  
 Acq: 15 Nov 2017 13:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.2  | 30.0  | 45.0  |
| 170     | 23.6  | 19.5  | 29.3  |





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.50 min Scan# 2419

Delta R.T. -0.01 min

Lab File: BG031013.D

Acq: 15 Nov 2017 13:41

Instrument :

BNA\_G

ClientSampleId :

EO-02-111017-C

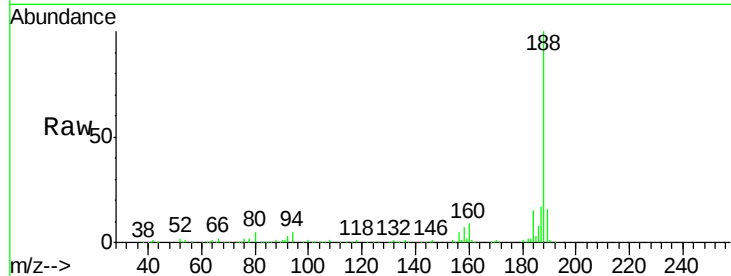
Tgt Ion:188 Resp: 248847

Ion Ratio Lower Upper

188 100

94 4.8 6.9 10.3#

80 4.7 7.7 11.5#

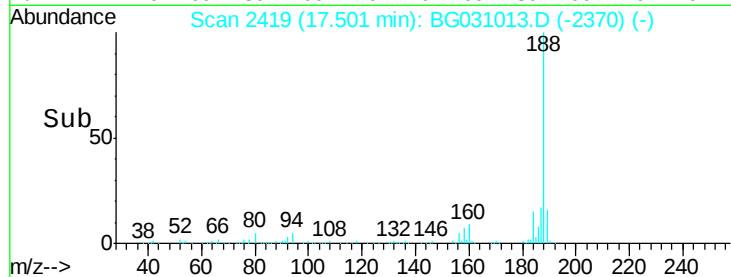


Abundance Ion 188.00 (187.70 to 188.70): E

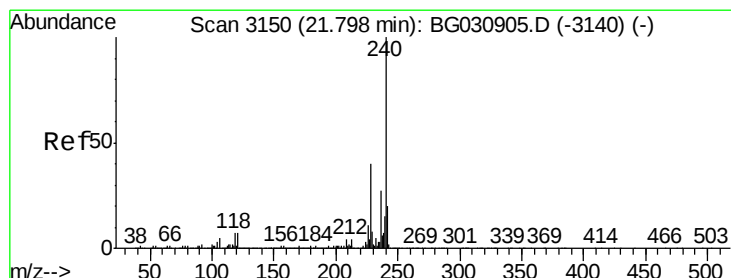
Ion 94.00 (93.70 to 94.70): B

Ion 80.00 (79.70 to 80.70): B

17.50



Time--> 17.40 17.50 17.60



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.77 min Scan# 3145

Delta R.T. -0.02 min

Lab File: BG031013.D

Acq: 15 Nov 2017 13:41

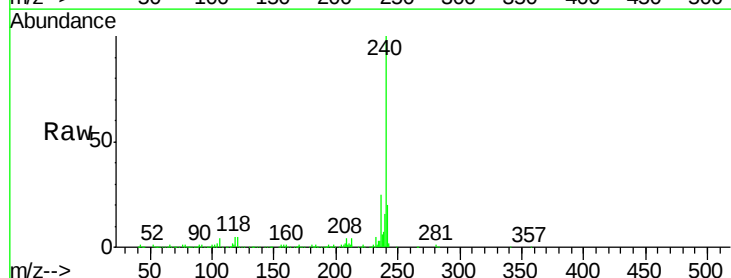
Tgt Ion:240 Resp: 384994

Ion Ratio Lower Upper

240 100

120 4.9 6.8 10.2#

236 25.5 20.9 31.3

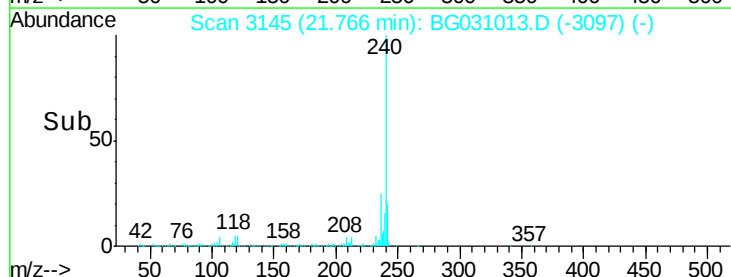


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

21.77



Time--> 21.70 21.80 21.90



#78

Terphenyl-d14

Concen: 96.853 ng

RT: 20.09 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BG031013.D

Acq: 15 Nov 2017 13:41

Instrument :

