

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031618\  
 Data File : BG033224.D  
 Acq On : 17 Mar 2018 8:45  
 Operator : SJ/JU  
 Sample : J1931-09  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 1509-12-OILY-DEBRIS

Quant Time: Mar 19 04:37:14 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 14 13:59:34 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.90  | 152  | 36908    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.78 | 136  | 145209   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.51 | 164  | 107794   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 18.24 | 188  | 314608   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.60 | 240  | 332111   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 26.40 | 264  | 350939   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.31  | 112  | 293027   | 127.02 | ng    | 0.00     |
| 7) Phenol-d6                | 8.00  | 99   | 398737   | 124.00 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 10.09 | 82   | 299862   | 136.50 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.99 | 330  | 263064   | 232.10 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 14.14 | 172  | 691582   | 92.53  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.76 | 244  | 1441852  | 97.54  | ng    | 0.00     |

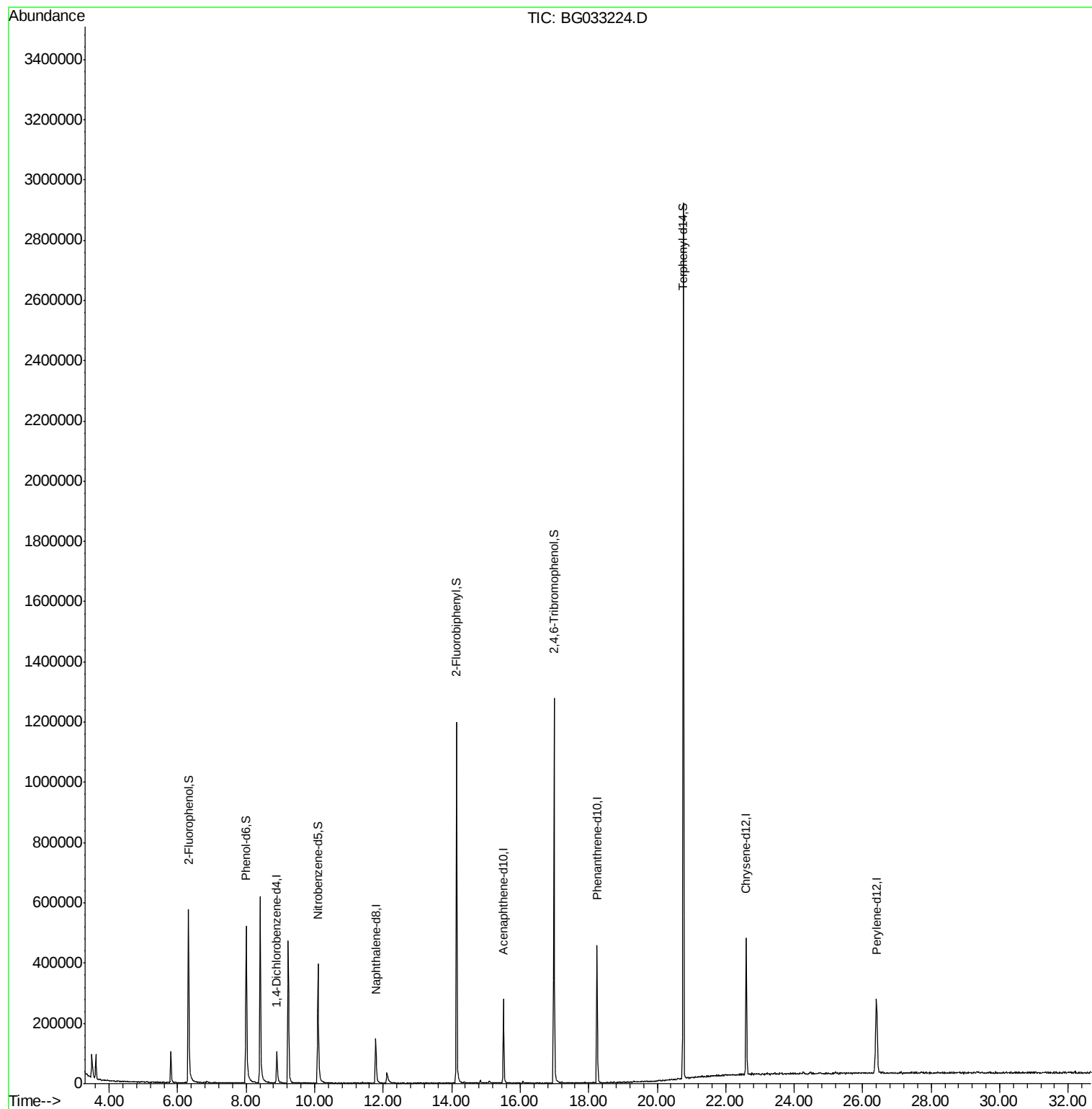
Target Compounds Qvalue

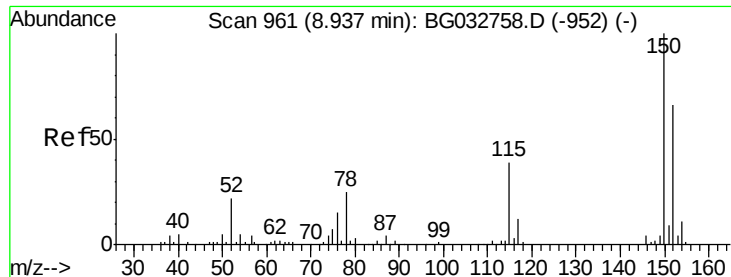
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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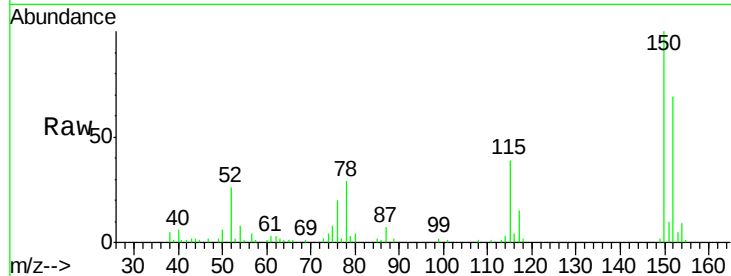


#1

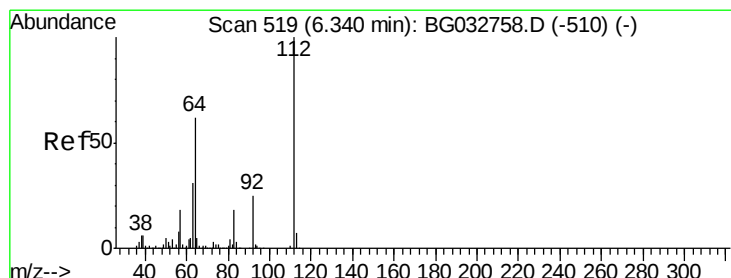
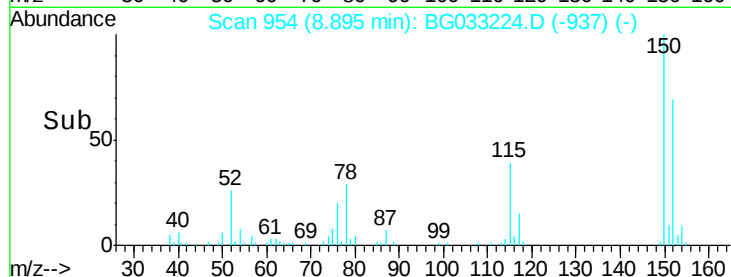
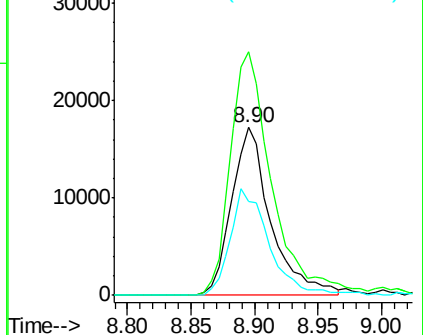
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.90 min Scan# 954  
Delta R.T. -0.00 min  
Lab File: BG033224.D  
Acq: 17 Mar 2018 8:45

Instrument :  
BNA\_G  
ClientSampleId :  
1509-12-OILY-DEBRIS

Tot Ion:152 Resp: 36908  
Ion Ratio Lower Upper  
152 100  
150 145.0 126.6 189.8  
115 56.1 53.0 79.4



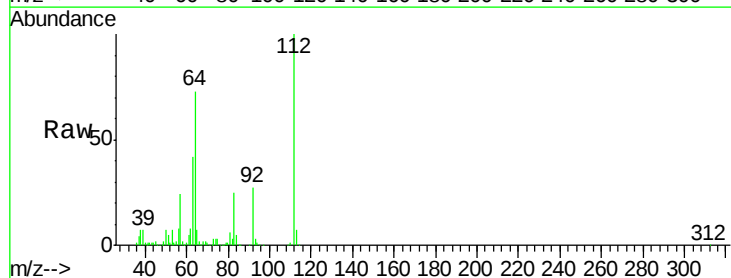
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



