

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020317\  
 Data File : BG025786.D  
 Acq On : 3 Feb 2017 9:22  
 Operator : SJ/MA  
 Sample : I1641-02  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Feb 03 12:32:26 2017  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 30 18:29:38 2017  
 Response via : Initial Calibration

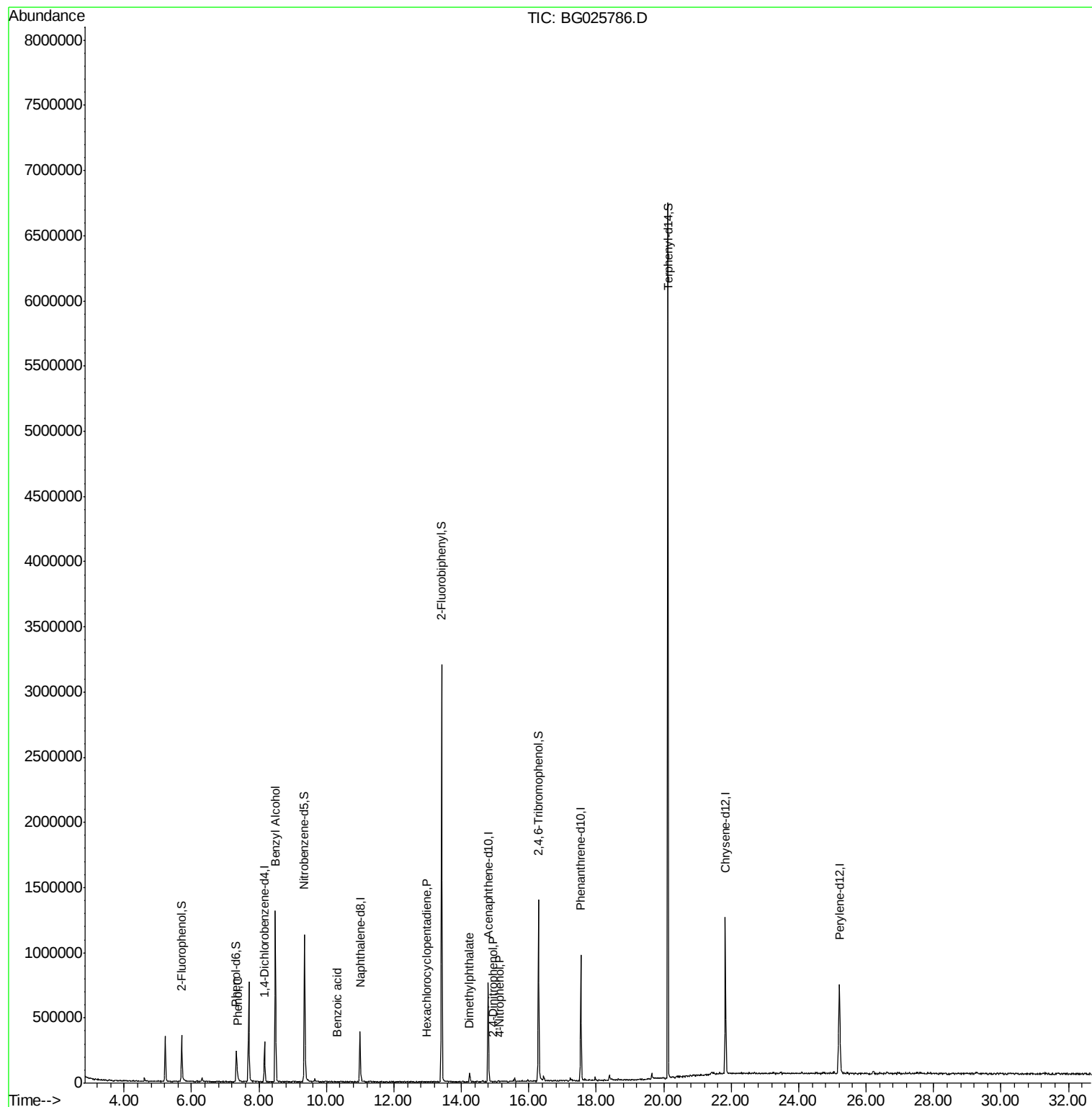
| Internal Standards            | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|-------------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4     | 8.17  | 152  | 79345    | 20.00 | ng    | 0.00      |
| 21) Naphthalene-d8            | 10.99 | 136  | 346408   | 20.00 | ng    | 0.00      |
| 38) Acenaphthene-d10          | 14.80 | 164  | 278191   | 20.00 | ng    | 0.00      |
| 63) Phenanthrene-d10          | 17.55 | 188  | 621297   | 20.00 | ng    | 0.00      |
| 75) Chrysene-d12              | 21.83 | 240  | 765769   | 20.00 | ng    | -0.01     |
| 86) Perylene-d12              | 25.21 | 264  | 770948   | 20.00 | ng    | -0.01     |
| System Monitoring Compounds   |       |      |          |       |       |           |
| 5) 2-Fluorophenol             | 5.71  | 112  | 168967   | 38.17 | ng    | 0.00      |
| 7) Phenol-d6                  | 7.33  | 99   | 159146   | 24.61 | ng    | 0.00      |
| 23) Nitrobenzene-d5           | 9.35  | 82   | 764709   | 93.27 | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol      | 16.29 | 330  | 286736   | 72.27 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl          | 13.41 | 172  | 1602620  | 93.56 | ng    | 0.00      |
| 78) Terphenyl-d14             | 20.12 | 244  | 2593774  | 81.76 | ng    | 0.00      |
| Target Compounds              |       |      |          |       |       |           |
| 10) Phenol                    | 7.36  | 94   | 18224    | 2.51  | ng    | Qvalue 90 |
| 15) Benzyl Alcohol            | 8.49  | 79   | 12309    | 2.20  | ng    | # 63      |
| 32) Benzoic acid              | 10.31 | 122  | 75       | 7.91  | ng    | # 1       |
| 40) Hexachlorocyclopentadiene | 12.97 | 237  | 101      | 10.71 | ng    | # 29      |
| 49) Dimethylphthalate         | 14.24 | 163  | 49497    | 2.36  | ng    | # 98      |
| 53) 2,4-Dinitrophenol         | 14.94 | 184  | 53       | 9.46  | ng    | # 15      |
| 55) 4-Nitrophenol             | 15.12 | 139  | 84       | 5.60  | ng    | # 1       |

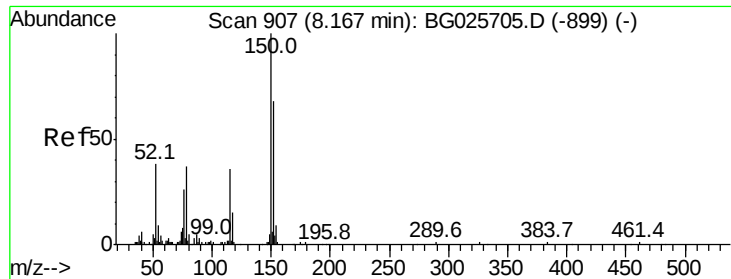
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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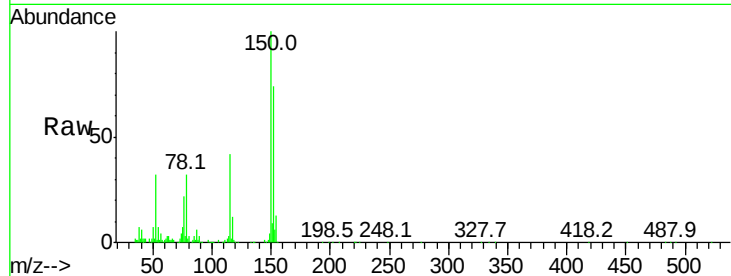


