

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG093016\  
 Data File : BG024182.D  
 Acq On : 1 Oct 2016 5:45  
 Operator : UM/SJ  
 Sample : H5023-10  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

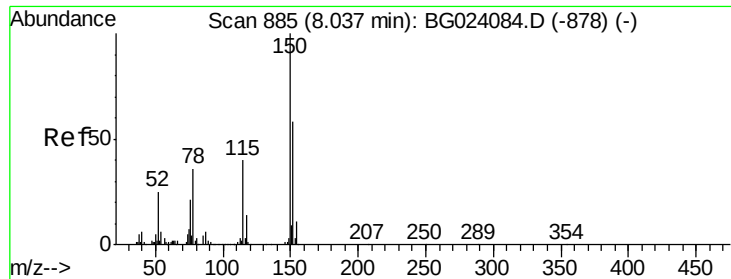
Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC-AREA-ABI54-09272016

Quant Time: Oct 03 00:55:04 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG092316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 23 15:35:28 2016  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4     | 8.03  | 152  | 32666    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.87 | 136  | 143260   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10          | 14.71 | 164  | 112823   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10          | 17.48 | 188  | 297141   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12              | 21.78 | 240  | 368864   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12              | 25.11 | 264  | 346818   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds   |       |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.58  | 112  | 205043   | 108.75 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.20  | 99   | 270661   | 85.31  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.21  | 82   | 348607   | 95.91  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol      | 16.21 | 330  | 147064   | 90.68  | ng    | -0.02    |
| 44) 2-Fluorobiphenyl          | 13.32 | 172  | 673077   | 100.28 | ng    | -0.01    |
| 78) Terphenyl-d14             | 20.08 | 244  | 1481494  | 82.24  | ng    | -0.02    |
| Target Compounds              |       |      |          |        |       |          |
| 32) Benzoic acid              | 10.21 | 122  | 69       | 2.19   | ng    | # 23     |
| 40) Hexachlorocyclopentadiene | 12.73 | 237  | 96       | 3.66   | ng    | # 26     |
| 53) 2,4-Dinitrophenol         | 14.90 | 184  | 54       | 2.51   | ng    | # 10     |
| 55) 4-Nitrophenol             | 14.98 | 139  | 87       | 5.40   | ng    | # 1      |
| 69) Pentachlorophenol         | 17.22 | 266  | 86       | 3.60   | ng    | # 18     |

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



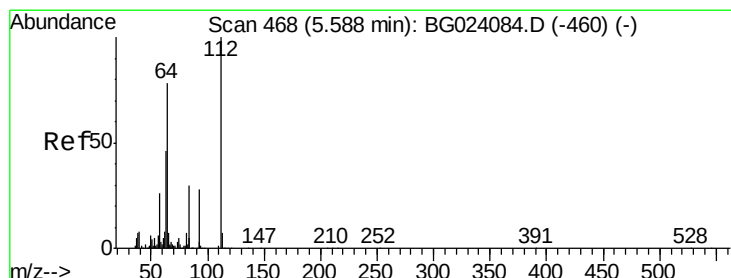
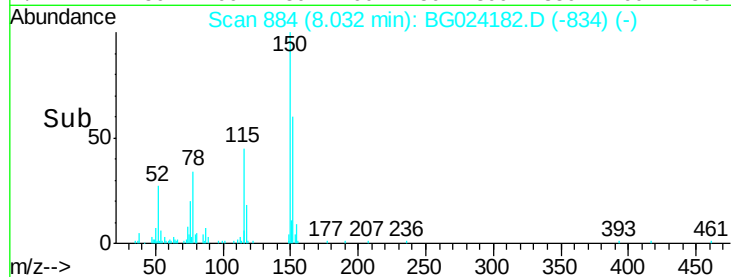
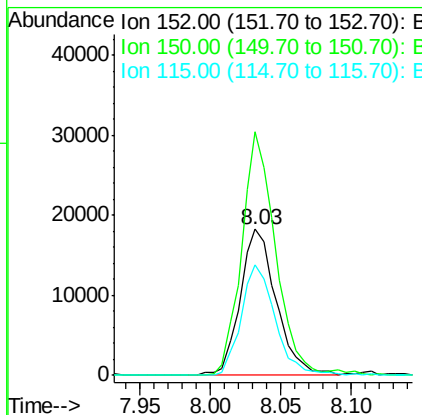
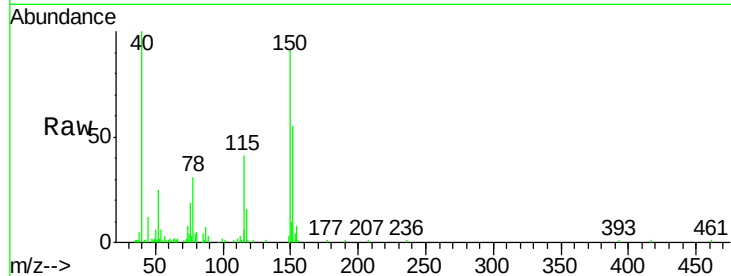