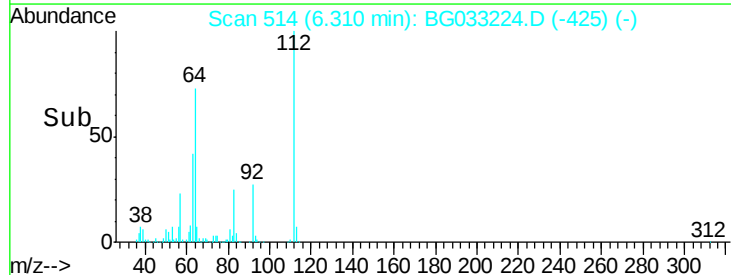
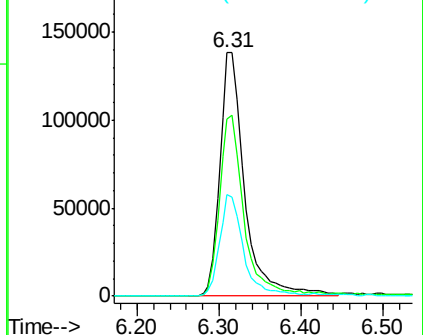
#5

2-Fluorophenol  
Concen: 127.019 ng  
RT: 6.31 min Scan# 514  
Delta R.T. -0.01 min  
Lab File: BG033224.D  
Acq: 17 Mar 2018 8:45

Tgt Ion:112 Resp: 293027  
Ion Ratio Lower Upper  
112 100  
64 72.9 56.3 84.5  
63 41.7 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: 124.002 ng

RT: 8.00 min Scan# 801

Delta R.T. -0.01 min

Lab File: BG033224.D

Acq: 17 Mar 2018 8:45

Instrument :

BNA\_G

ClientSampleId :

1509-12-OILY-DEBRIS

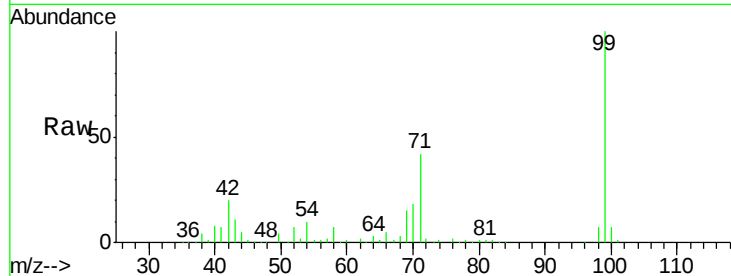
Tot Ion: 99 Resp: 398737

Ion Ratio Lower Upper

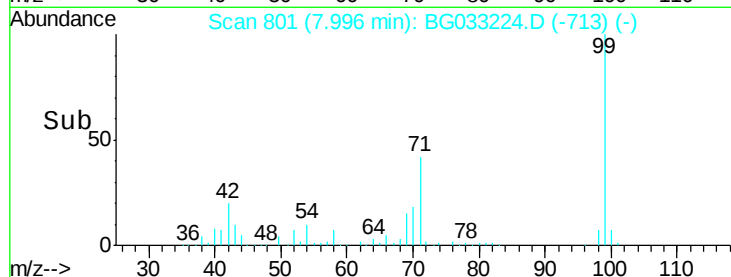
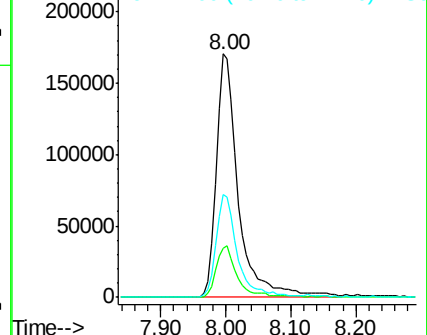
99 100

42 20.0 14.1 21.1

71 42.4 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: 11.78 min Scan# 1445