#1

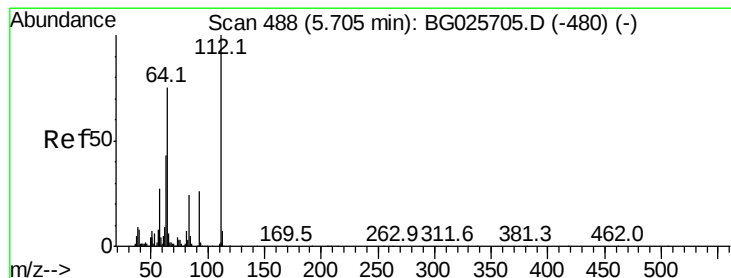
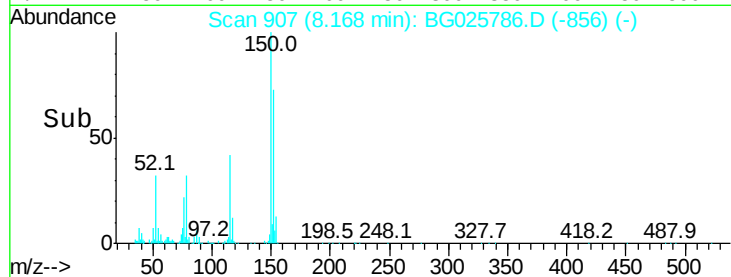
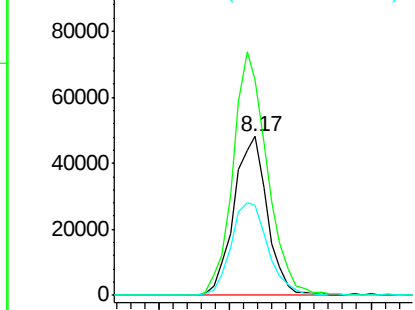
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.17 min Scan# 907  
Delta R.T. 0.00 min  
Lab File: BG025786.D  
Acq: 3 Feb 2017 9:22

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 79345  
Ion Ratio Lower Upper  
152 100  
150 135.7 114.0 171.0  
115 56.5 48.1 72.1



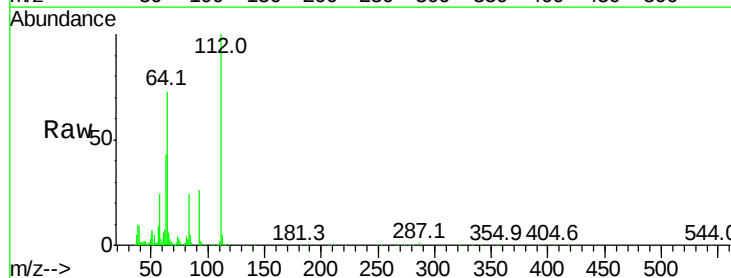
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



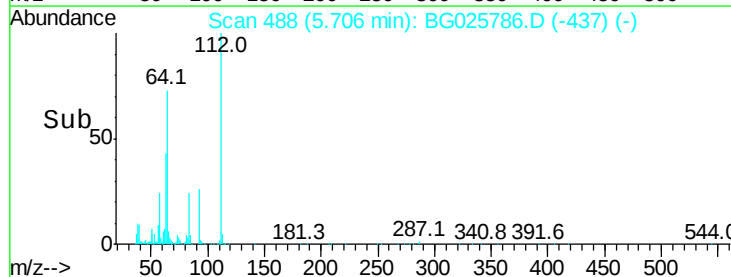
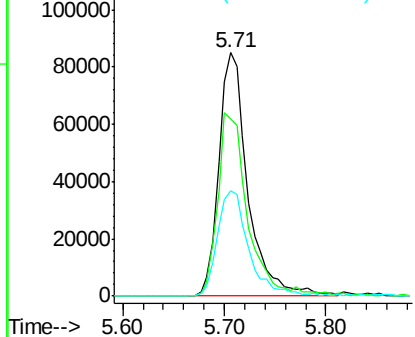
#5

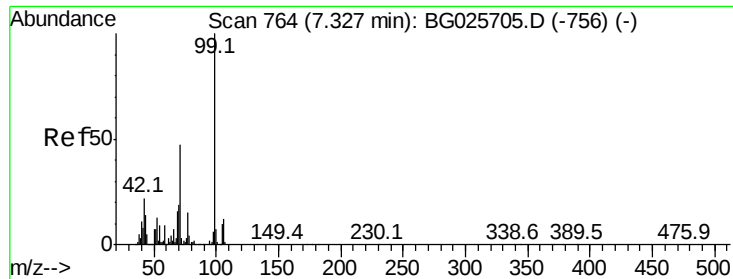
2-Fluorophenol  
Concen: 38.17 ng  
RT: 5.71 min Scan# 488  
Delta R.T. 0.00 min  
Lab File: BG025786.D  
Acq: 3 Feb 2017 9:22

Tgt Ion:112 Resp: 168967  
Ion Ratio Lower Upper  
112 100  
64 72.6 61.8 92.6  
63 43.1 37.2 55.8



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG0  
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 24.61 ng

RT: 7.33 min Scan# 764

Delta R.T. 0.00 min

Lab File: BG025786.D

Acq: 3 Feb 2017 9:22

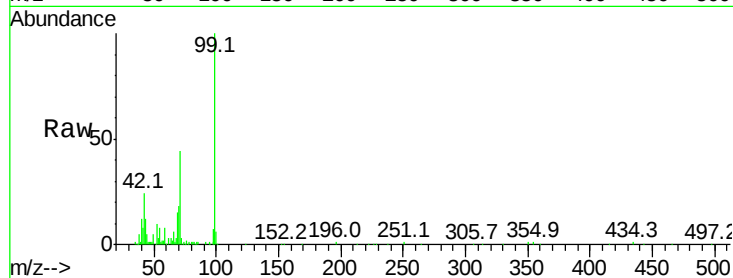
Instrument :

BNA\_G

ClientSampleId :

Tot Ion: 99 Resp: 159146

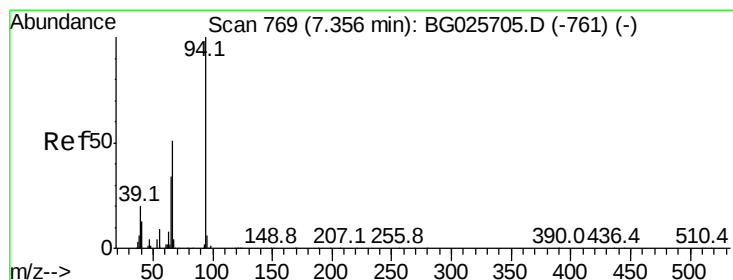
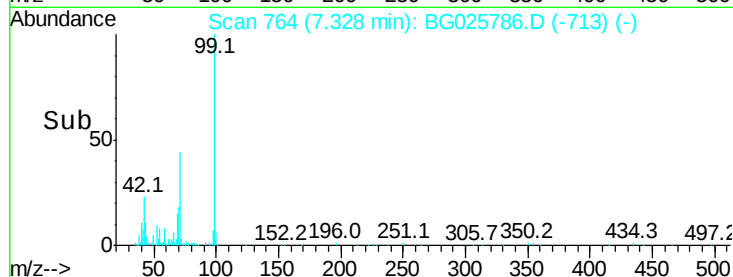
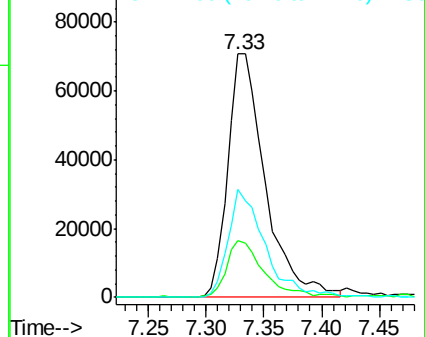
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 23.5  | 20.5  | 30.7  |
| 71  | 44.2  | 37.6  | 56.4  |



