

Data Path : U:\HPCHEM1\BNA G\DATA\BG020518\  
 Data File : BG032537.D  
 Acq On : 5 Feb 2018 17:09  
 Operator : SJ/JU  
 Sample : J1161-01  
 Misc : LOD 2PPM  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Feb 06 03:19:26 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 29 15:32:55 2018  
 Response via : Initial Calibration

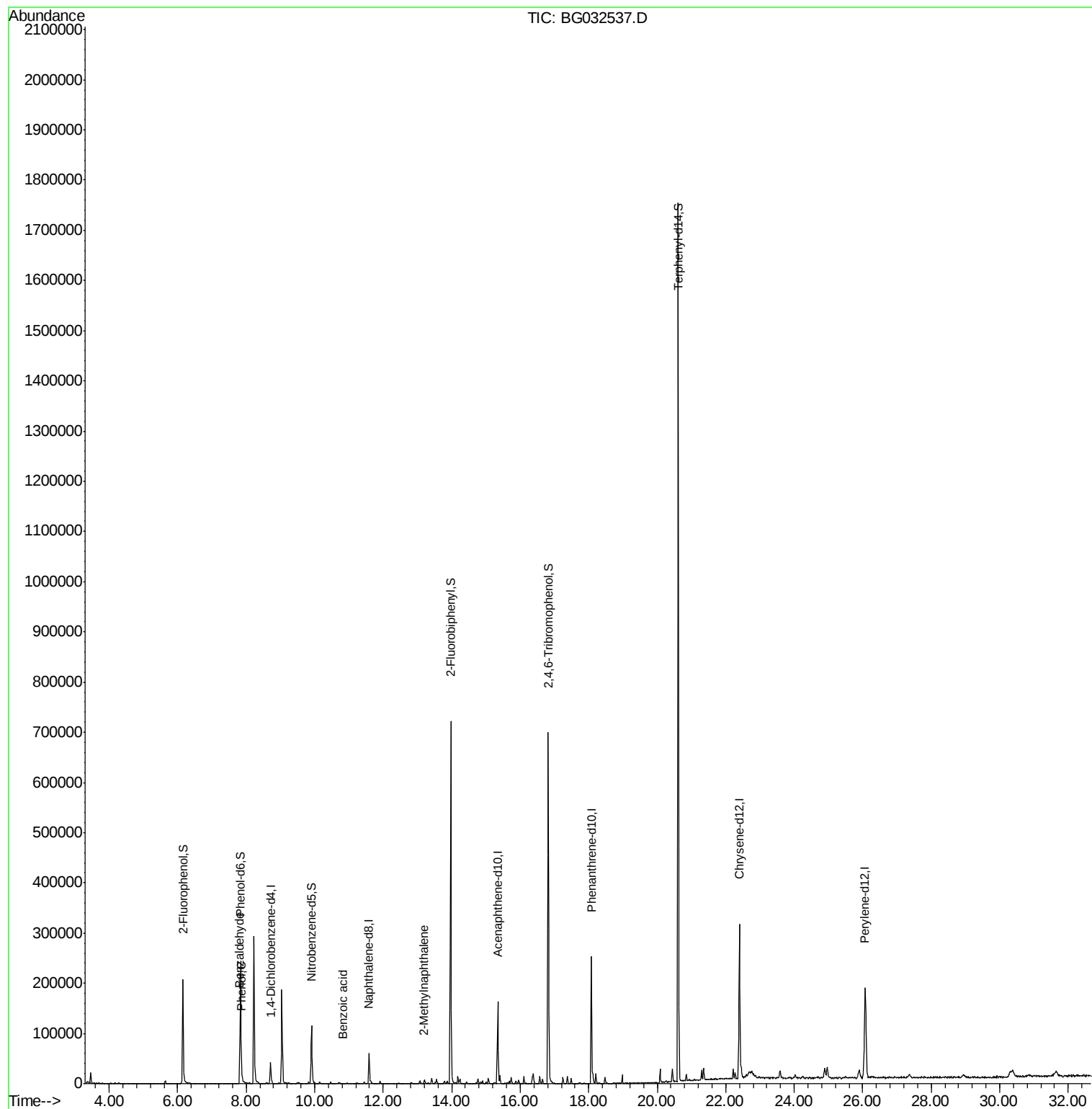
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.71  | 152  | 16725    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 11.59 | 136  | 66399    | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 15.34 | 164  | 65230    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 18.08 | 188  | 184256   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 22.40 | 240  | 240442   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 26.07 | 264  | 257556   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.15  | 112  | 115367   | 138.55 | ng    | 0.00     |
| 7) Phenol-d6                | 7.83  | 99   | 171014   | 153.91 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.91  | 82   | 80535    | 75.76  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.82 | 330  | 170632   | 137.42 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.97 | 172  | 456865   | 83.25  | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.62 | 244  | 944859   | 84.18  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 9) Benzaldehyde             | 7.81  | 77   | 1736     | 3.025  | ng    | # 67     |
| 10) Phenol                  | 7.86  | 94   | 2280     | 2.161  | ng    | # 29     |
| 32) Benzoic acid            | 10.82 | 122  | 85       | 7.392  | ng    | # 1      |
| 37) 2-Methylnaphthalene     | 13.21 | 142  | 5671     | 2.082  | ng    | 91       |

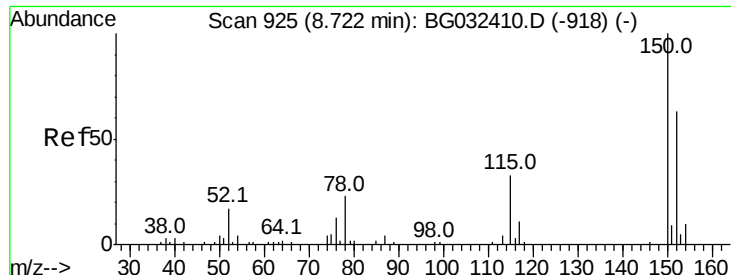
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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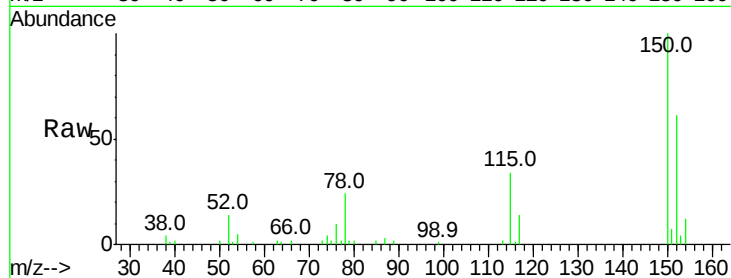


