

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_G\DATA\BG032618\  
 Data File : BG033352.D  
 Acq On : 27 Mar 2018 5:17  
 Operator : SJ/JU  
 Sample : J1758-06  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PL-02-032318-C

Quant Time: Mar 27 08:40:58 2018  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 23 15:11:46 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.87  | 152  | 39497    | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8          | 11.75 | 136  | 160580   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10        | 15.48 | 164  | 123947   | 20.00  | ng    | -0.03    |
| 63) Phenanthrene-d10        | 18.21 | 188  | 341998   | 20.00  | ng    | -0.03    |
| 75) Chrysene-d12            | 22.56 | 240  | 370792   | 20.00  | ng    | -0.04    |
| 86) Perylene-d12            | 26.32 | 264  | 392495   | 20.00  | ng    | -0.07    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.29  | 112  | 303799   | 144.23 | ng    | -0.03    |
| 7) Phenol-d6                | 7.97  | 99   | 414518   | 114.53 | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 10.06 | 82   | 330093   | 94.44  | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 16.96 | 330  | 259545   | 140.01 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl        | 14.11 | 172  | 815042   | 94.93  | ng    | -0.03    |
| 78) Terphenyl-d14           | 20.73 | 244  | 1607801  | 92.73  | ng    | -0.03    |

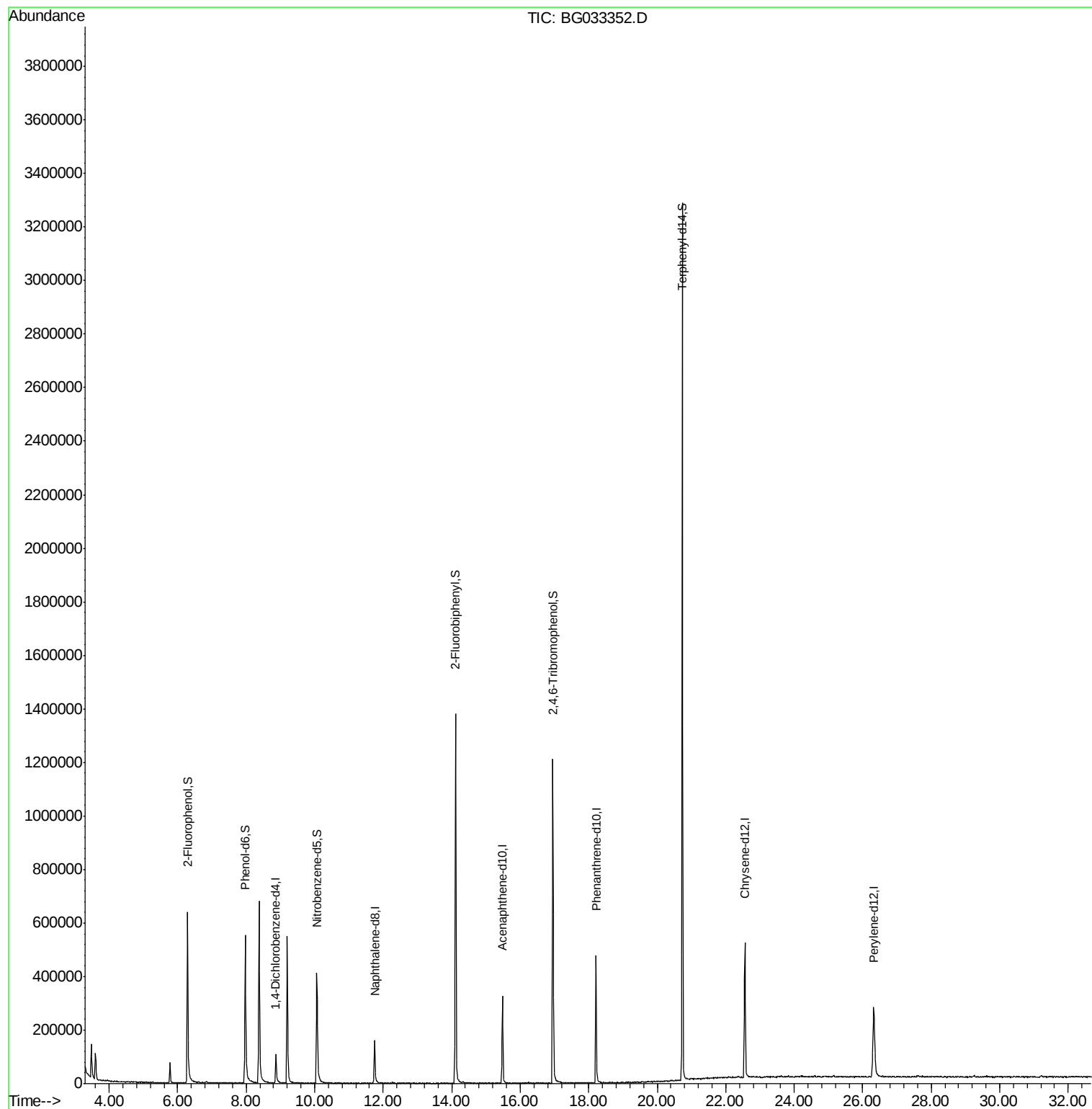
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