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



#10

Phenol

Concen: 2.51 ng

RT: 7.36 min Scan# 770

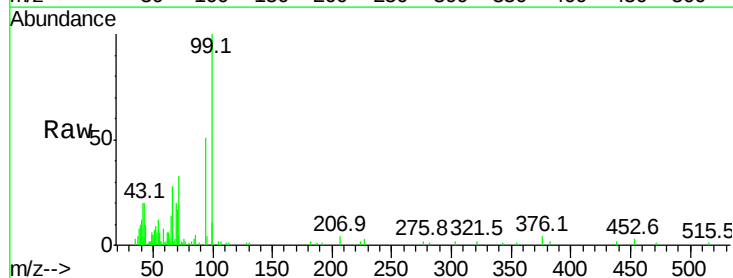
Delta R.T. 0.01 min

Lab File: BG025786.D

Acq: 3 Feb 2017 9:22

Tgt Ion: 94 Resp: 18224

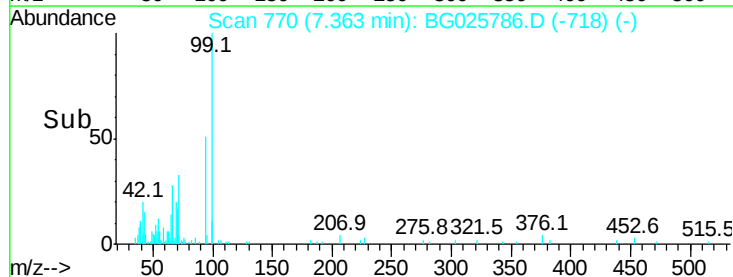
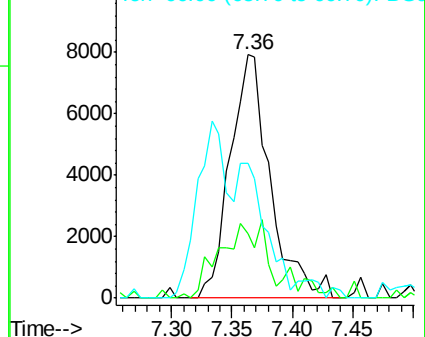
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 26.5  | 20.6  | 60.6  |
| 66  | 55.5  | 35.5  | 75.5  |

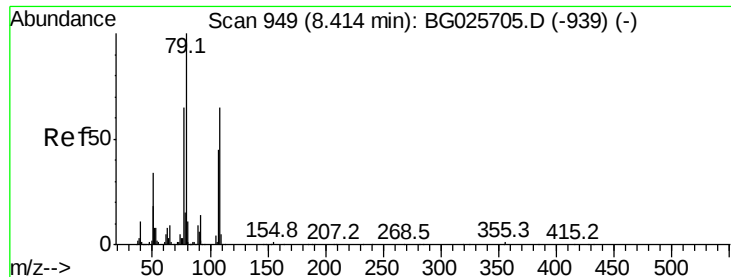


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC





#15

Benzyl Alcohol

Concen: 2.20 ng

RT: 8.49 min Scan# 961

Delta R.T. 0.07 min

Lab File: BG025786.D

Acq: 3 Feb 2017 9:22

Instrument :

BNA\_G

ClientSampleId :

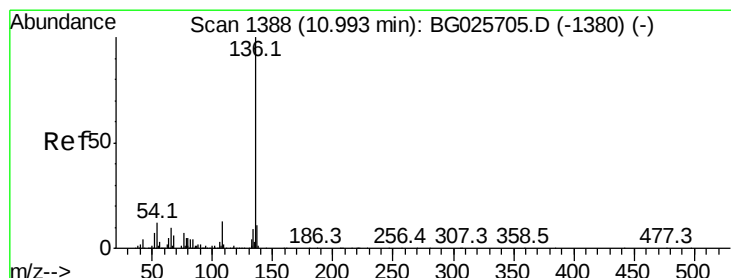
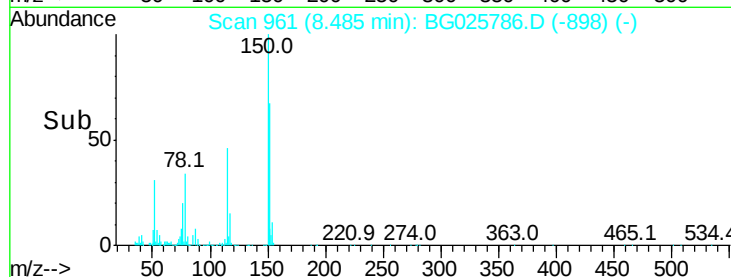
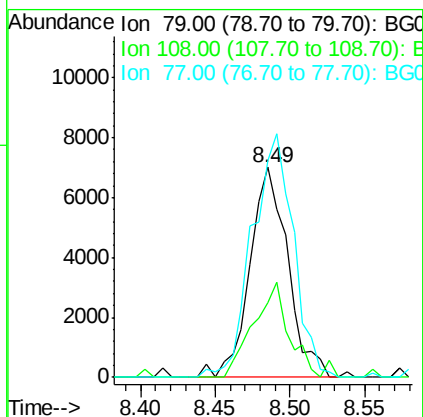
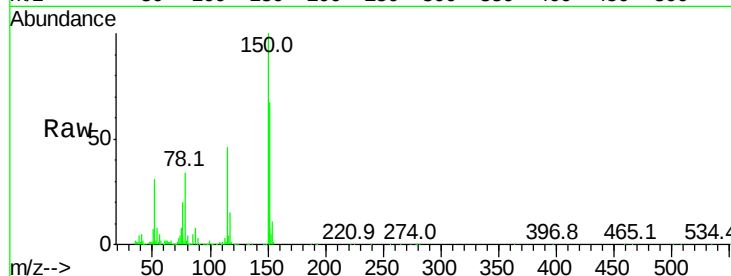
Tot Ion: 79 Resp: 12309

Ion Ratio Lower Upper

79 100

108 35.9 45.5 68.3#

77 103.4 54.3 81.5#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.99 min Scan# 1388

Delta R.T. 0.00 min

Lab File: BG025786.D

Acq: 3 Feb 2017 9:22

Tgt Ion: 136 Resp: 346408

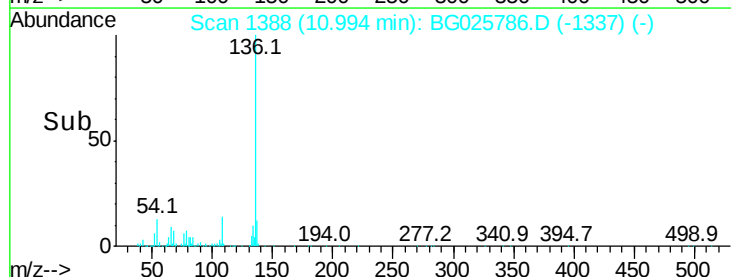
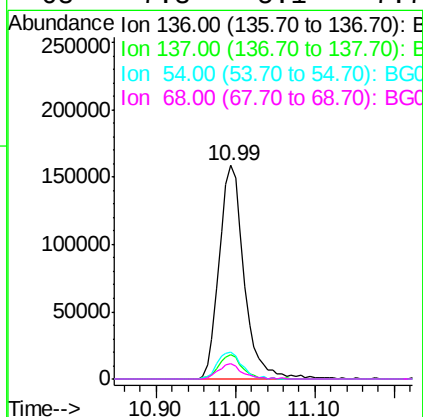
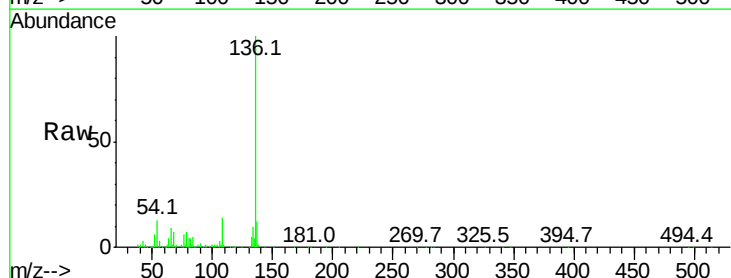
Ion Ratio Lower Upper