#1

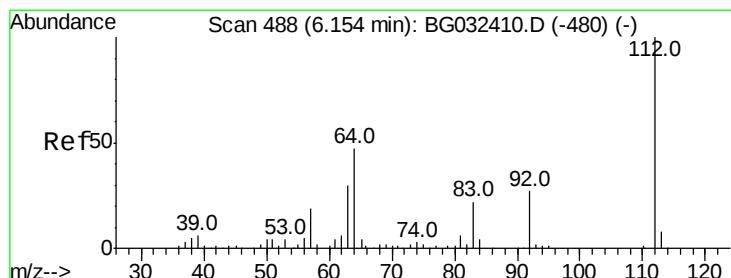
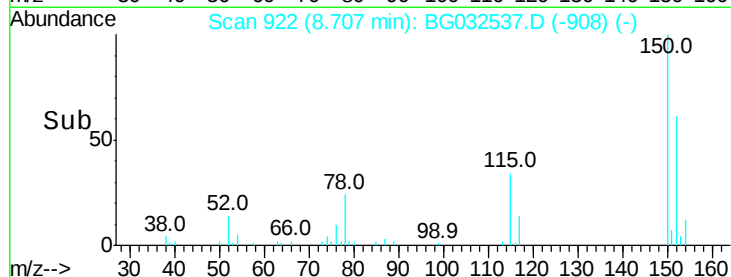
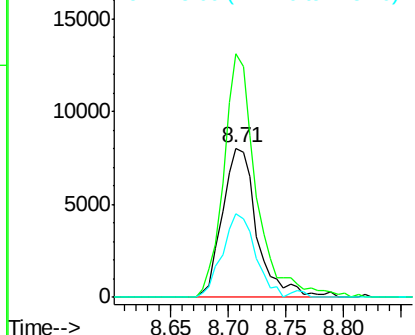
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.71 min Scan# 922  
Delta R.T. -0.01 min  
Lab File: BG032537.D  
Acq: 5 Feb 2018 17:09

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 16725  
Ion Ratio Lower Upper  
152 100  
150 163.2 126.6 189.8  
115 56.2 53.0 79.4



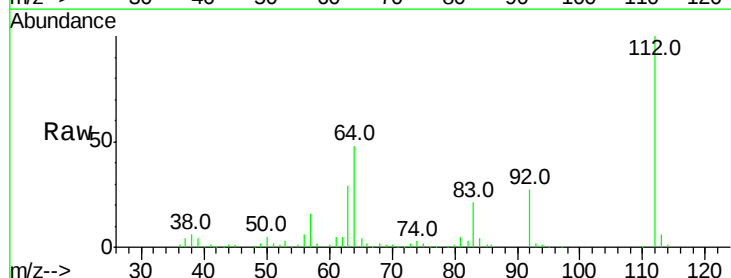
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



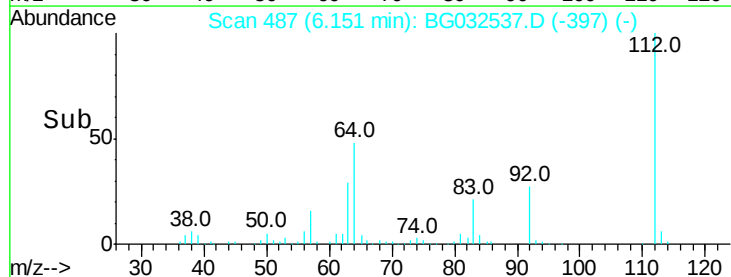
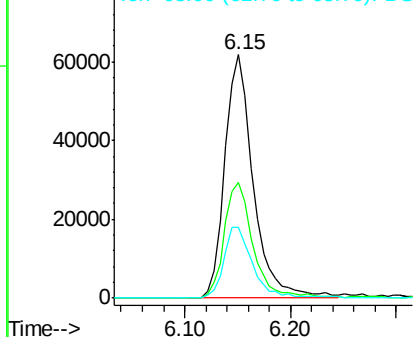
#5

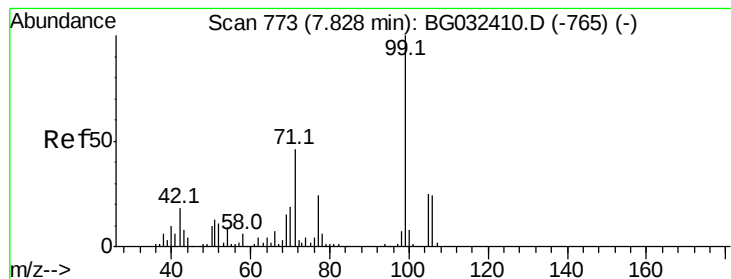
2-Fluorophenol  
Concen: 138.548 ng  
RT: 6.15 min Scan# 487  
Delta R.T. -0.00 min  
Lab File: BG032537.D  
Acq: 5 Feb 2018 17:09

Tgt Ion:112 Resp: 115367  
Ion Ratio Lower Upper  
112 100  
64 47.6 56.3 84.5#  
63 28.9 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: 153.907 ng

RT: 7.83 min Scan# 773

Delta R.T. 0.00 min

Lab File: BG032537.D

Acq: 5 Feb 2018 17:09

Instrument :

BNA\_G

ClientSampleId :