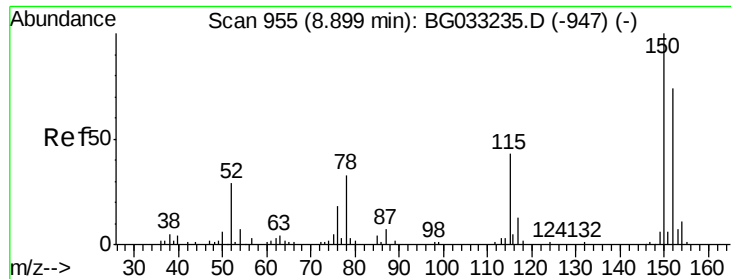
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
BNA\_G  
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PL-02-032318-C

Quant Time: Mar 27 08:40:58 2018  
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Response via : Initial Calibration



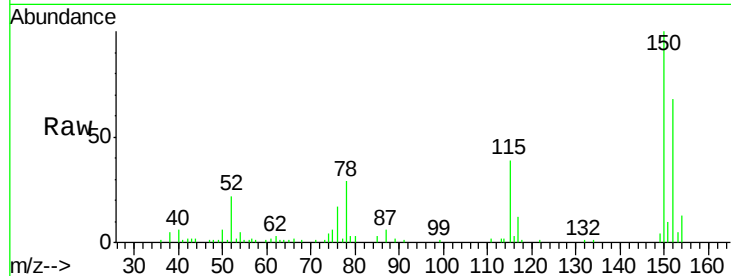


#1

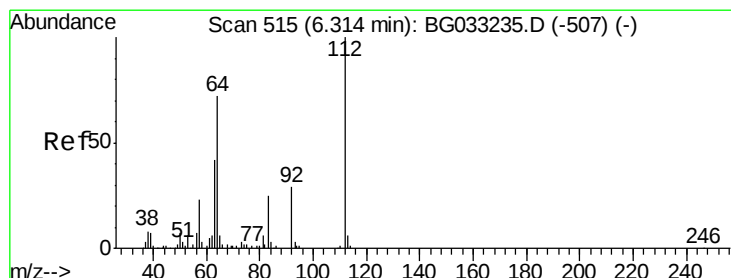
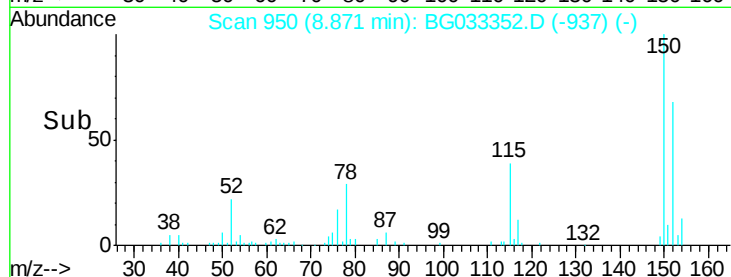
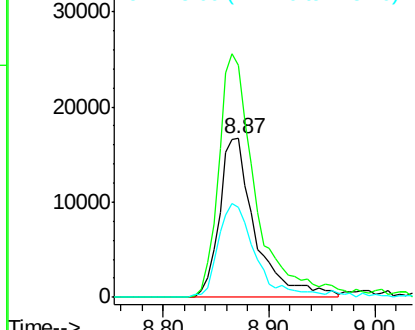
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.87 min Scan# 950  
Delta R.T. -0.03 min  
Lab File: BG033352.D  
Acq: 27 Mar 2018 5:17

Instrument :  
BNA\_G  
ClientSampleId :  
PL-02-032318-C

Tgt Ion:152 Resp: 39497  
Ion Ratio Lower Upper  
152 100  
150 146.2 126.6 189.8  
115 56.9 53.0 79.4



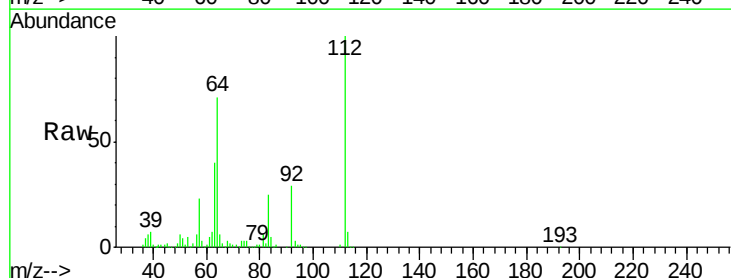
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