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.03 min Scan# 884  
Delta R.T. -0.01 min  
Lab File: BG024182.D  
Acq: 1 Oct 2016 5:45

Instrument :  
BNA\_G  
ClientSampleId :  
WC-AREA-ABI54-09272016

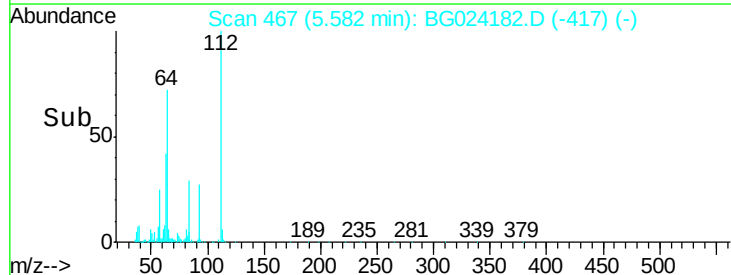
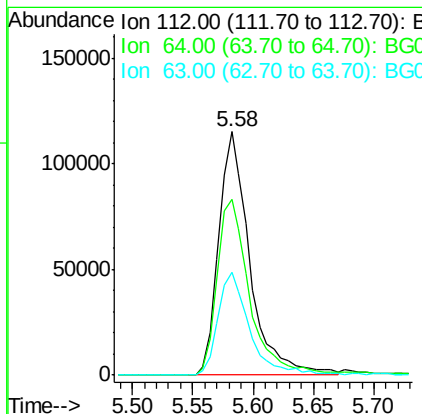
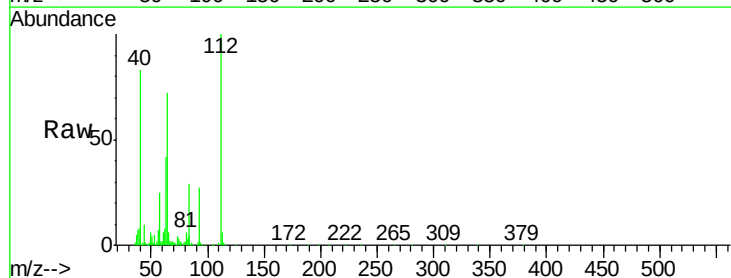
Tgt Ion:152 Resp: 32666  
Ion Ratio Lower Upper  
152 100  
150 166.4 144.7 217.1  
115 75.1 64.0 96.0

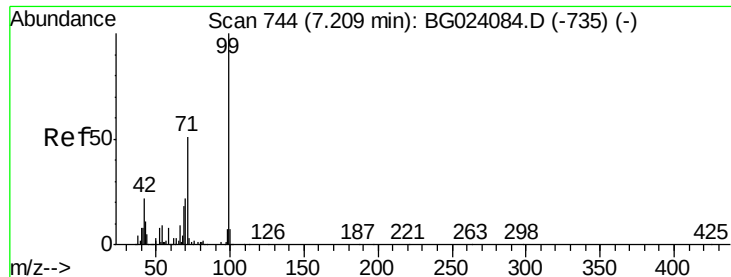


#5

2-Fluorophenol  
Concen: 108.75 ng  
RT: 5.58 min Scan# 467  
Delta R.T. -0.00 min  
Lab File: BG024182.D  
Acq: 1 Oct 2016 5:45