Delta R.T. -0.01 min

Lab File: BG033224.D

Acq: 17 Mar 2018 8:45

Tgt Ion: 136 Resp: 145209

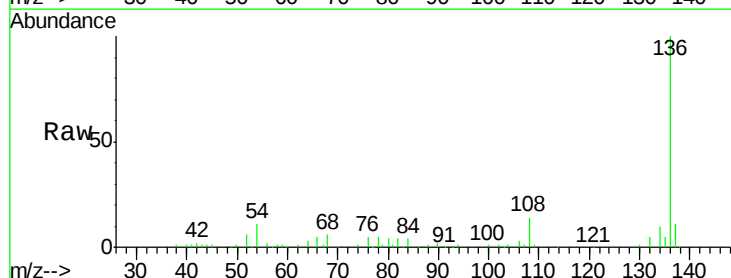
Ion Ratio Lower Upper

136 100

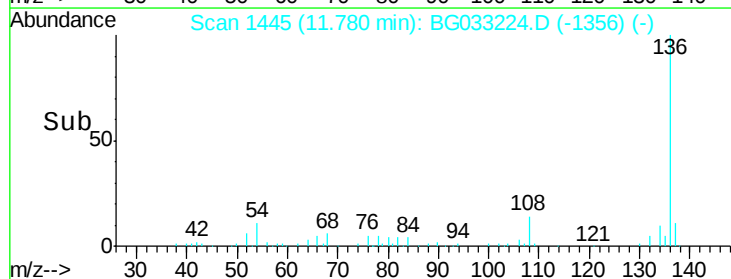
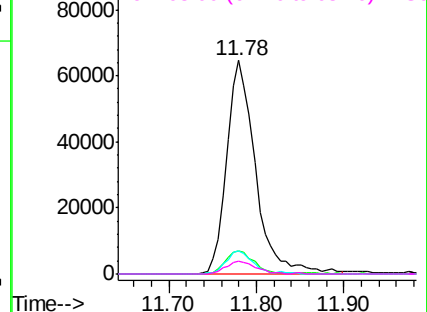
137 10.5 9.2 13.8

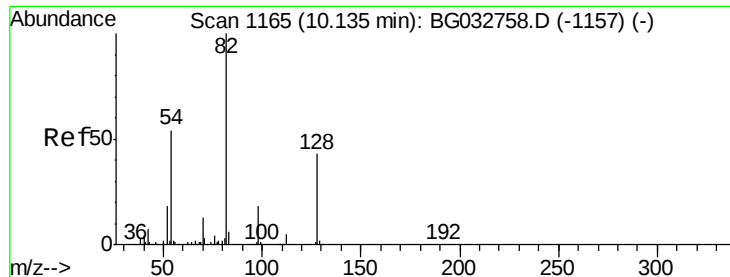
54 10.8 10.3 15.5

68 6.3 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: 136.504 ng

RT: 10.09 min Scan# 1158

Delta R.T. -0.01 min

Lab File: BG033224.D

Acq: 17 Mar 2018 8:45

Instrument :

BNA\_G

ClientSampleId :

1509-12-OILY-DEBRIS

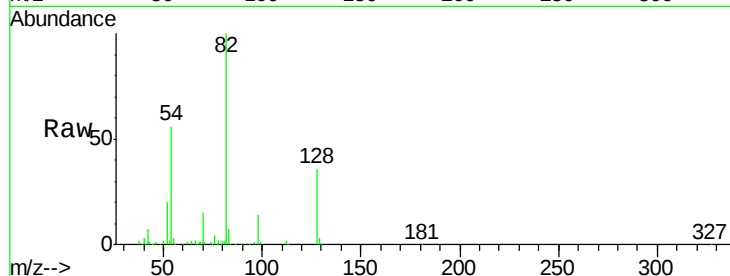
Tot Ion: 82 Resp: 299862

Ion Ratio Lower Upper

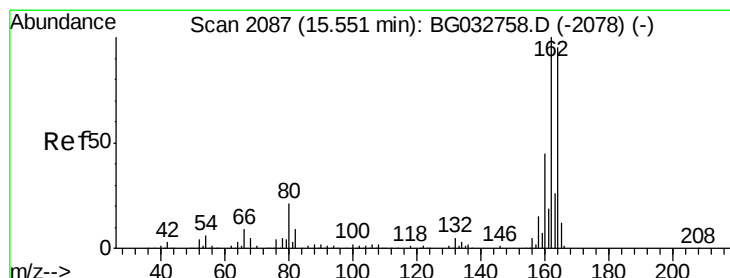
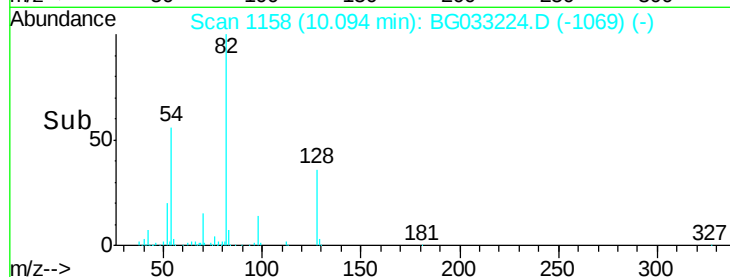
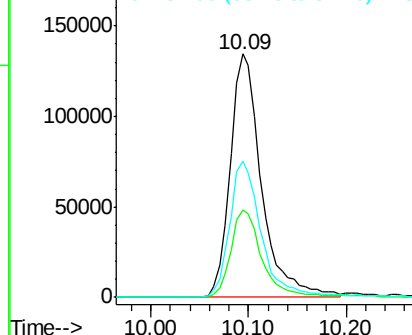
82 100