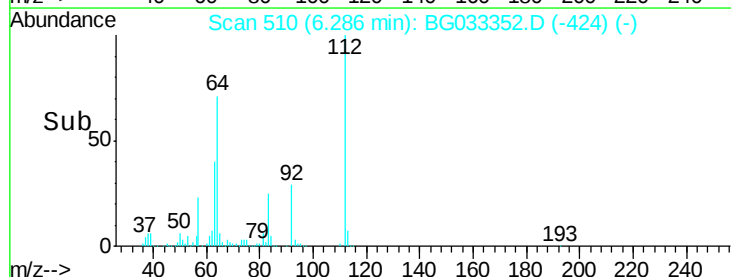
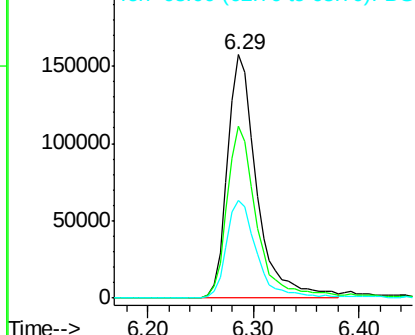
#5

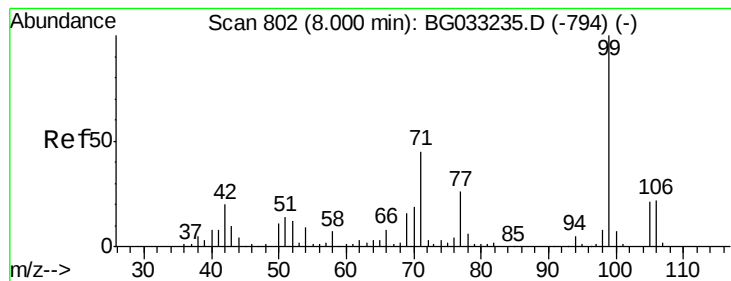
2-Fluorophenol  
Concen: 144.229 ng  
RT: 6.29 min Scan# 510  
Delta R.T. -0.03 min  
Lab File: BG033352.D  
Acq: 27 Mar 2018 5:17

Tgt Ion:112 Resp: 303799  
Ion Ratio Lower Upper  
112 100  
64 70.7 56.3 84.5  
63 40.3 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: 114.534 ng

RT: 7.97 min Scan# 797

Delta R.T. -0.03 min

Lab File: BG033352.D

Acq: 27 Mar 2018 5:17

Instrument :

BNA\_G

ClientSampleId :

PL-02-032318-C

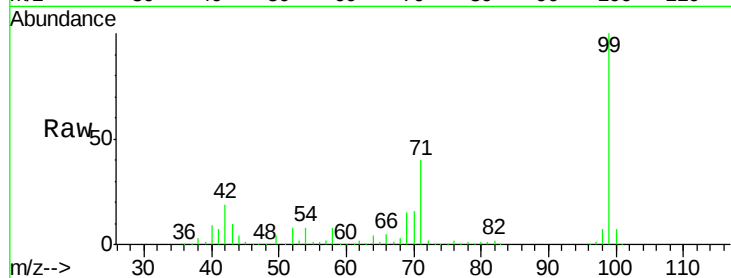
Tgt Ion: 99 Resp: 414518

Ion Ratio Lower Upper

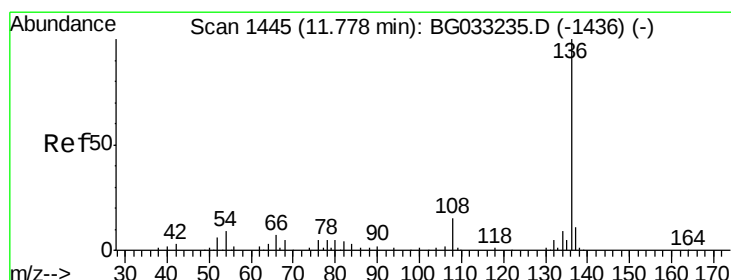
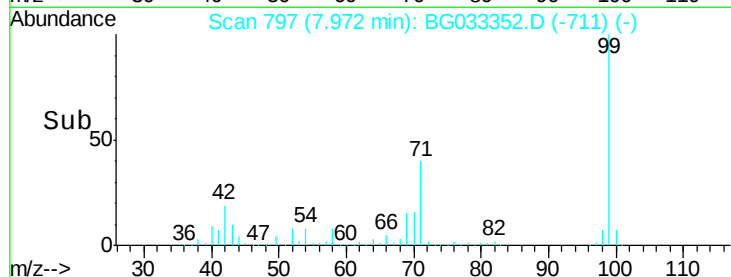
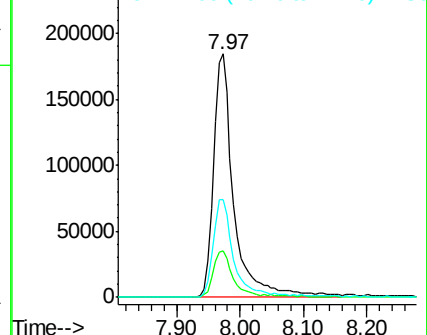
99 100