Tgt Ion:112 Resp: 205043  
Ion Ratio Lower Upper  
112 100  
64 72.0 59.0 88.4  
63 42.2 37.8 56.8





#7

Phenol-d6

Concen: 85.31 ng

RT: 7.20 min Scan# 743

Delta R.T. -0.01 min

Lab File: BG024182.D

Acq: 1 Oct 2016 5:45

Instrument :

BNA\_G

ClientSampleId :

WC-AREA-ABI54-09272016

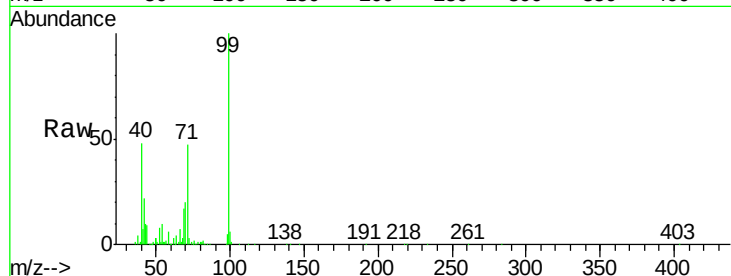
Tgt Ion: 99 Resp: 270661

Ion Ratio Lower Upper

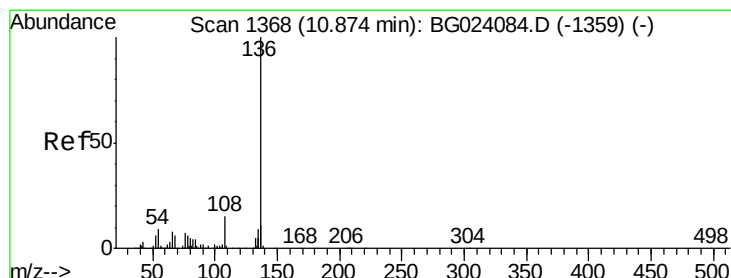
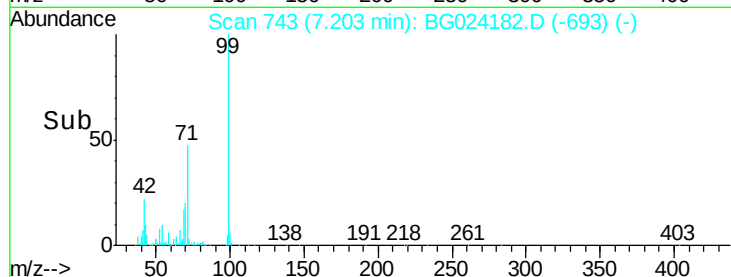
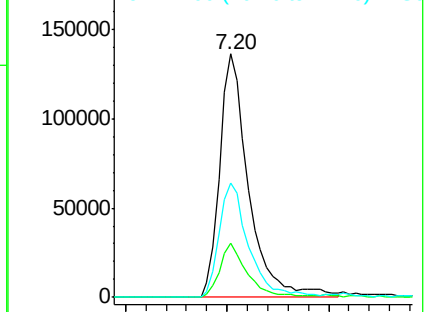
99 100