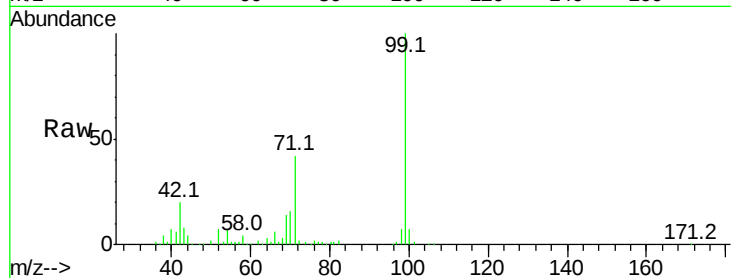
Tot Ion: 99 Resp: 171014

Ion Ratio Lower Upper

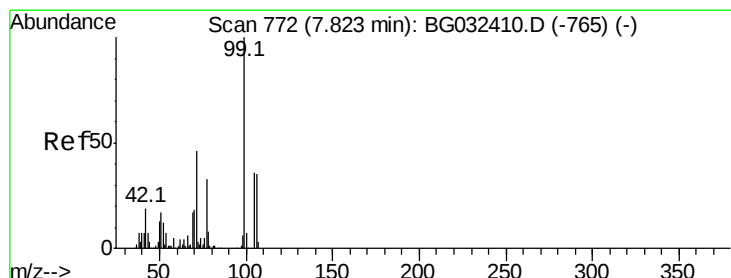
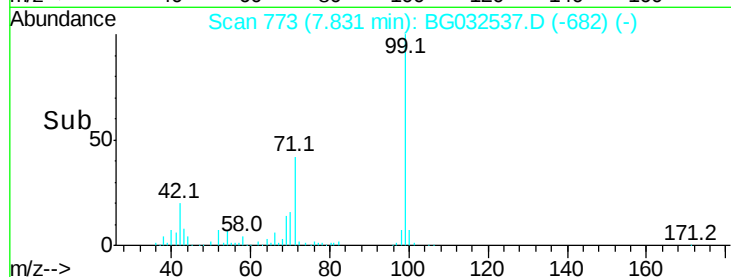
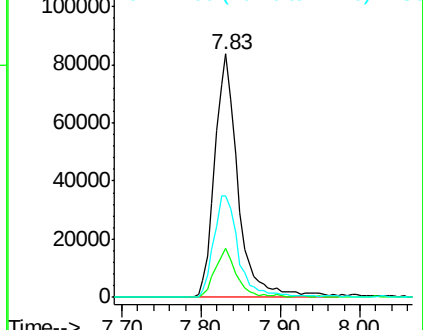
99 100

42 20.0 14.1 21.1

71 41.6 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



#9

Benzaldehyde

Concen: 3.025 ng

RT: 7.81 min Scan# 769

Delta R.T. -0.01 min

Lab File: BG032537.D

Acq: 5 Feb 2018 17:09

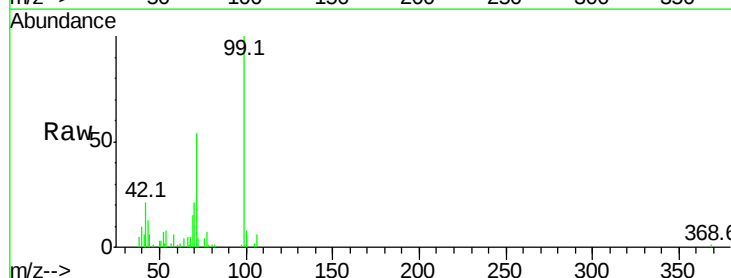
Tgt Ion: 77 Resp: 1736

Ion Ratio Lower Upper

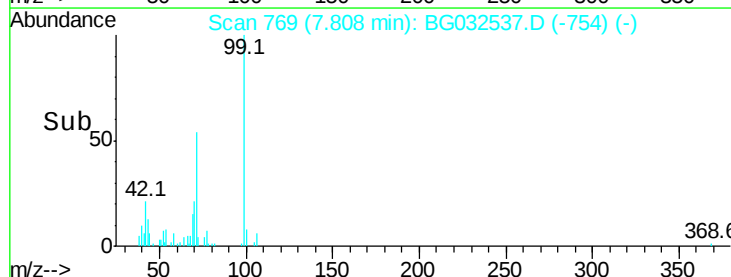
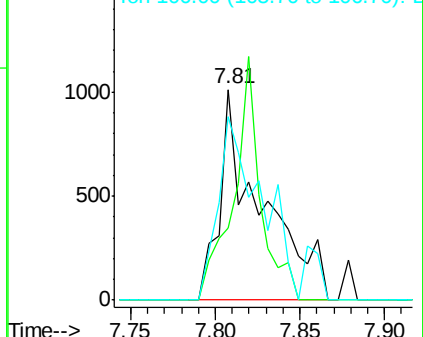
77 100

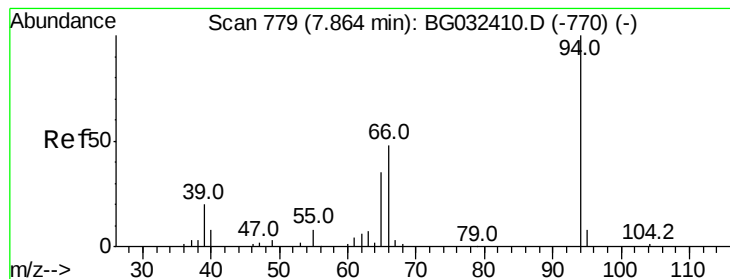
105 34.1 71.3 111.3#

106 87.0 64.2 104.2



Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 106.00 (105.70 to 106.70): BGC





#10

Phenol

Concen: 2.161 ng

RT: 7.86 min Scan# 778

Delta R.T. -0.00 min

Lab File: BG032537.D

Acq: 5 Feb 2018 17:09

Instrument :

BNA\_G

ClientSampleId :