42 18.9 14.1 21.1

71 40.3 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: 11.75 min Scan# 1440

Delta R.T. -0.03 min

Lab File: BG033352.D

Acq: 27 Mar 2018 5:17

Tgt Ion: 136 Resp: 160580

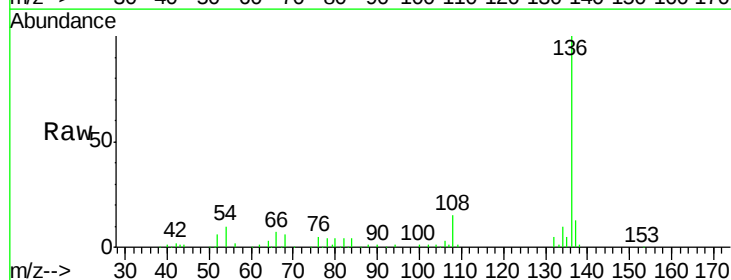
Ion Ratio Lower Upper

136 100

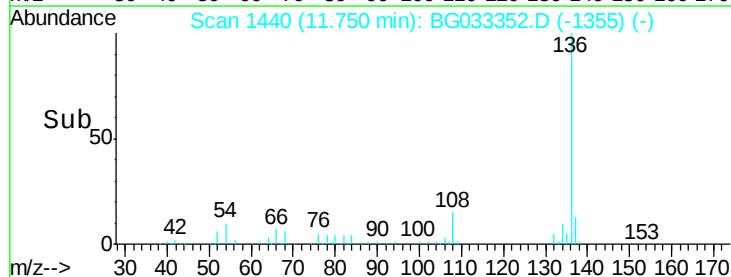
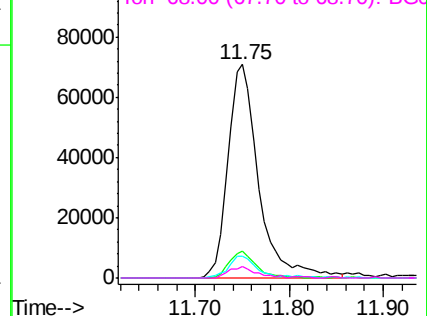
137 12.5 9.2 13.8

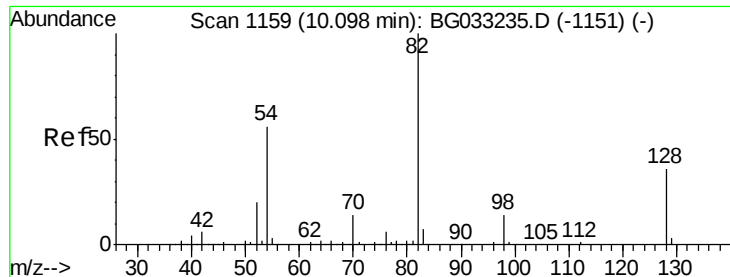
54 10.0 10.3 15.5#

68 5.6 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

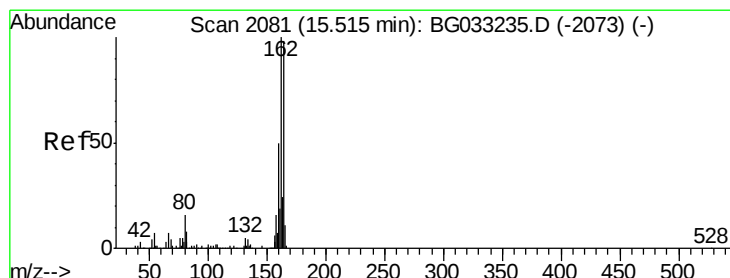
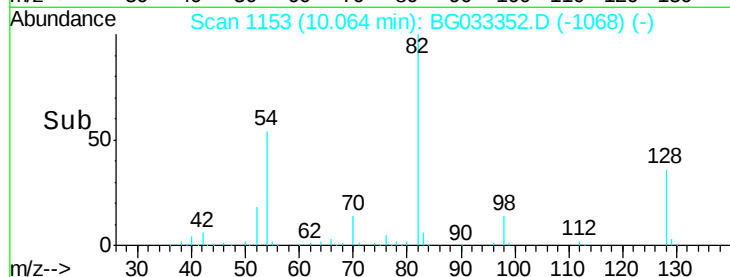
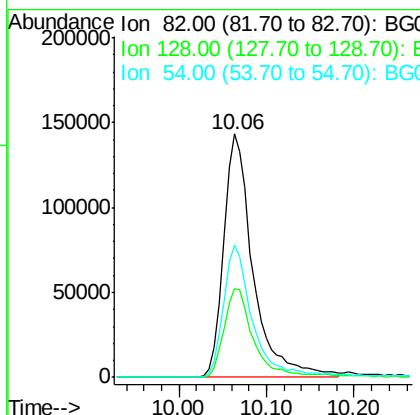
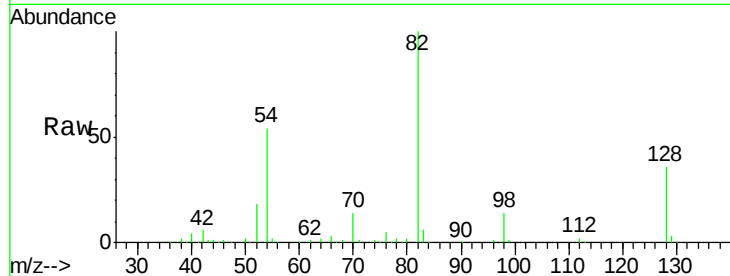