42 22.3 17.8 26.6

71 47.2 41.5 62.3



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: 20.00 ng

RT: 10.87 min Scan# 1367

Delta R.T. -0.01 min

Lab File: BG024182.D

Acq: 1 Oct 2016 5:45

Tgt Ion: 136 Resp: 143260

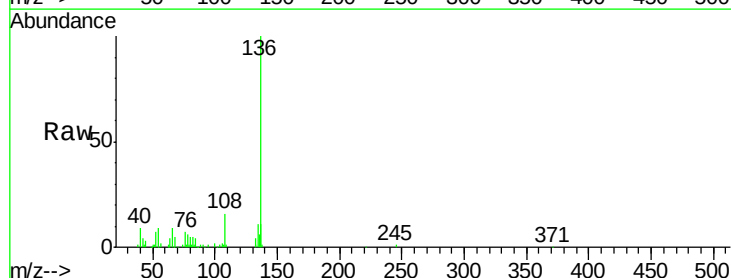
Ion Ratio Lower Upper

136 100

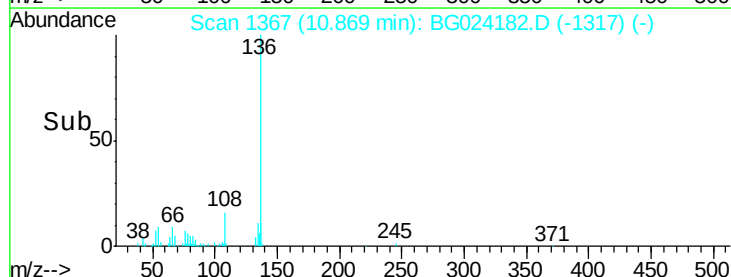
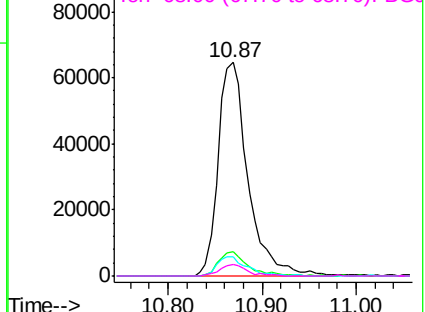
137 11.3 9.6 14.4

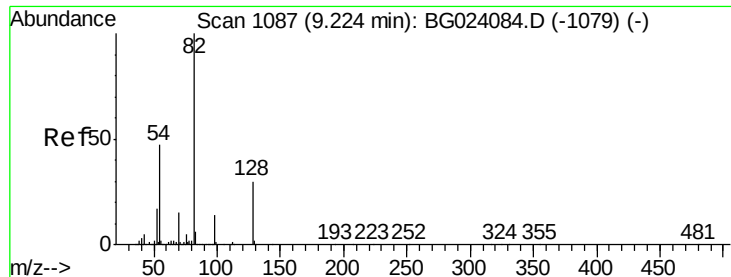
54 8.9 7.3 10.9

68 5.3 5.3 7.9



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

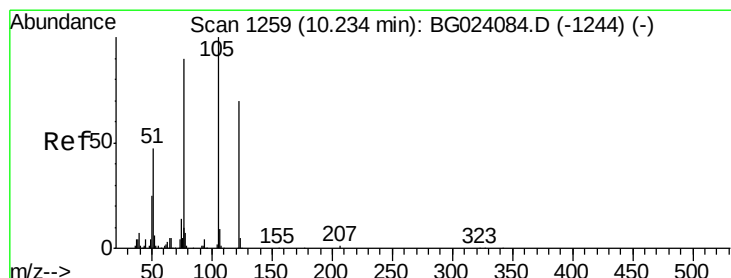
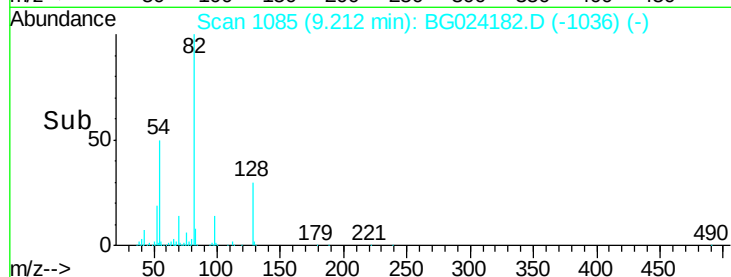
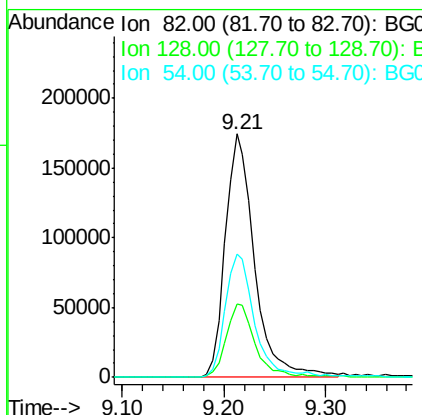
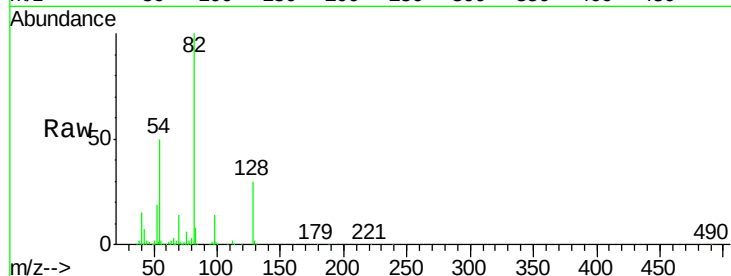