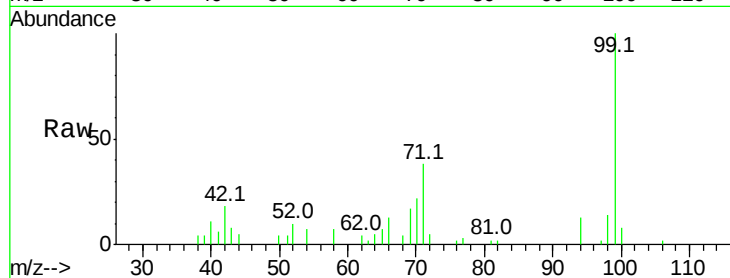
Tot Ion: 94 Resp: 2280

Ion Ratio Lower Upper

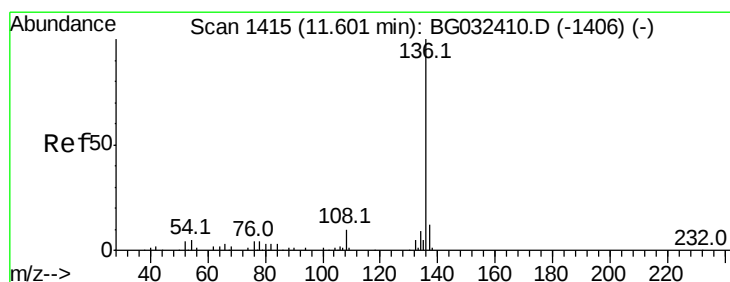
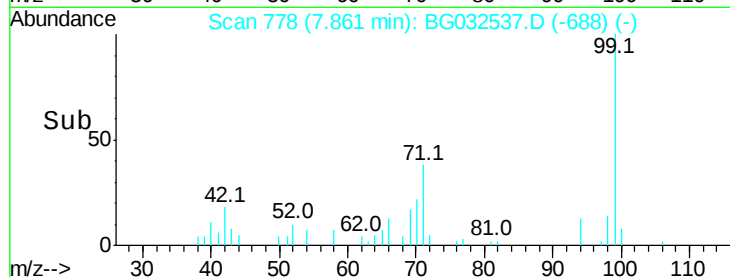
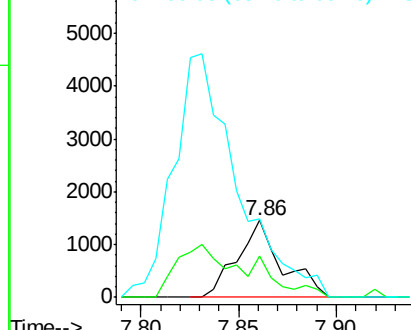
94 100

65 53.2 11.9 51.9#

66 102.8 22.2 62.2#



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.59 min Scan# 1412

Delta R.T. -0.01 min

Lab File: BG032537.D

Acq: 5 Feb 2018 17:09

Tgt Ion: 136 Resp: 66399

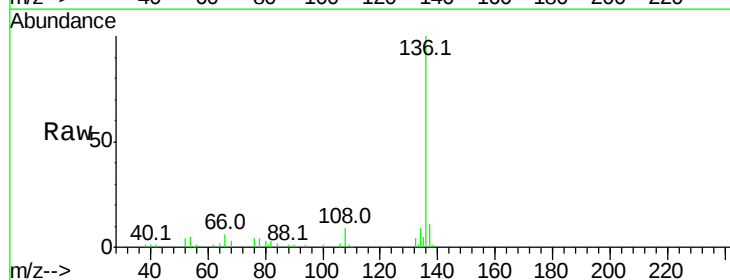
Ion Ratio Lower Upper

136 100

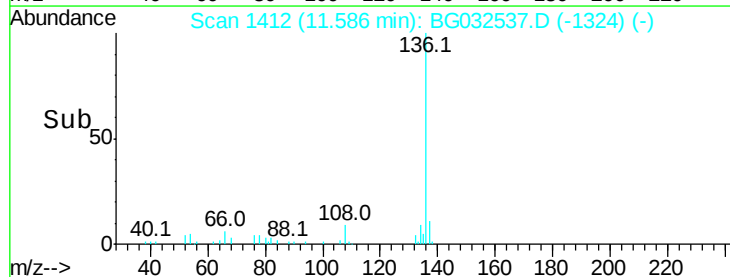
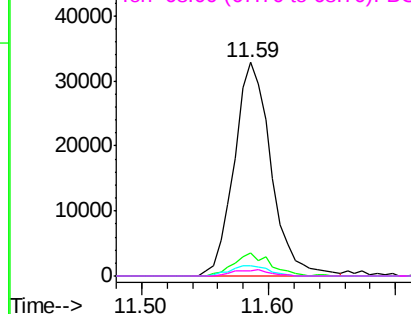
137 11.0 9.2 13.8

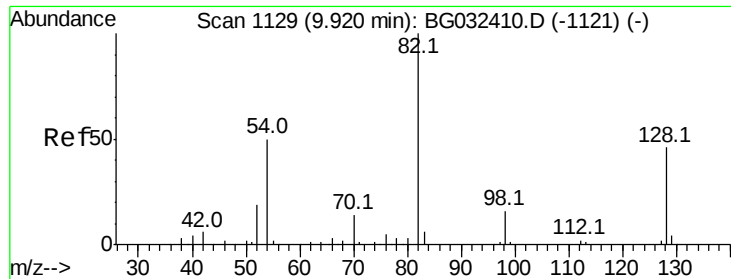
54 4.7 10.3 15.5#

68 2.6 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: 75.758 ng

RT: 9.91 min Scan# 1126

Delta R.T. -0.01 min

Lab File: BG032537.D

Acq: 5 Feb 2018 17:09

Instrument :

BNA\_G

ClientSampled :