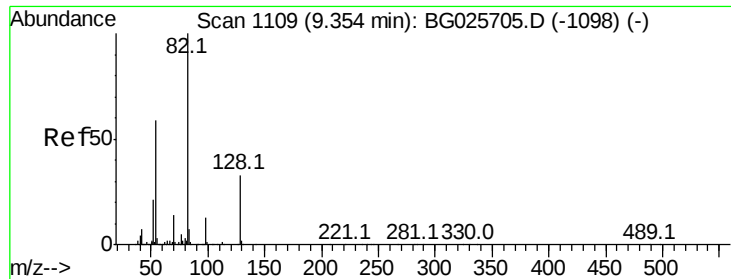
136 100

137 11.6 8.9 13.3

54 12.8 9.3 13.9

68 7.3 5.1 7.7

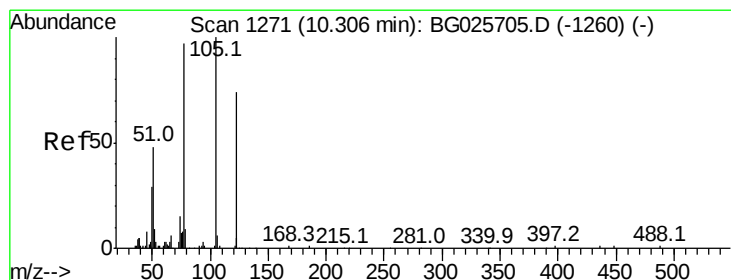
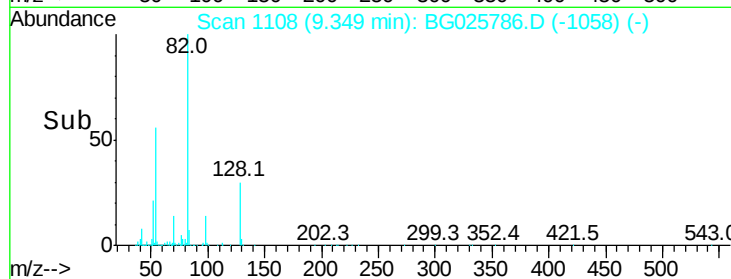
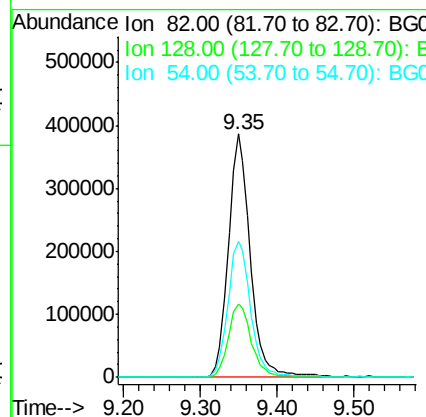
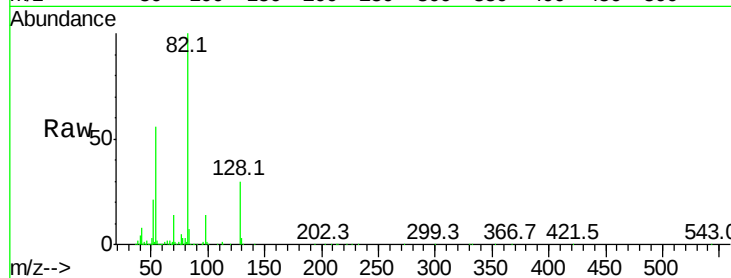




#23  
Nitrobenzene-d5  
Concen: 93.27 ng  
RT: 9.35 min Scan# 1108  
Delta R.T. -0.01 min  
Lab File: BG025786.D  
Acq: 3 Feb 2017 9:22

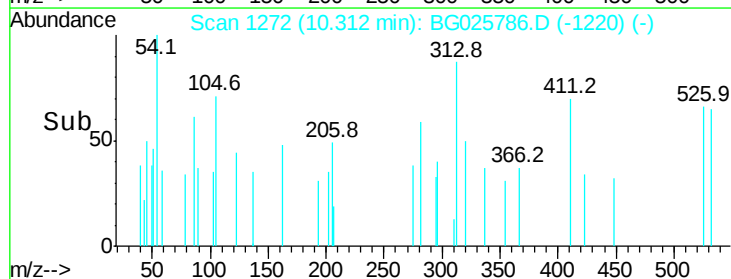
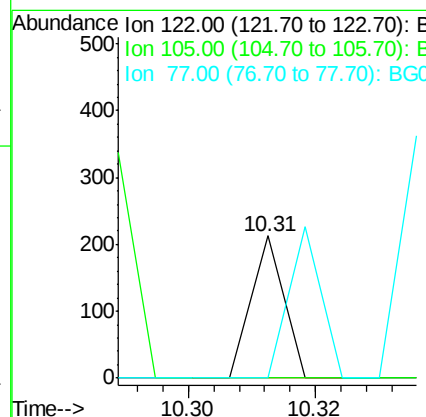
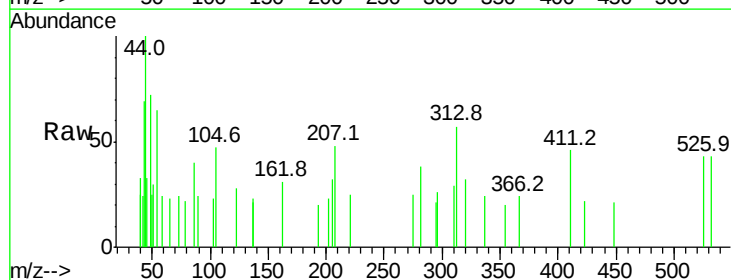
Instrument :  
BNA\_G  
ClientSampled :

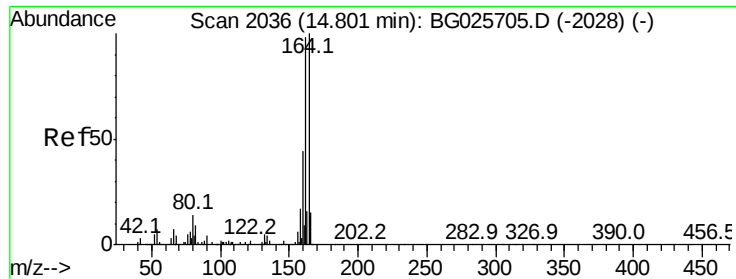
| Tot Ion | 82    | Resp  | 764709 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 82      | 100   |       |        |
| 128     | 30.2  | 26.4  | 39.6   |
| 54      | 56.0  | 49.4  | 74.2   |