128 35.7 29.7 44.5

54 56.1 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: 15.51 min Scan# 2080

Delta R.T. -0.01 min

Lab File: BG033224.D

Acq: 17 Mar 2018 8:45

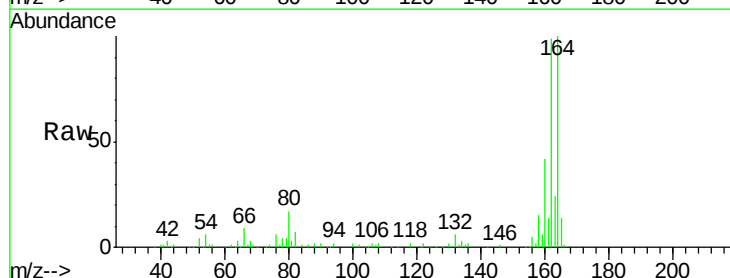
Tgt Ion:164 Resp: 107794

Ion Ratio Lower Upper

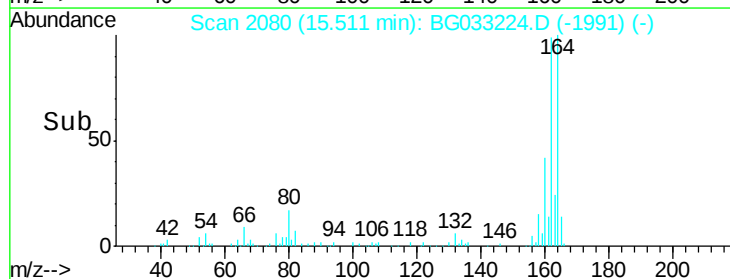
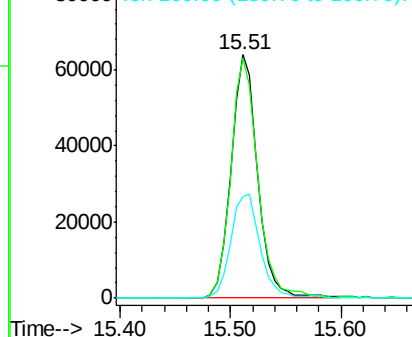
164 100

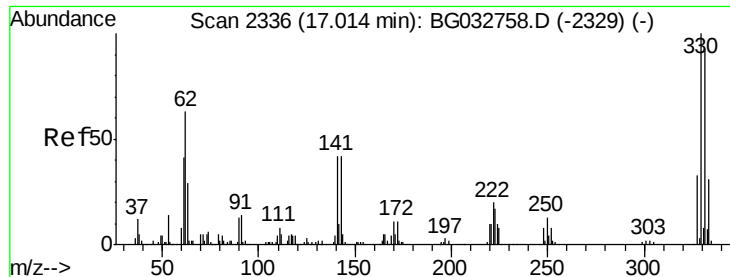
162 98.5 78.8 118.2

160 41.7 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

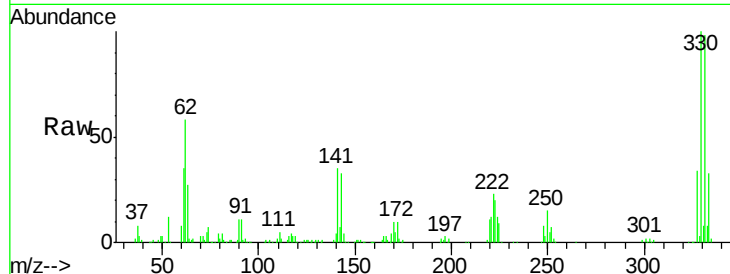




#41  
 2,4,6-Tribromophenol  
 Concen: 232.098 ng  
 RT: 16.99 min Scan# 2331  
 Delta R.T. -0.01 min  
 Lab File: BG033224.D  
 Acq: 17 Mar 2018 8:45

Instrument :  
 BNA\_G  
 ClientSampleId :  
 1509-12-OILY-DEBRIS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 77.0  | 115.6 |
| 141     | 35.8  | 25.2  | 37.8  |