BNA\_G

ClientSampleId :

EO-02-111017-C

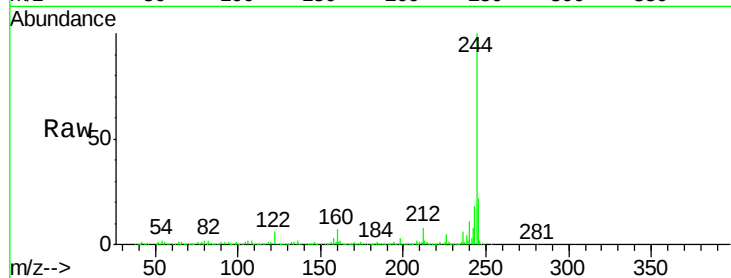
Tgt Ion:244 Resp: 1688699

Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

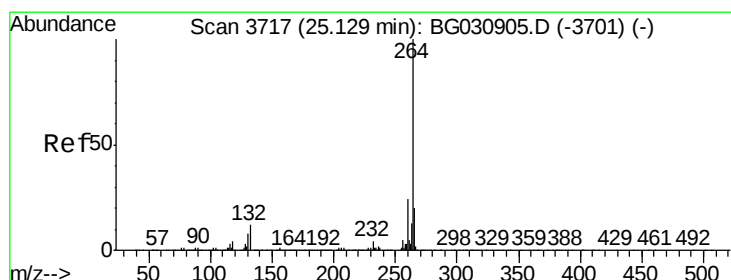
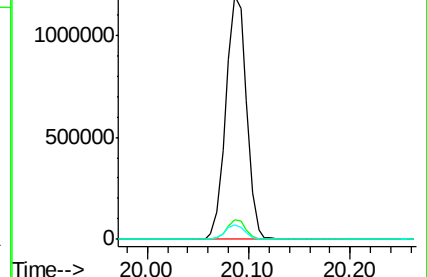
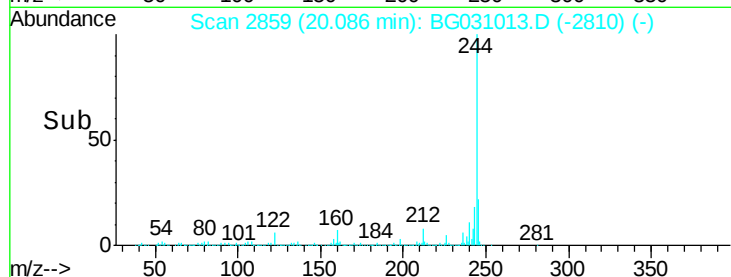
122 6.2 7.0 10.4#



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: 25.07 min Scan# 3707

Delta R.T. -0.02 min

Lab File: BG031013.D

Acq: 15 Nov 2017 13:41

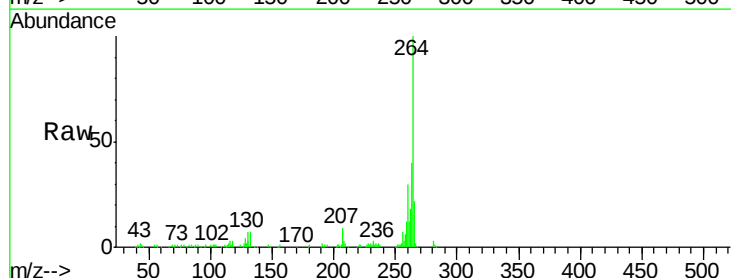
Tgt Ion:264 Resp: 160290

Ion Ratio Lower Upper

264 100

260 29.7 17.4 26.0#

265 22.3 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