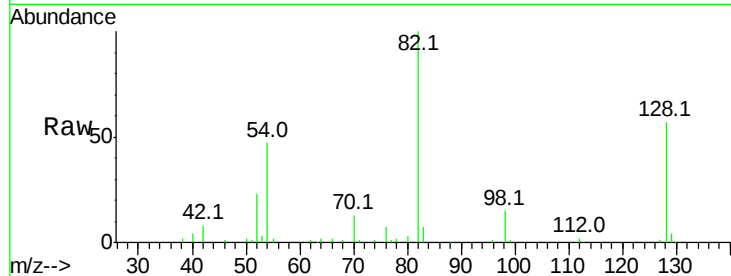
Tot Ion: 82 Resp: 80535

Ion Ratio Lower Upper

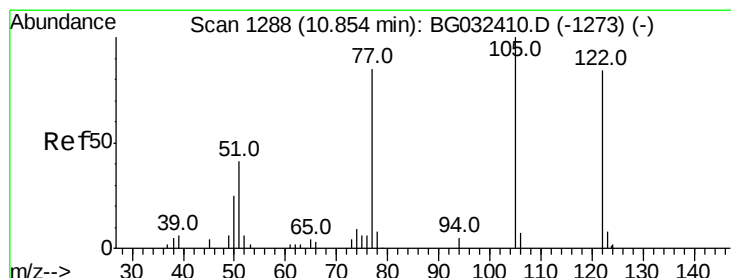
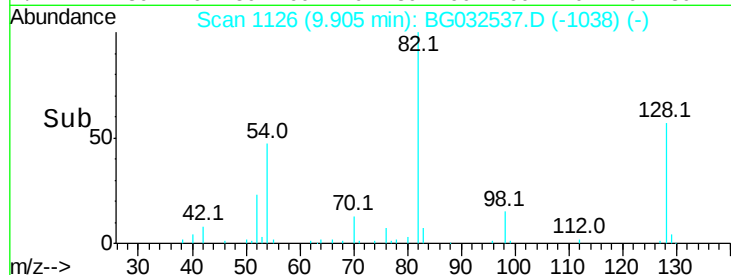
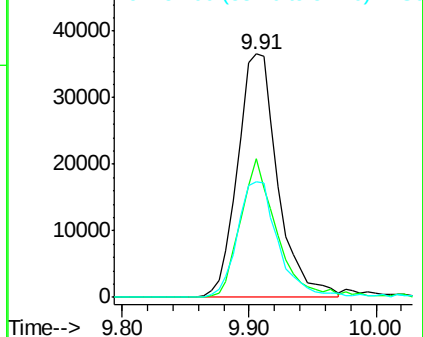
82 100

128 57.0 29.7 44.5#

54 47.4 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



#32

Benzoic acid

Concen: 7.392 ng

RT: 10.82 min Scan# 1282

Delta R.T. -0.03 min

Lab File: BG032537.D

Acq: 5 Feb 2018 17:09

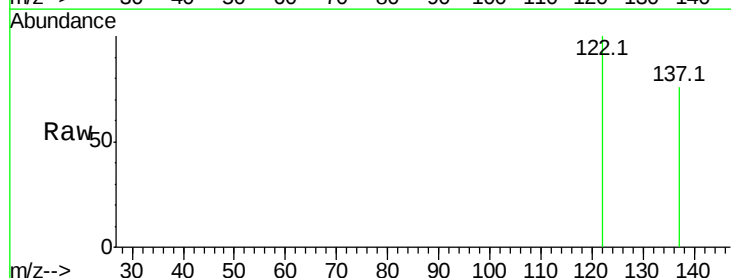
Tgt Ion:122 Resp: 85

Ion Ratio Lower Upper

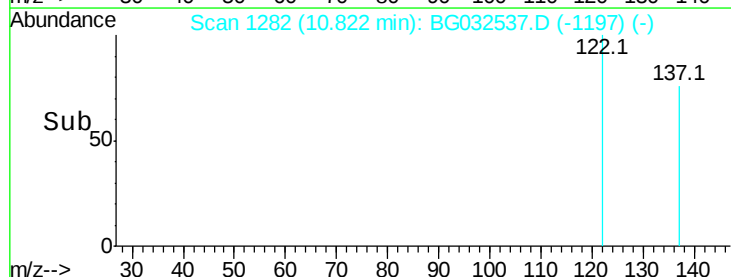
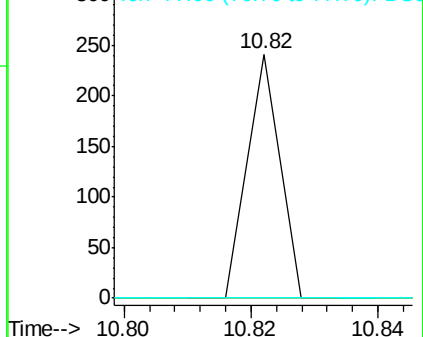
122 100

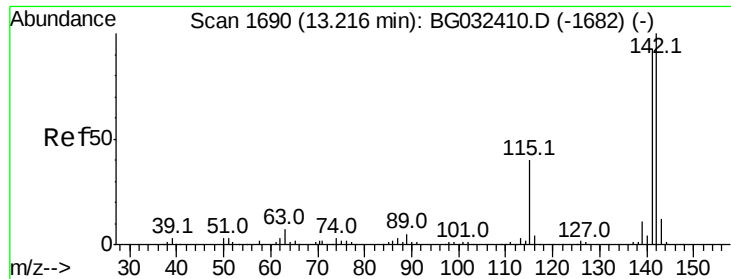
105 0.0 123.5 163.5#

77 0.0 85.7 125.7#



Abundance Ion 122.00 (121.70 to 122.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC

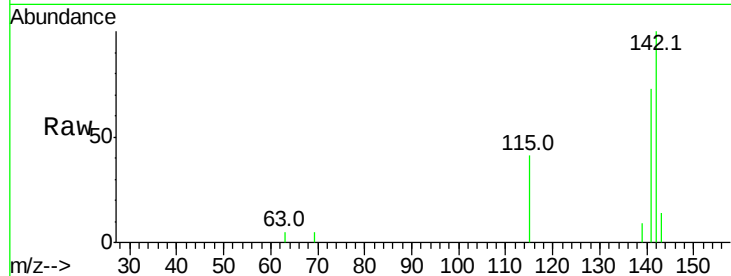




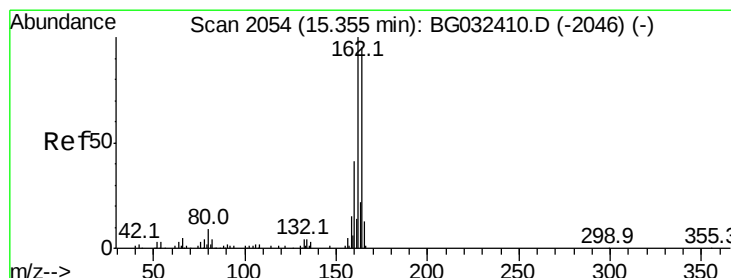
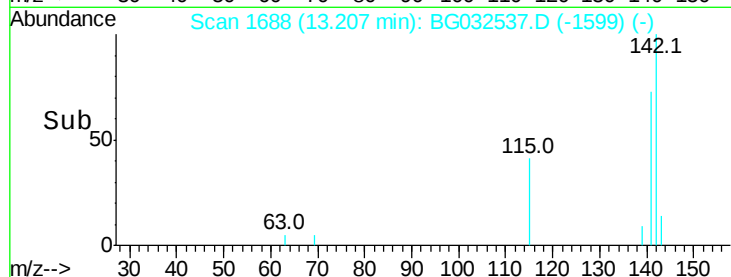
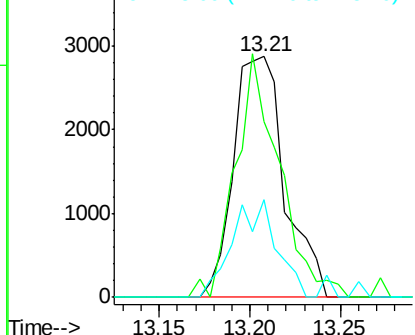
#37  
2-Methylnaphthalene  
Concen: 2.082 ng  
RT: 13.21 min Scan# 1688  
Delta R.T. -0.01 min  
Lab File: BG032537.D  
Acq: 5 Feb 2018 17:09