#32  
Benzoic acid  
Concen: 7.91 ng  
RT: 10.31 min Scan# 1272  
Delta R.T. 0.01 min  
Lab File: BG025786.D  
Acq: 3 Feb 2017 9:22

| Tgt Ion | 122   | Resp  | 75     |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 122     | 100   |       |        |
| 105     | 0.0   | 120.1 | 160.1# |
| 77      | 0.0   | 104.6 | 144.6# |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BG025786.D

Acq: 3 Feb 2017 9:22

Instrument :

BNA\_G

ClientSampleId :

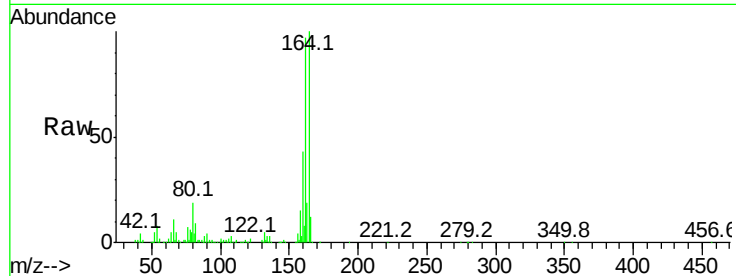
Tot Ion:164 Resp: 278191

Ion Ratio Lower Upper

164 100

162 96.5 85.1 127.7

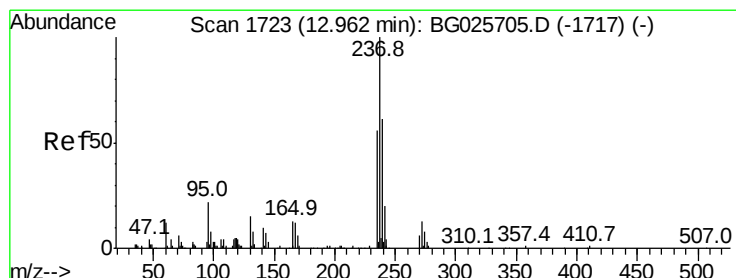
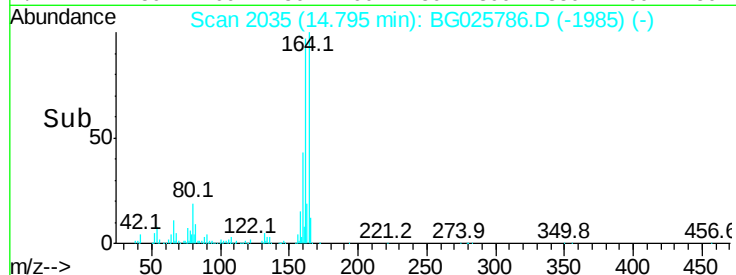
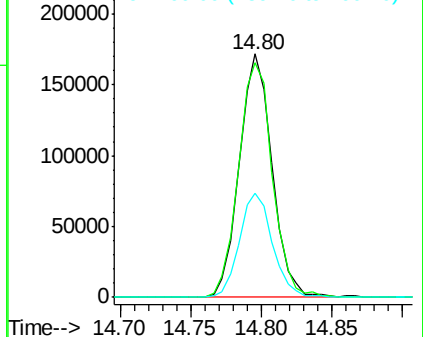
160 42.6 34.7 52.1



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



#40

Hexachlorocyclopentadiene

Concen: 10.71 ng

RT: 12.97 min Scan# 1725

Delta R.T. 0.01 min

Lab File: BG025786.D

Acq: 3 Feb 2017 9:22

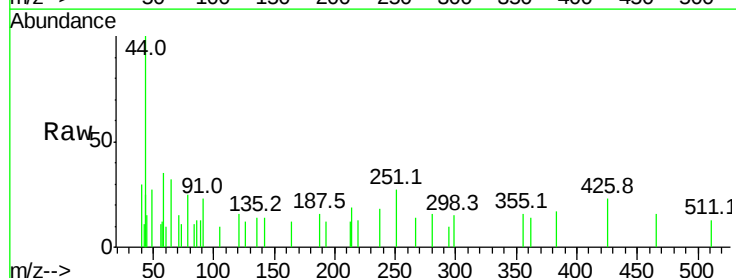
Tgt Ion:237 Resp: 101

Ion Ratio Lower Upper

237 100

235 0.0 39.4 79.4#

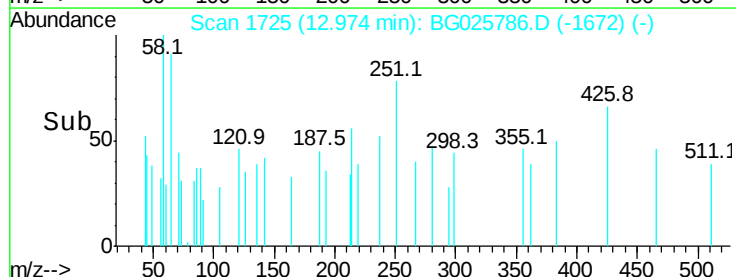
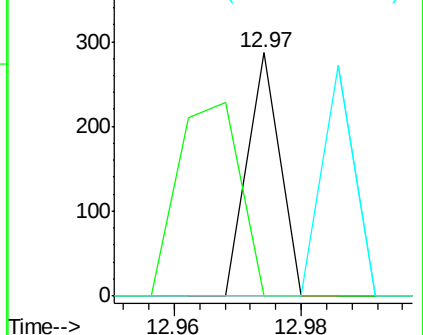
272 0.0 0.0 32.0

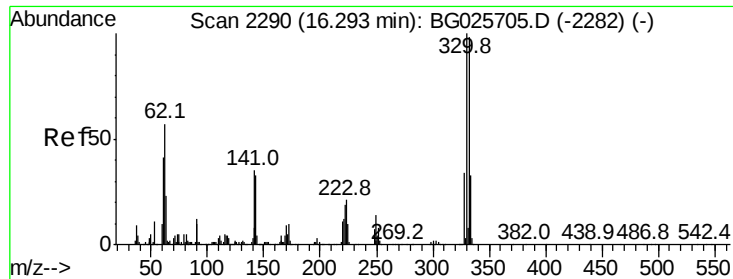


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

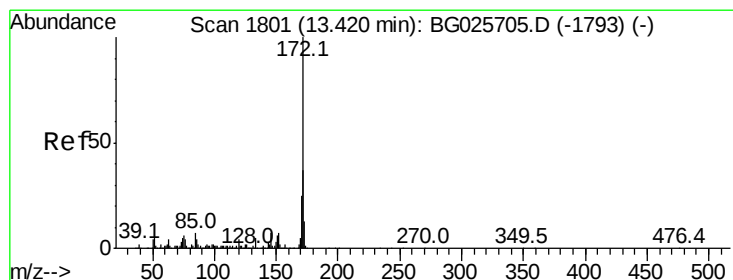
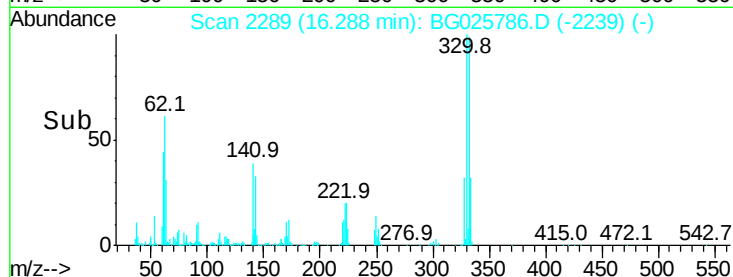
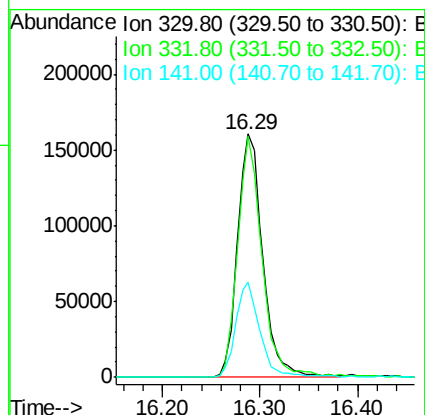
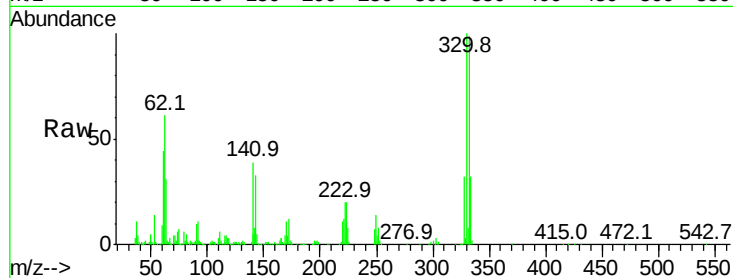