#23  
 Nitrobenzene-d5  
 Concen: 95.91 ng  
 RT: 9.21 min Scan# 1085  
 Delta R.T. -0.01 min  
 Lab File: BG024182.D  
 Acq: 1 Oct 2016 5:45

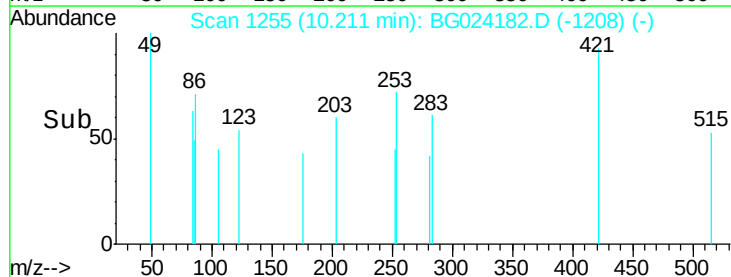
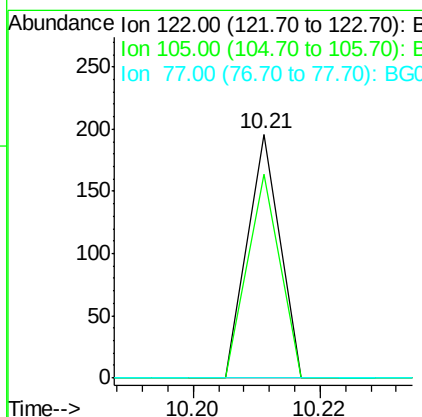
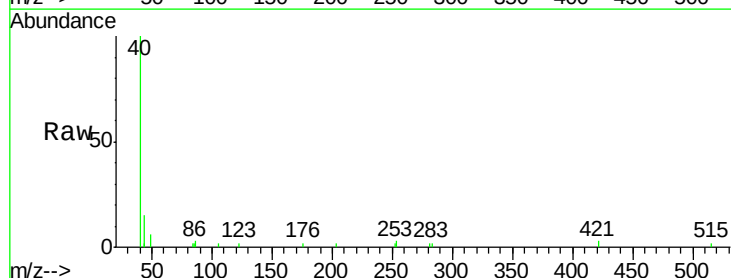
Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC-AREA-ABI54-09272016

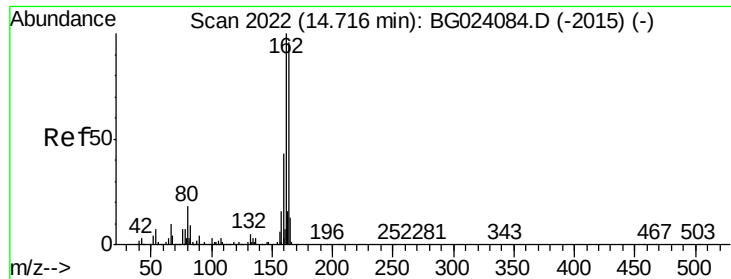
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 30.1  | 24.4  | 36.6  |
| 54      | 50.4  | 41.4  | 62.0  |



#32  
 Benzoic acid  
 Concen: 2.19 ng  
 RT: 10.21 min Scan# 1255  
 Delta R.T. -0.02 min  
 Lab File: BG024182.D  
 Acq: 1 Oct 2016 5:45