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:142 Resp: 5671  
Ion Ratio Lower Upper  
142 100  
141 73.4 67.1 100.7  
115 40.6 30.7 46.1

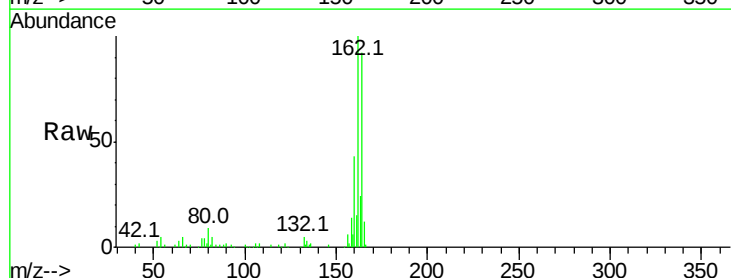


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

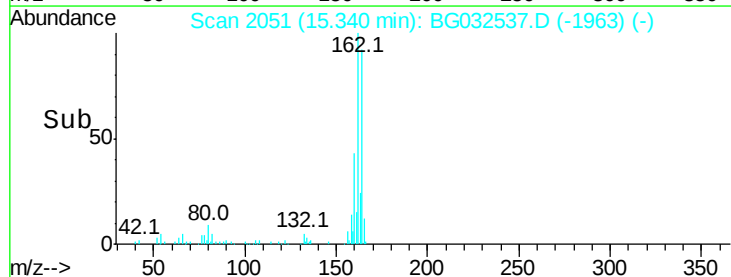
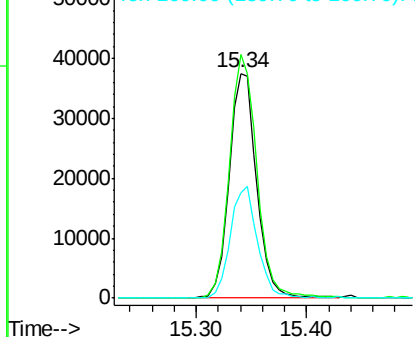


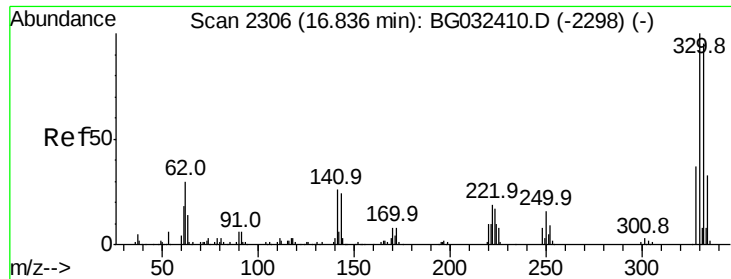
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 15.34 min Scan# 2051  
Delta R.T. -0.01 min  
Lab File: BG032537.D  
Acq: 5 Feb 2018 17:09

Tgt Ion:164 Resp: 65230  
Ion Ratio Lower Upper  
164 100  
162 108.2 78.8 118.2  
160 46.6 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

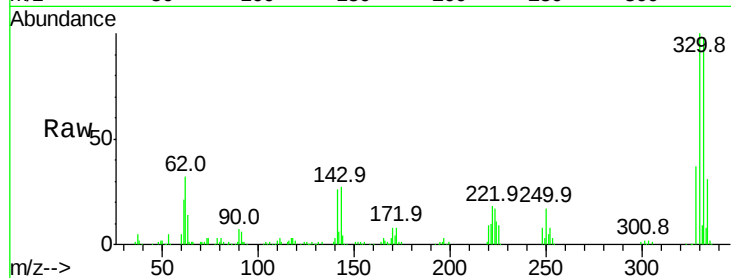




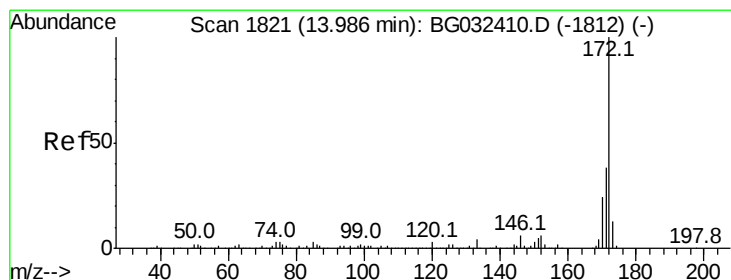
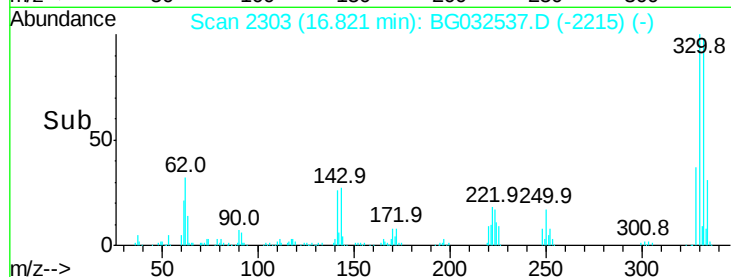
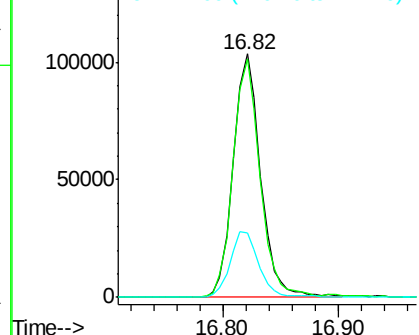
#41  
 2,4,6-Tribromophenol  
 Concen: 137.423 ng  
 RT: 16.82 min Scan# 2303  
 Delta R.T. -0.01 min  
 Lab File: BG032537.D  
 Acq: 5 Feb 2018 17:09