#41  
 2,4,6-Tribromophenol  
 Concen: 72.27 ng  
 RT: 16.29 min Scan# 2289  
 Delta R.T. -0.01 min  
 Lab File: BG025786.D  
 Acq: 3 Feb 2017 9:22

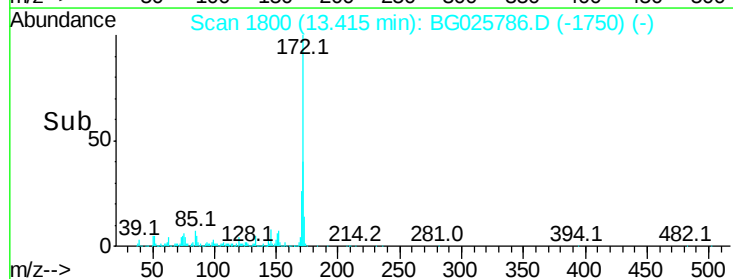
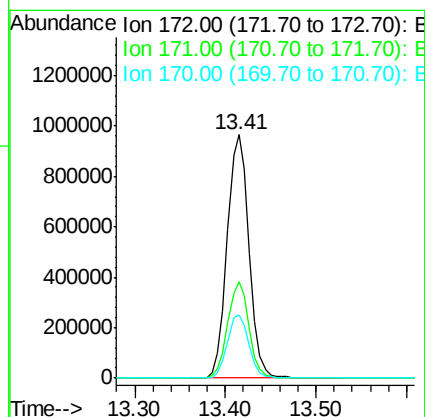
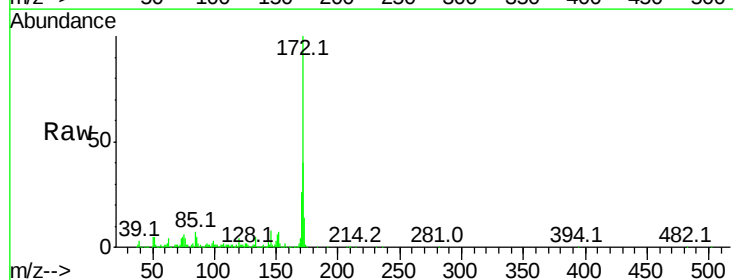
Instrument :  
 BNA\_G  
 ClientSampleId :

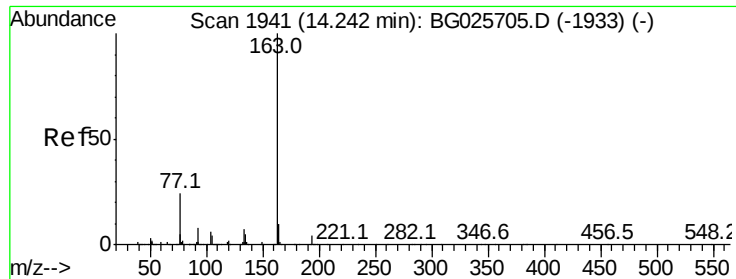
Tot Ion:330 Resp: 286736  
 Ion Ratio Lower Upper  
 330 100  
 332 95.5 77.3 115.9  
 141 37.2 32.1 48.1



#44  
 2-Fluorobiphenyl  
 Concen: 93.56 ng  
 RT: 13.41 min Scan# 1800  
 Delta R.T. -0.01 min  
 Lab File: BG025786.D  
 Acq: 3 Feb 2017 9:22

Tgt Ion:172 Resp: 1602620  
 Ion Ratio Lower Upper  
 172 100  
 171 39.6 32.2 48.2  
 170 25.9 21.8 32.6





#49

Dimethylphthalate

Concen: 2.36 ng

RT: 14.24 min Scan# 1941

Delta R.T. 0.00 min

Lab File: BG025786.D

Acq: 3 Feb 2017 9:22

Instrument :

BNA\_G

ClientSampleId :

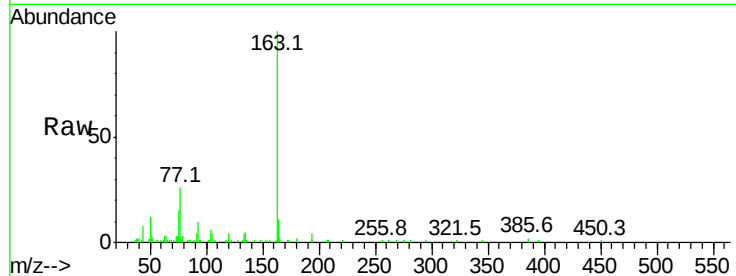
Tot Ion:163 Resp: 49497

Ion Ratio Lower Upper

163 100

194 3.7 3.8 5.6#

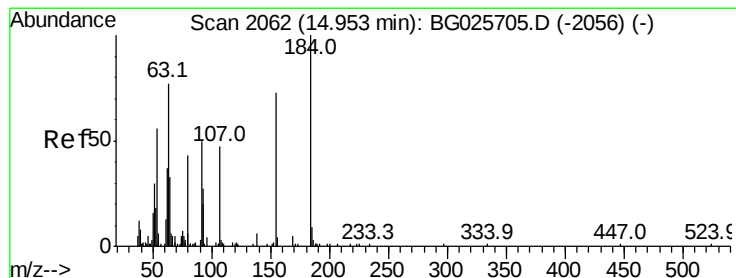
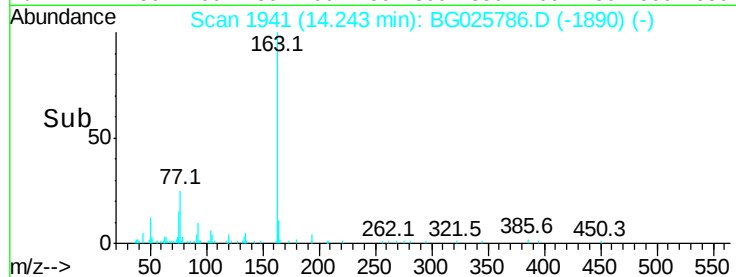
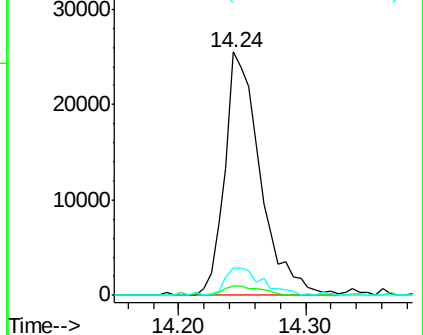
164 11.2 9.3 13.9