#23  
 Nitrobenzene-d5  
 Concen: 94.444 ng  
 RT: 10.06 min Scan# 1153  
 Delta R.T. -0.03 min  
 Lab File: BG033352.D  
 Acq: 27 Mar 2018 5:17

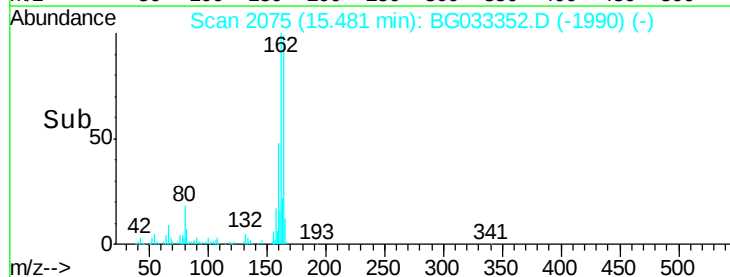
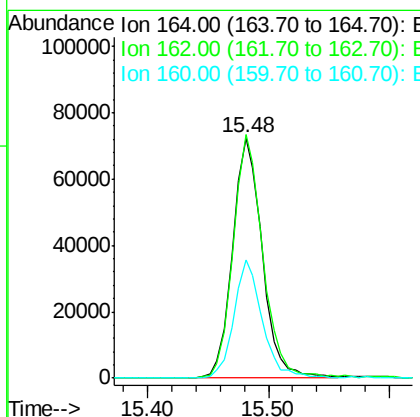
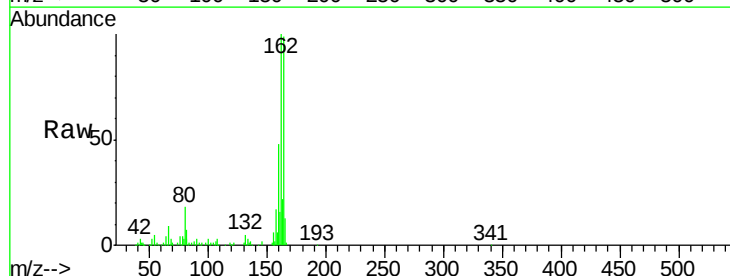
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PL-02-032318-C

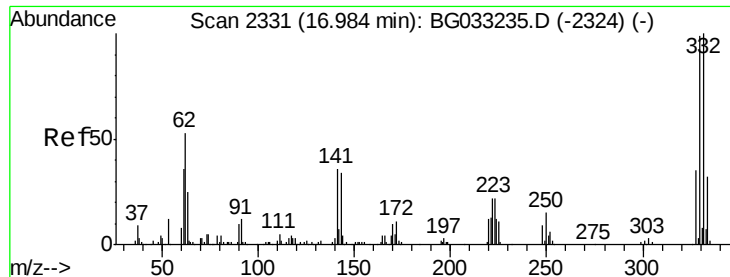
Tgt Ion: 82 Resp: 330093  
 Ion Ratio Lower Upper  
 82 100  
 128 36.3 29.7 44.5  
 54 54.4 43.1 64.7



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.48 min Scan# 2075  
 Delta R.T. -0.03 min  
 Lab File: BG033352.D  
 Acq: 27 Mar 2018 5:17

Tgt Ion: 164 Resp: 123947  
 Ion Ratio Lower Upper  
 164 100  
 162 101.3 78.8 118.2  
 160 49.1 35.4 53.0