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.8  | 77.0  | 115.6 |
| 141     | 28.4  | 25.2  | 37.8  |

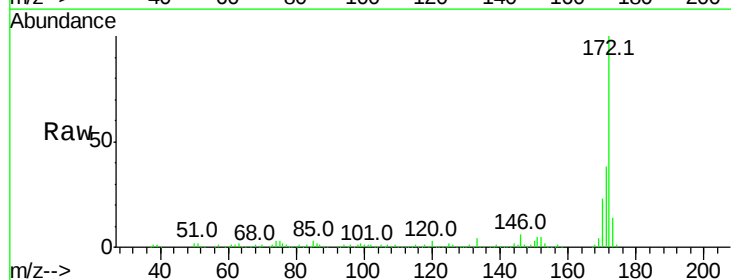


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

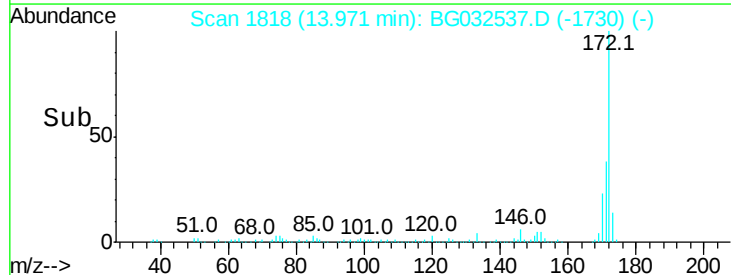
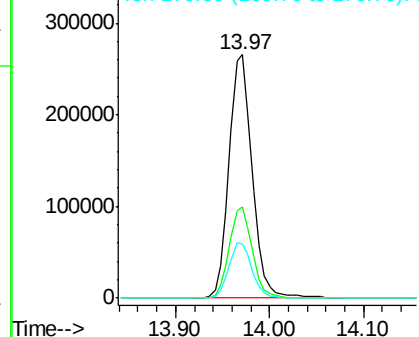


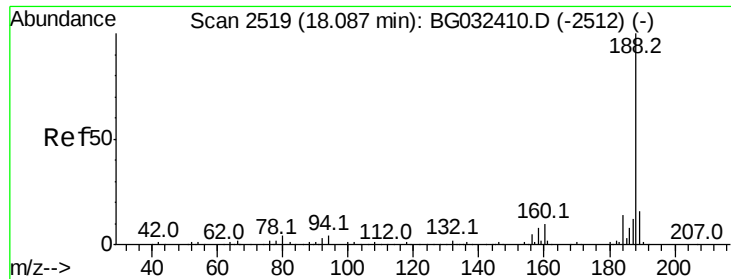
#44  
 2-Fluorobiphenyl  
 Concen: 83.246 ng  
 RT: 13.97 min Scan# 1818  
 Delta R.T. -0.01 min  
 Lab File: BG032537.D  
 Acq: 5 Feb 2018 17:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.6  | 30.0  | 45.0  |
| 170     | 22.5  | 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

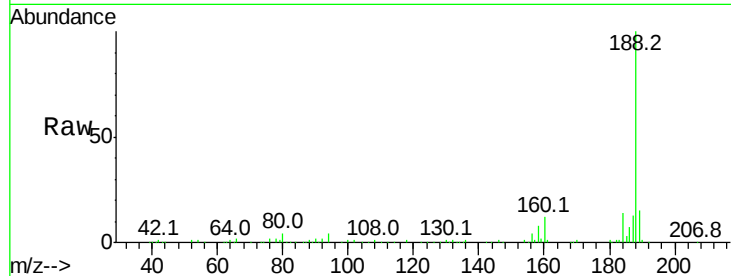




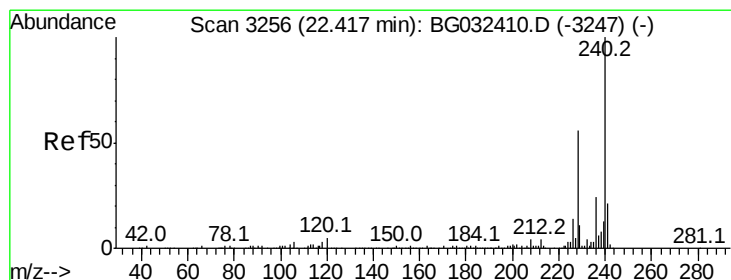
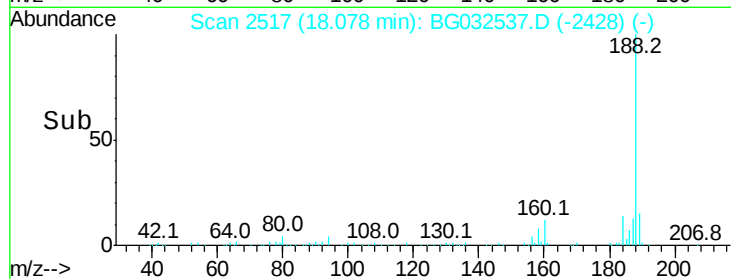
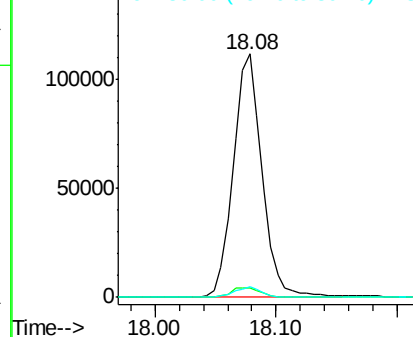
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.08 min Scan# 2517  
Delta R.T. -0.01 min  
Lab File: BG032537.D  
Acq: 5 Feb 2018 17:09