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#53

2,4-Dinitrophenol

Concen: 9.46 ng

RT: 14.94 min Scan# 2060

Delta R.T. -0.01 min

Lab File: BG025786.D

Acq: 3 Feb 2017 9:22

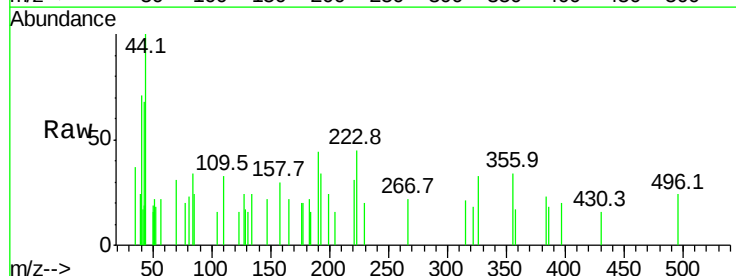
Tgt Ion:184 Resp: 53

Ion Ratio Lower Upper

184 100

63 0.0 52.7 79.1#

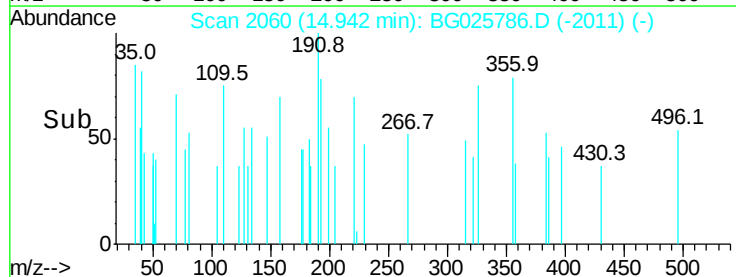
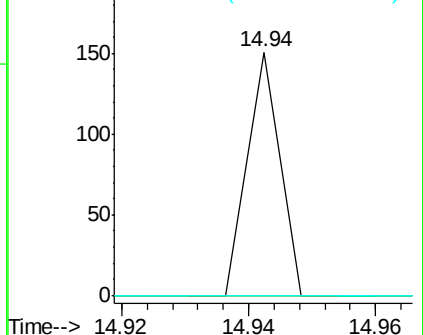
154 0.0 57.3 85.9#

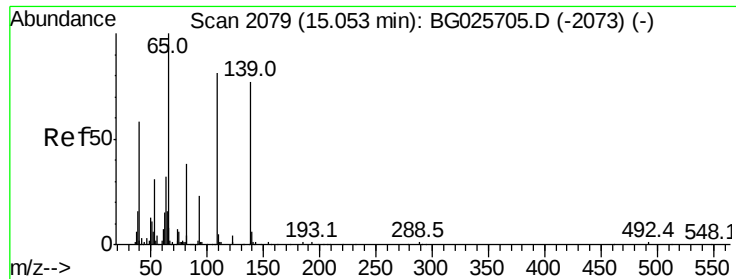


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E

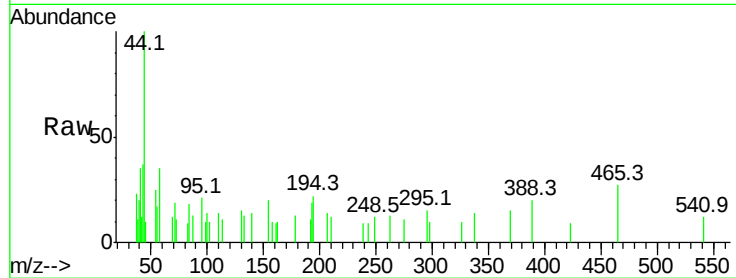




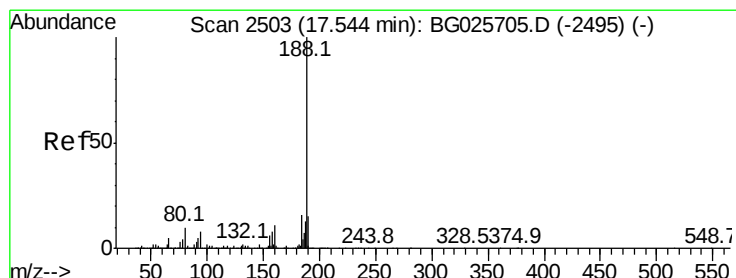
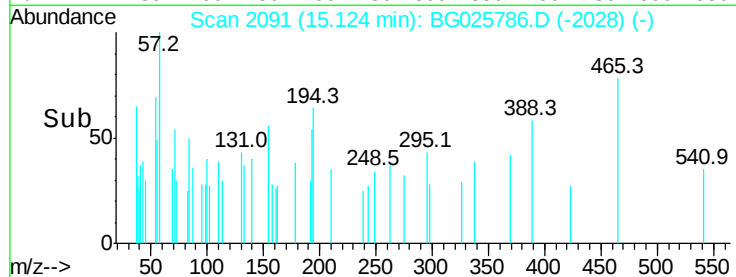
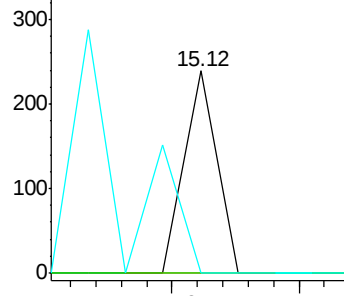
#55  
4-Nitrophenol  
Concen: 5.60 ng  
RT: 15.12 min Scan# 2091  
Delta R.T. 0.07 min  
Lab File: BG025786.D  
Acq: 3 Feb 2017 9:22

Instrument :  
BNA\_G  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 139     | 100   |       |        |
| 109     | 0.0   | 101.2 | 141.2# |
| 65      | 0.0   | 135.3 | 175.3# |

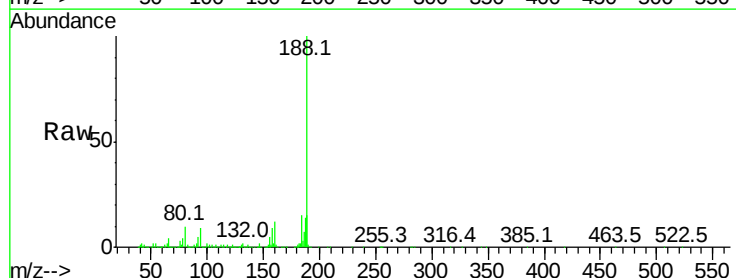


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BGC

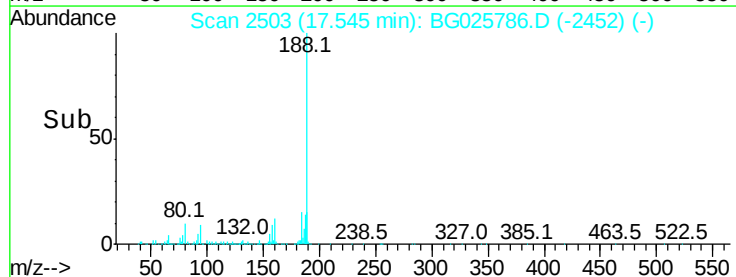
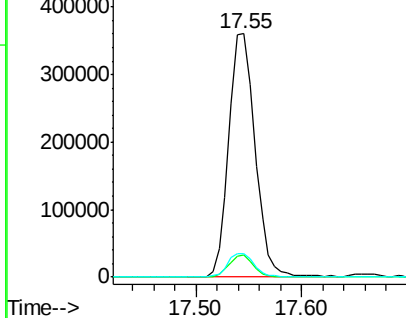