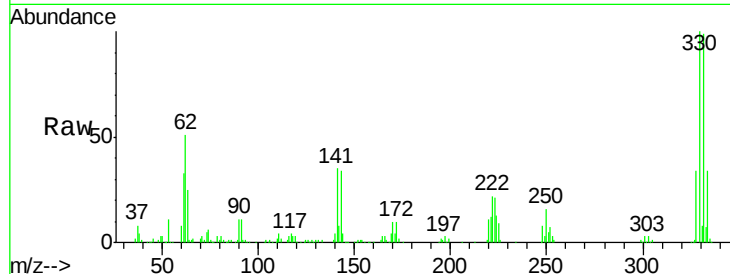




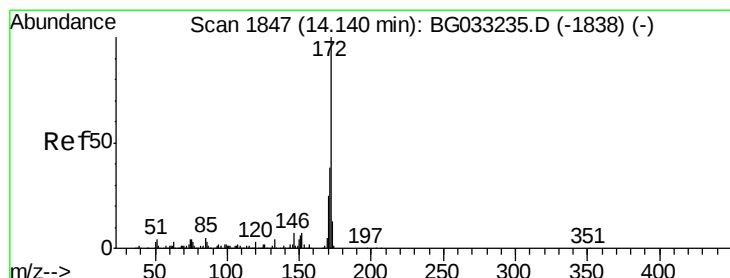
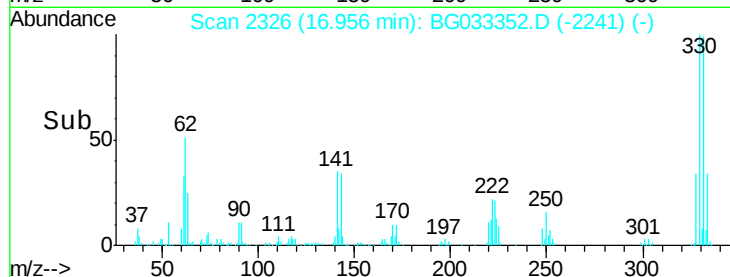
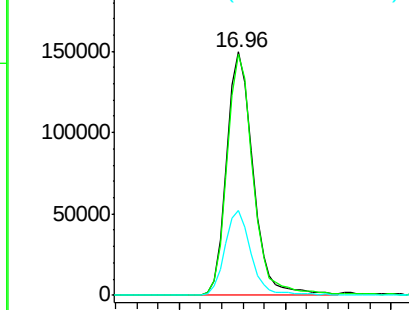
#41  
 2,4,6-Tribromophenol  
 Concen: 140.009 ng  
 RT: 16.96 min Scan# 2326  
 Delta R.T. -0.03 min  
 Lab File: BG033352.D  
 Acq: 27 Mar 2018 5:17

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PL-02-032318-C

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.6  | 77.0  | 115.6 |
| 141     | 34.5  | 25.2  | 37.8  |

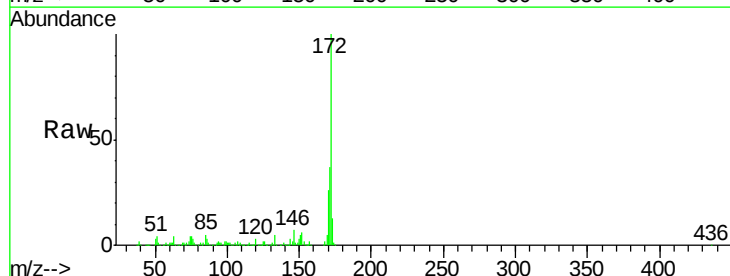


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

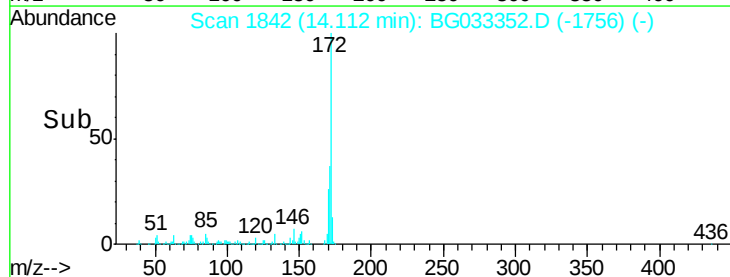
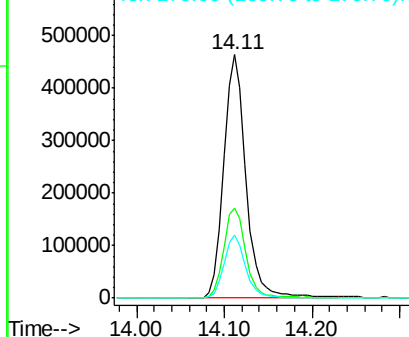


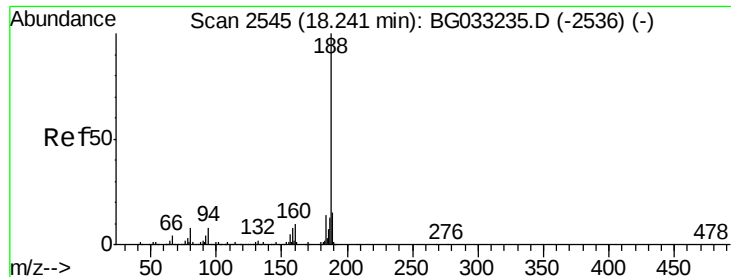
#44  
 2-Fluorobiphenyl  
 Concen: 94.930 ng  
 RT: 14.11 min Scan# 1842  
 Delta R.T. -0.03 min  
 Lab File: BG033352.D  
 Acq: 27 Mar 2018 5:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.2  | 30.0  | 45.0  |
| 170     | 26.2  | 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: 18.21 min Scan# 2540