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 83.7  | 117.2 | 157.2# |
| 77      | 0.0   | 109.2 | 149.2# |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.71 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BG024182.D

Acq: 1 Oct 2016 5:45

Instrument :

BNA\_G

ClientSampleId :

WC-AREA-ABI54-09272016

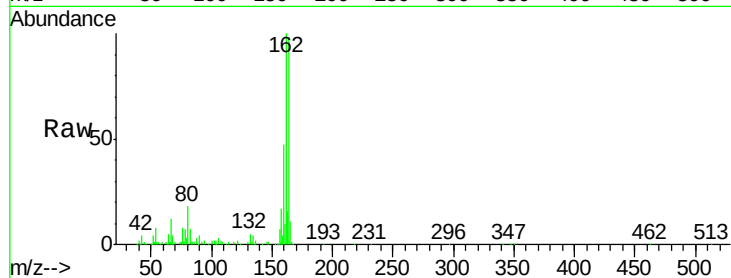
Tgt Ion:164 Resp: 112823

Ion Ratio Lower Upper

164 100

162 101.9 87.7 131.5

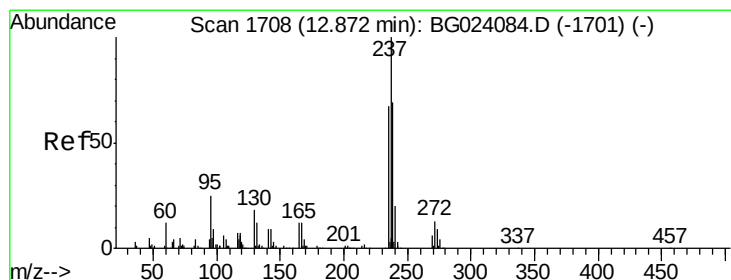
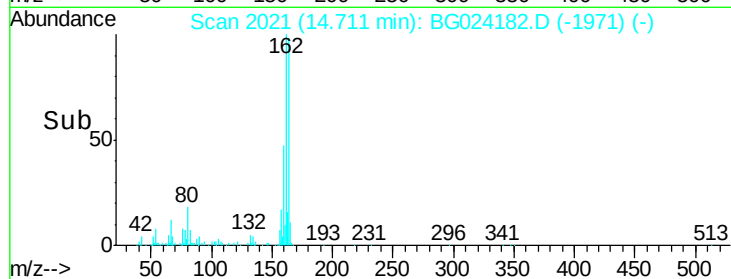
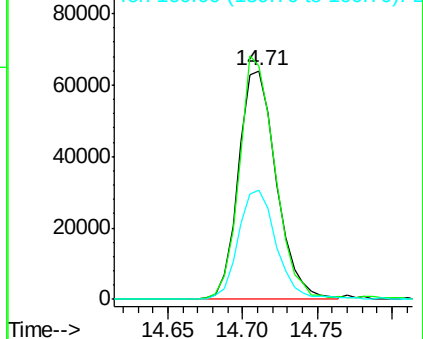
160 47.7 37.2 55.8