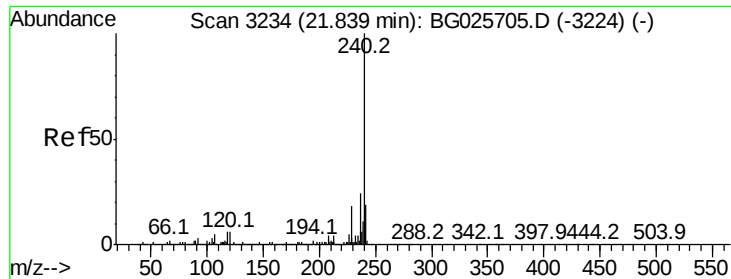
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.55 min Scan# 2503  
Delta R.T. 0.00 min  
Lab File: BG025786.D  
Acq: 3 Feb 2017 9:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.1   | 5.8   | 8.8#  |
| 80      | 9.5   | 7.5   | 11.3  |



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: 20.00 ng

RT: 21.83 min Scan# 3232

Delta R.T. -0.01 min

Lab File: BG025786.D

Acq: 3 Feb 2017 9:22

Instrument :

BNA\_G

ClientSampleId :

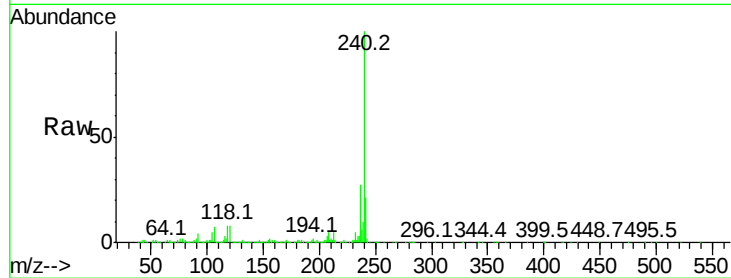
Tot Ion:240 Resp: 765769

Ion Ratio Lower Upper

240 100

120 8.4 5.7 8.5

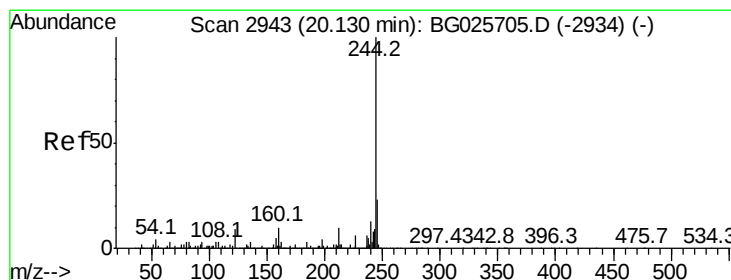
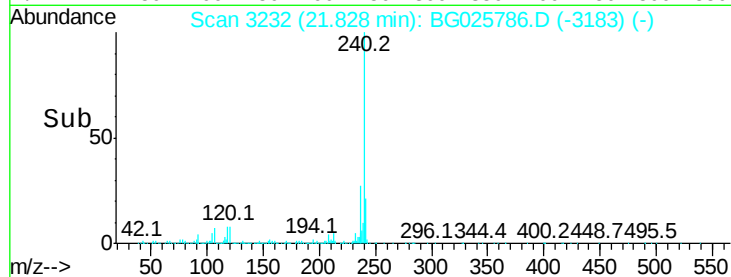
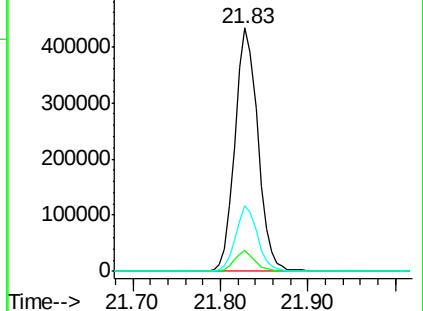
236 27.1 22.2 33.4



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: 81.76 ng

RT: 20.12 min Scan# 2942

Delta R.T. -0.01 min

Lab File: BG025786.D

Acq: 3 Feb 2017 9:22

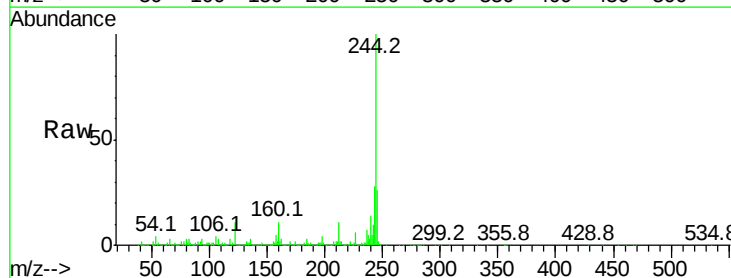
Tgt Ion:244 Resp: 2593774

Ion Ratio Lower Upper

244 100

212 10.9 10.0 15.0

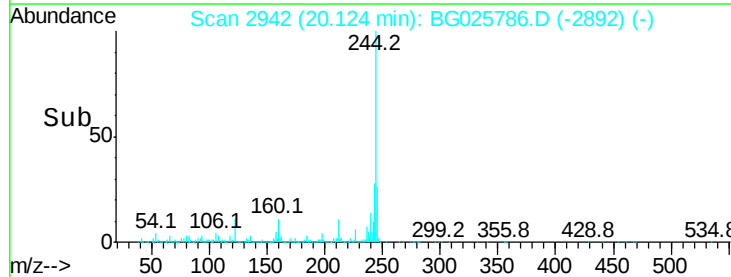
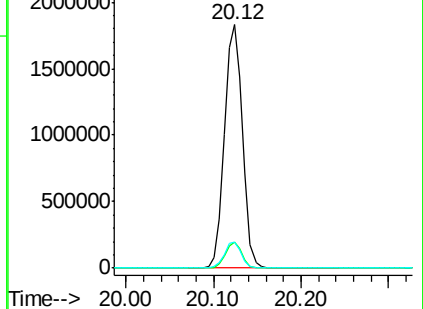
122 10.8 8.6 12.8

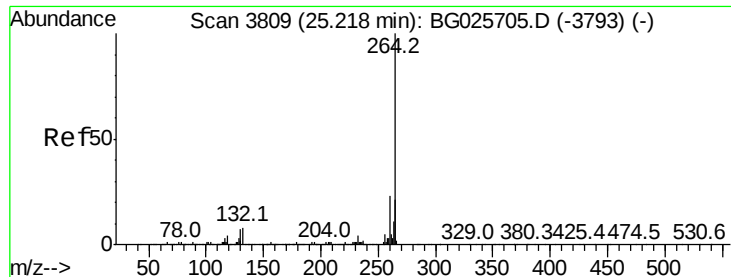


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

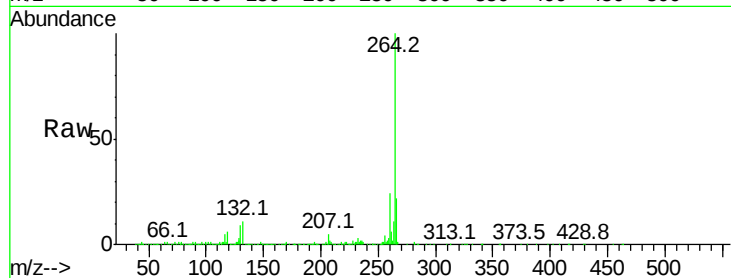




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 25.21 min Scan# 3807  
Delta R.T. -0.01 min  
Lab File: BG025786.D  
Acq: 3 Feb 2017 9:22

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 21.8  | 32.8  |
| 265     | 22.5  | 18.2  | 27.4  |



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