Delta R.T. -0.03 min

Lab File: BG033352.D

Acq: 27 Mar 2018 5:17

Instrument :

BNA\_G

ClientSampleId :

PL-02-032318-C

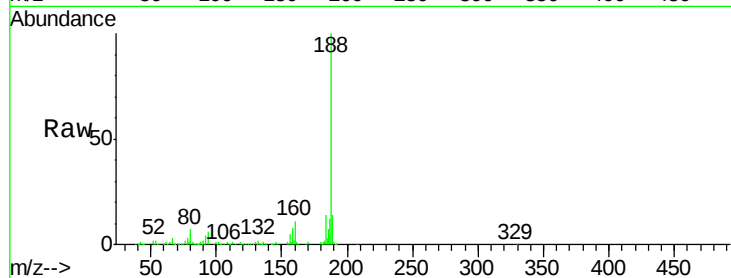
Tgt Ion:188 Resp: 341998

Ion Ratio Lower Upper

188 100

94 6.2 6.9 10.3#

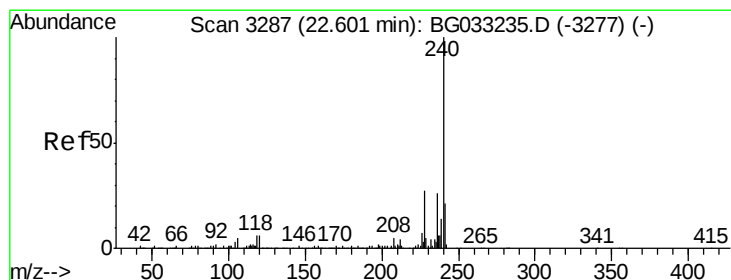
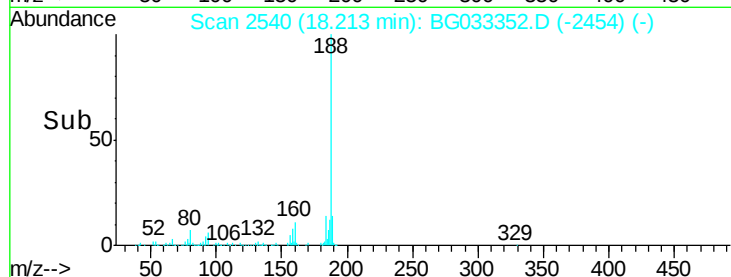
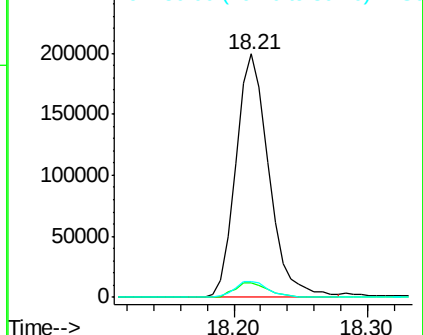
80 6.7 7.7 11.5#



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: 22.56 min Scan# 3280

Delta R.T. -0.04 min

Lab File: BG033352.D

Acq: 27 Mar 2018 5:17

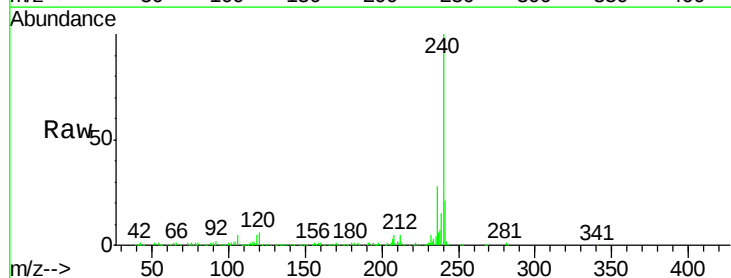
Tgt Ion:240 Resp: 370792

Ion Ratio Lower Upper

240 100

120 6.2 6.8 10.2#

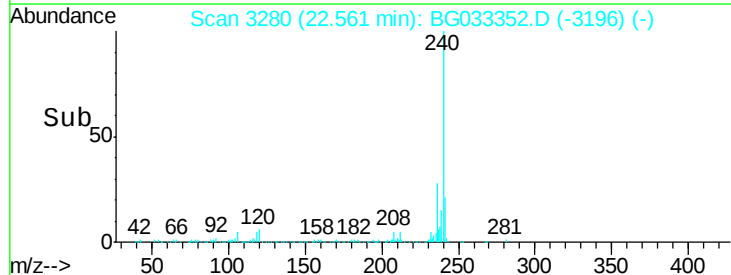
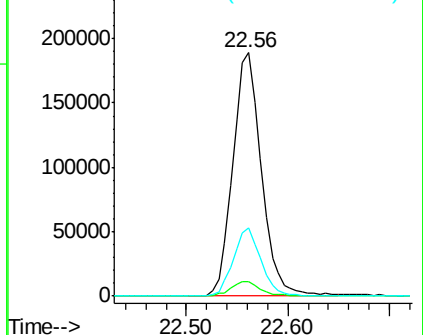
236 28.1 20.9 31.3