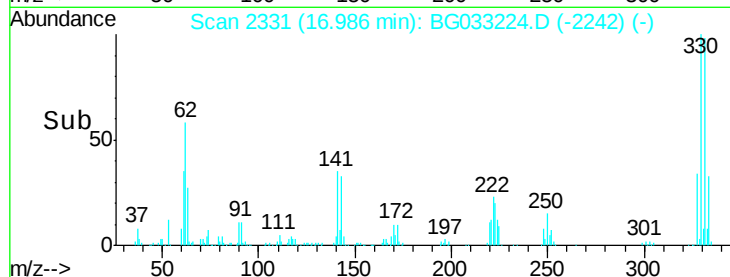
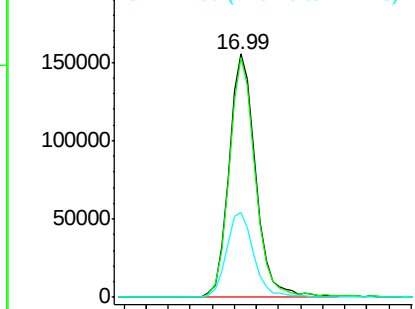


Abundance

Ion 329.80 (329.50 to 330.50): E

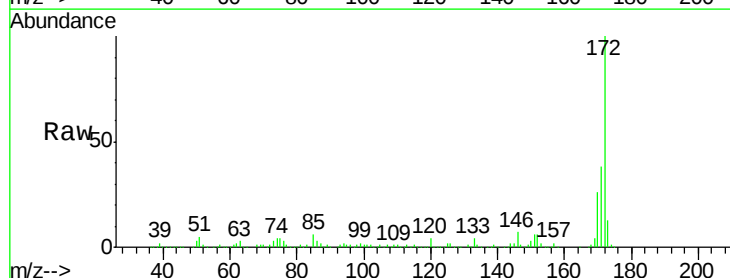
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 92.532 ng  
 RT: 14.14 min Scan# 1847  
 Delta R.T. -0.00 min  
 Lab File: BG033224.D  
 Acq: 17 Mar 2018 8:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.8  | 30.0  | 45.0  |
| 170     | 25.6  | 19.5  | 29.3  |

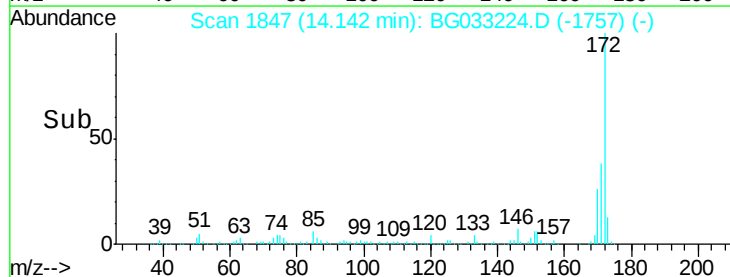
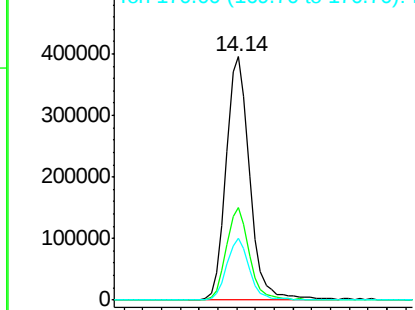