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:188 Resp: 184256  
Ion Ratio Lower Upper  
188 100  
94 3.8 6.9 10.3#  
80 4.3 7.7 11.5#

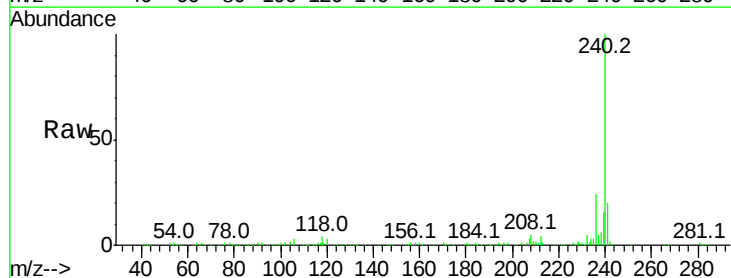


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

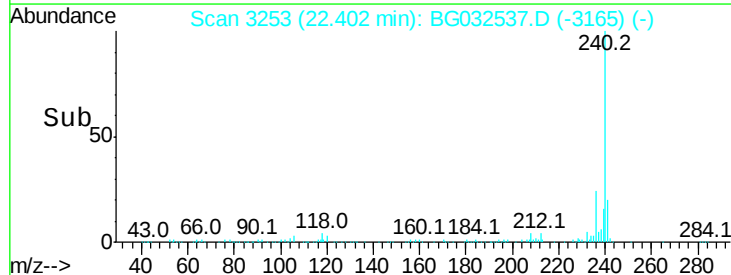
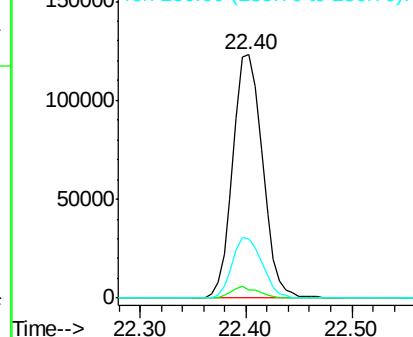


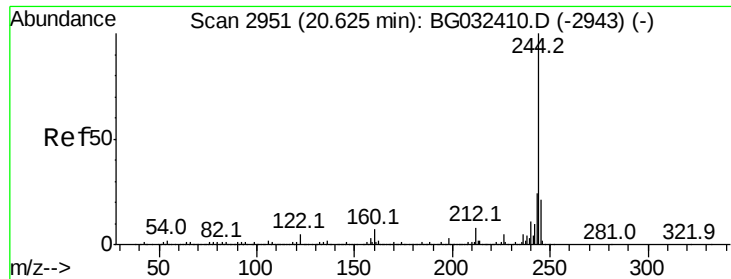
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 22.40 min Scan# 3253  
Delta R.T. -0.01 min  
Lab File: BG032537.D  
Acq: 5 Feb 2018 17:09

Tgt Ion:240 Resp: 240442  
Ion Ratio Lower Upper  
240 100  
120 3.1 6.8 10.2#  
236 24.4 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: 84.177 ng

RT: 20.62 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032537.D

Acq: 5 Feb 2018 17:09

Instrument :

BNA\_G

ClientSampleId :

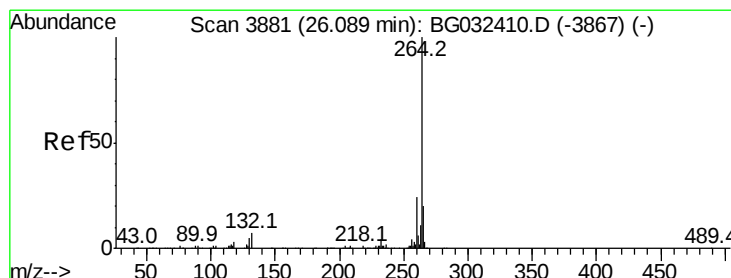
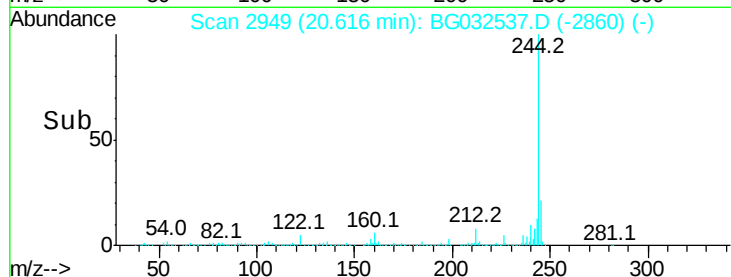
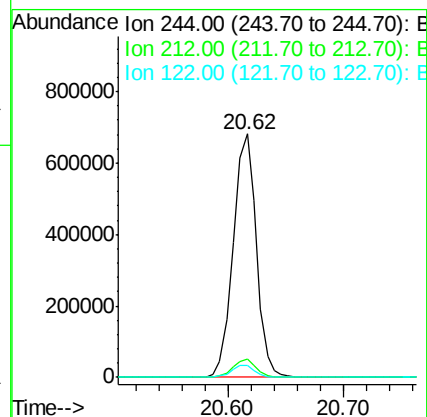
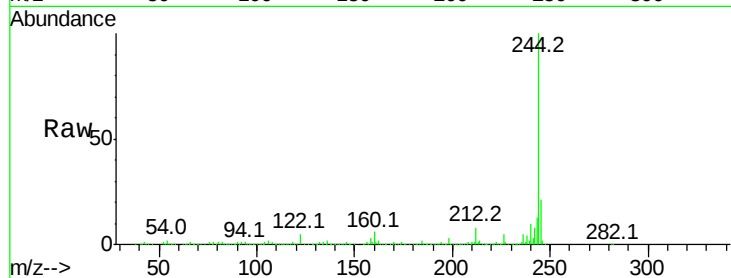
Tot Ion:244 Resp: 944859

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.8

122 5.1 7.0 10.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.07 min Scan# 3878

Delta R.T. -0.01 min

Lab File: BG032537.D

Acq: 5 Feb 2018 17:09

Tgt Ion:264 Resp: 257556

Ion Ratio Lower Upper

264 100

260 23.2 17.4 26.0

265 19.2 17.7 26.5