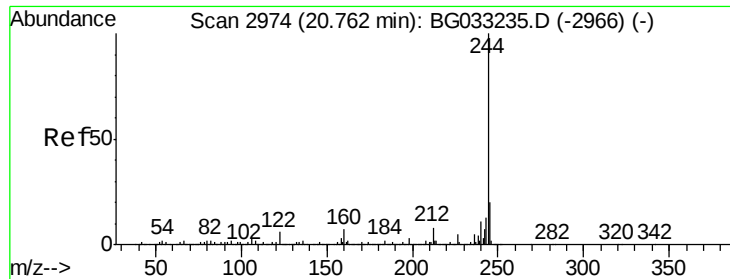


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 92.733 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.03 min

Lab File: BG033352.D

Acq: 27 Mar 2018 5:17

Instrument :

BNA\_G

ClientSampleId :

PL-02-032318-C

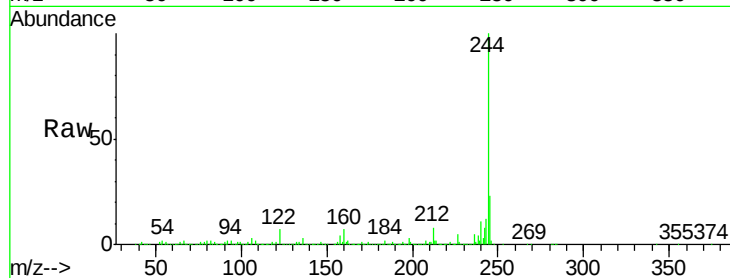
Tgt Ion:244 Resp: 1607801

Ion Ratio Lower Upper

244 100

212 8.4 5.8 8.8

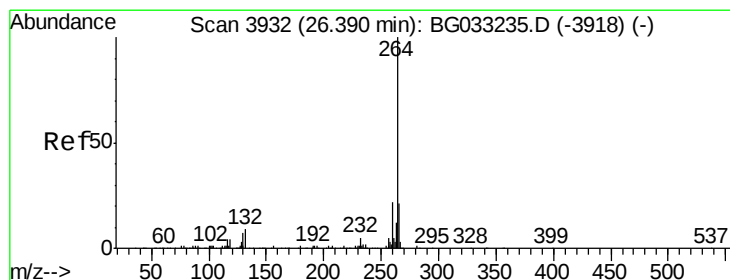
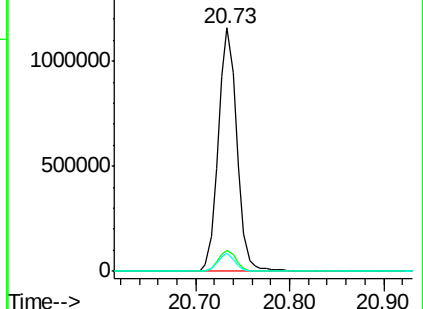
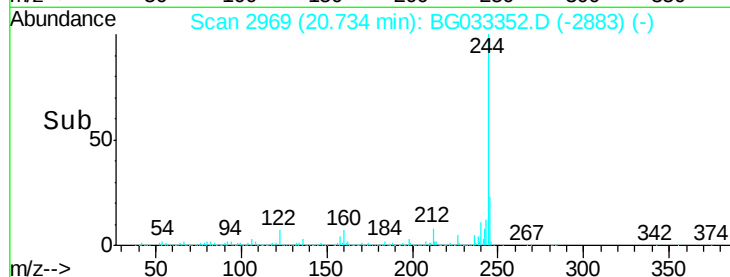
122 7.5 7.0 10.4



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: 26.32 min Scan# 3920

Delta R.T. -0.07 min

Lab File: BG033352.D

Acq: 27 Mar 2018 5:17

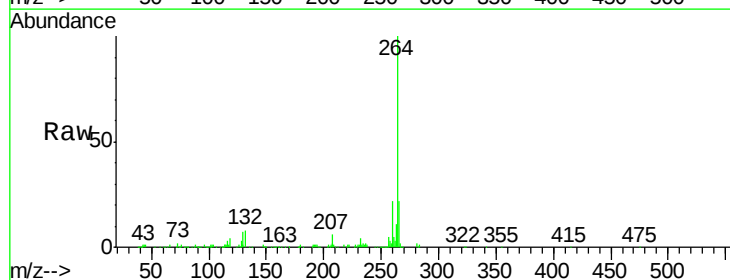
Tgt Ion:264 Resp: 392495

Ion Ratio Lower Upper

264 100

260 22.3 17.4 26.0

265 22.0 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