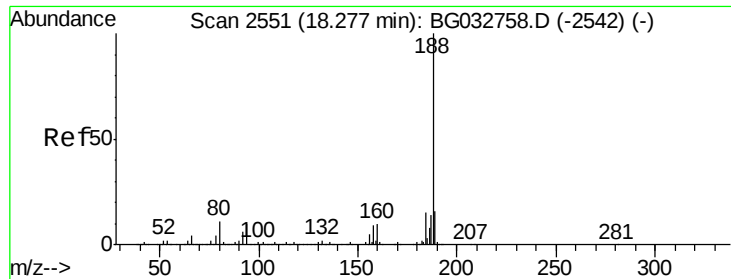
Abundance

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

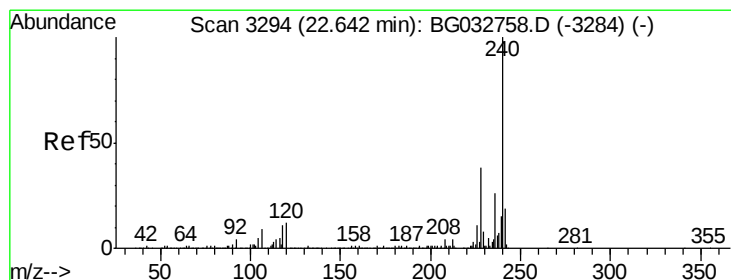
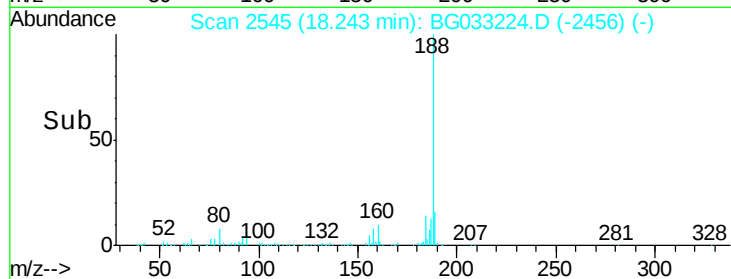
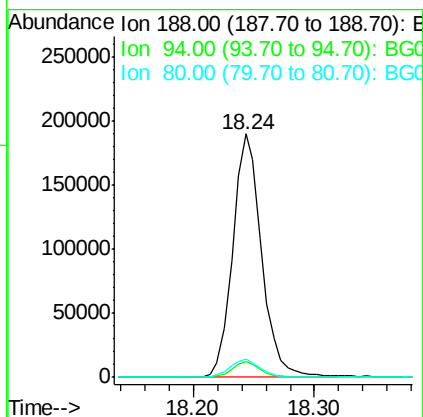
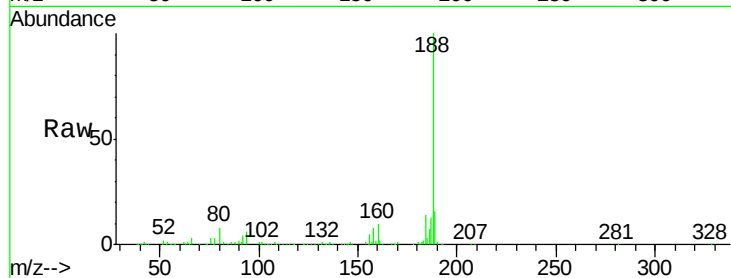




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.24 min Scan# 2545  
Delta R.T. -0.01 min  
Lab File: BG033224.D  
Acq: 17 Mar 2018 8:45

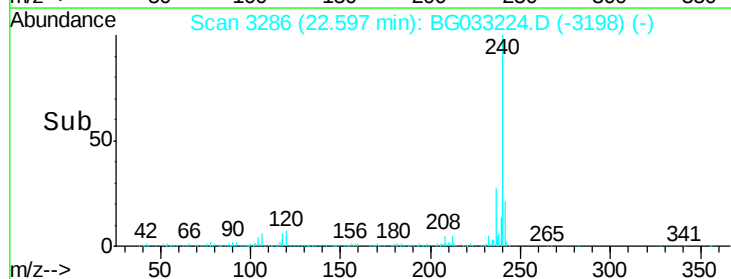
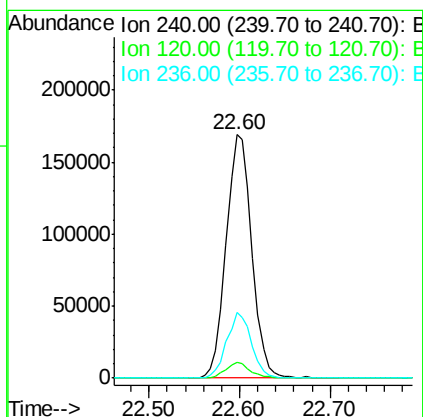
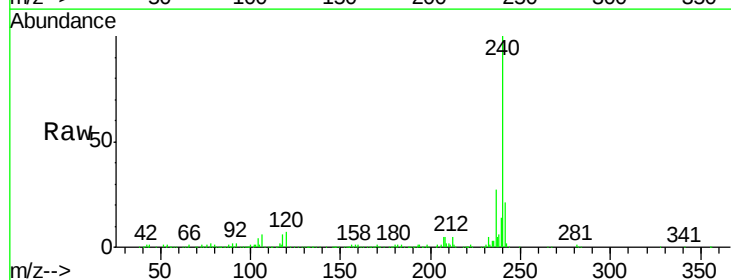
Instrument :  
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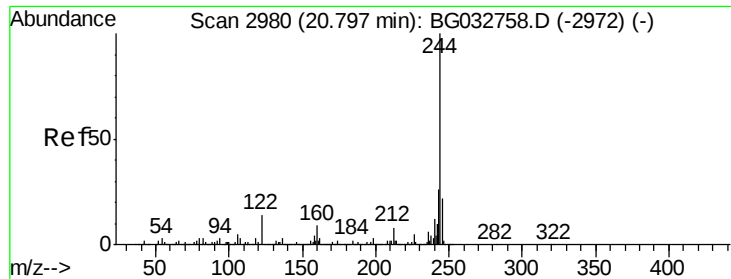
Tot Ion:188 Resp: 314608  
Ion Ratio Lower Upper  
188 100  
94 6.3 6.9 10.3#  
80 7.6 7.7 11.5#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.60 min Scan# 3286  
Delta R.T. -0.01 min  
Lab File: BG033224.D  
Acq: 17 Mar 2018 8:45