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: 3.66 ng

RT: 12.73 min Scan# 1684

Delta R.T. -0.14 min

Lab File: BG024182.D

Acq: 1 Oct 2016 5:45

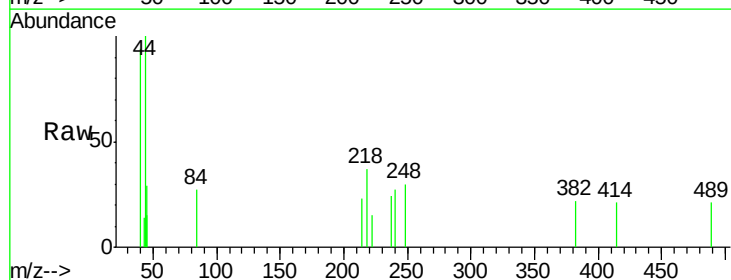
Tgt Ion:237 Resp: 96

Ion Ratio Lower Upper

237 100

235 0.0 43.1 83.1#

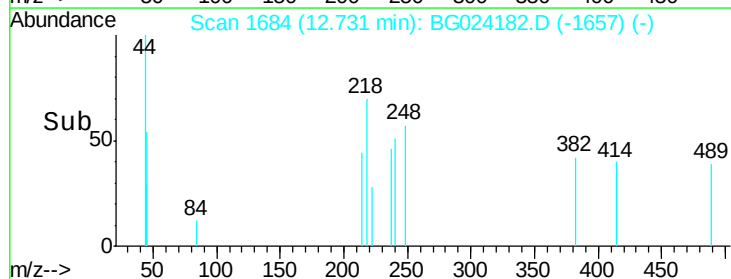
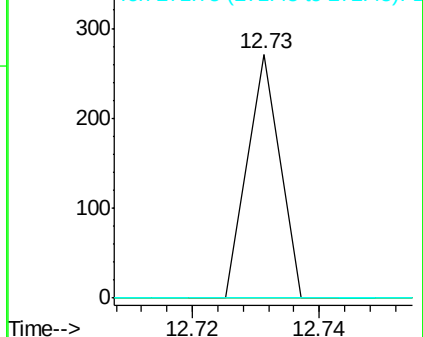
272 0.0 0.0 30.9

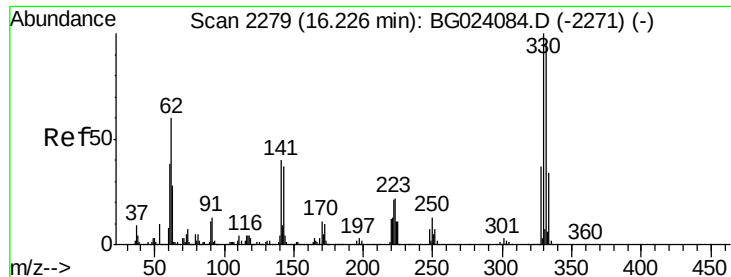


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

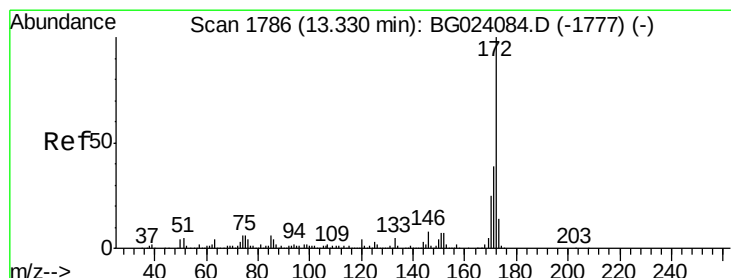
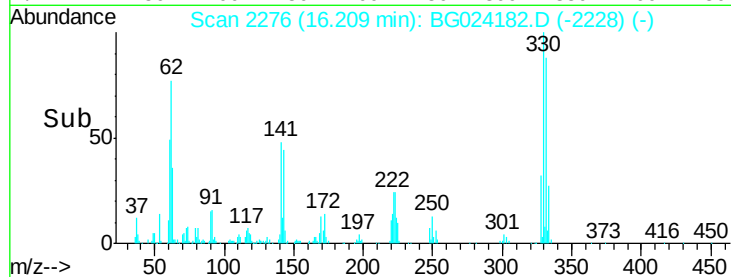
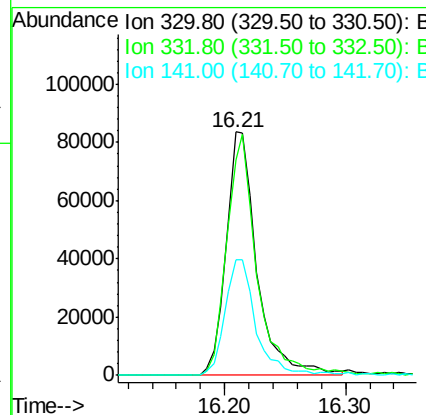
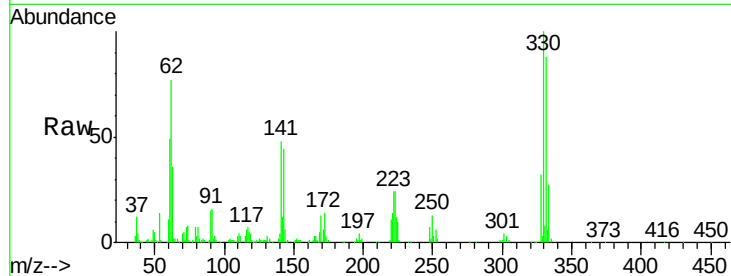