Tgt Ion:240 Resp: 332111  
Ion Ratio Lower Upper  
240 100  
120 6.7 6.8 10.2#  
236 27.0 20.9 31.3





#78

Terphenyl-d14

Concen: 97.541 ng

RT: 20.76 min Scan# 2974

Delta R.T. -0.00 min

Lab File: BG033224.D

Acq: 17 Mar 2018 8:45

Instrument :

BNA\_G

ClientSampleId :

1509-12-OILY-DEBRIS

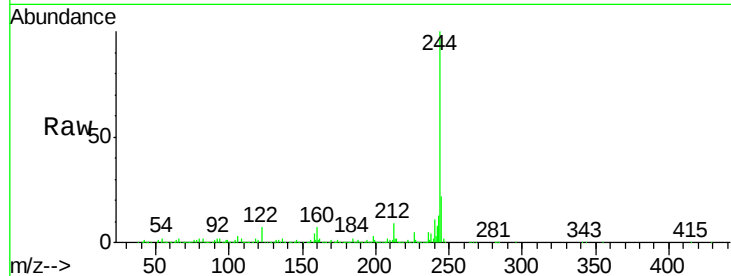
Tot Ion:244 Resp: 1441852

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

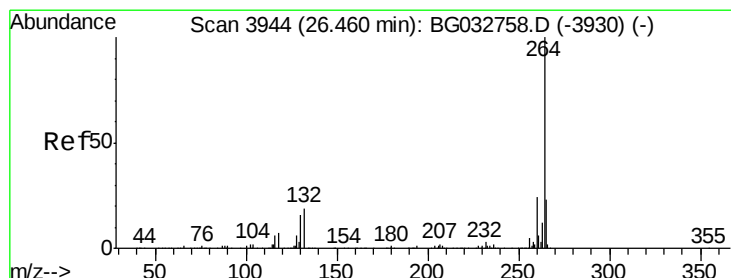
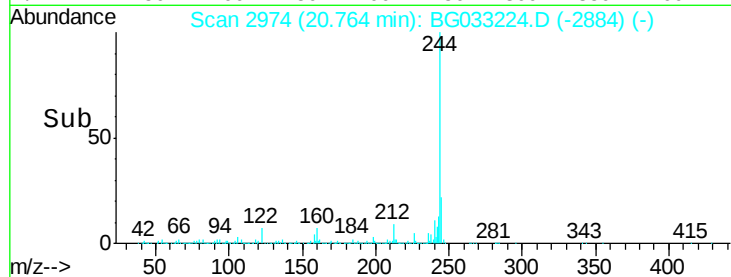
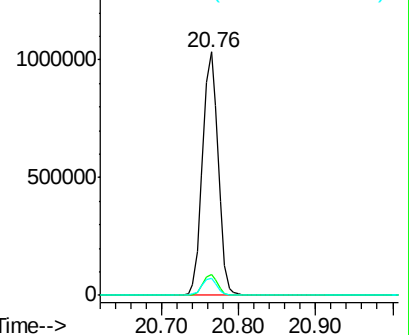
122 6.9 7.0 10.4#



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: 26.40 min Scan# 3934

Delta R.T. -0.00 min

Lab File: BG033224.D

Acq: 17 Mar 2018 8:45

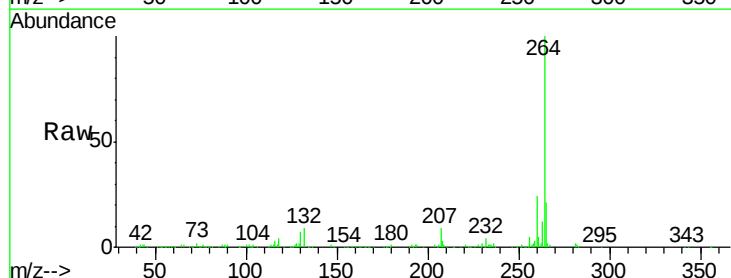
Tgt Ion:264 Resp: 350939

Ion Ratio Lower Upper

264 100

260 23.7 17.4 26.0

265 20.7 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