#41  
 2,4,6-Tribromophenol  
 Concen: 90.68 ng  
 RT: 16.21 min Scan# 2276  
 Delta R.T. -0.02 min  
 Lab File: BG024182.D  
 Acq: 1 Oct 2016 5:45

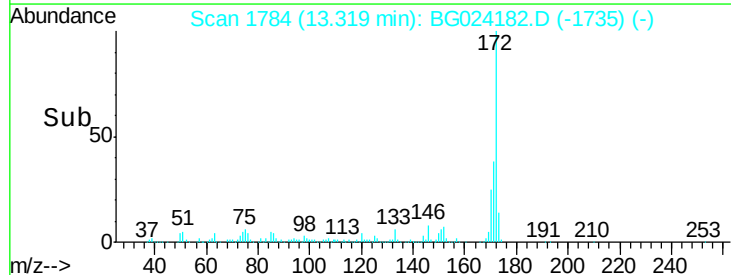
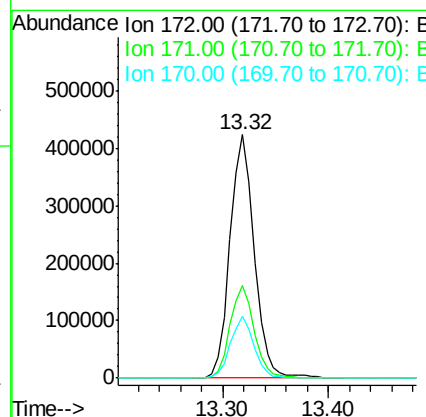
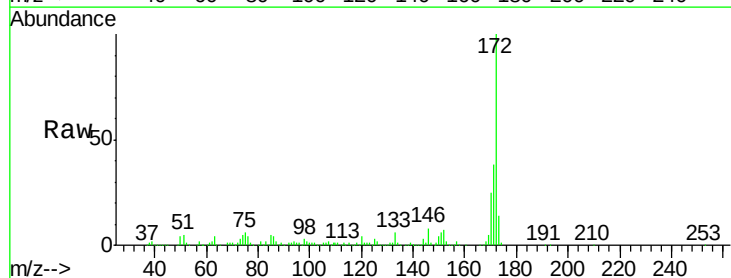
Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC-AREA-ABI54-09272016

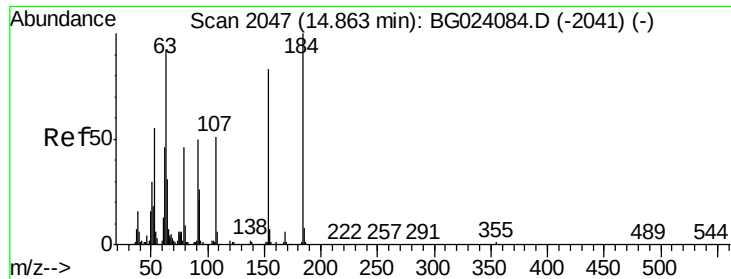
Tgt Ion:330 Resp: 147064  
 Ion Ratio Lower Upper  
 330 100  
 332 96.6 77.4 116.2  
 141 48.0 31.7 47.5#



#44  
 2-Fluorobiphenyl  
 Concen: 100.28 ng  
 RT: 13.32 min Scan# 1784  
 Delta R.T. -0.01 min  
 Lab File: BG024182.D  
 Acq: 1 Oct 2016 5:45

Tgt Ion:172 Resp: 673077  
 Ion Ratio Lower Upper  
 172 100  
 171 38.0 31.6 47.4  
 170 25.3 21.3 31.9

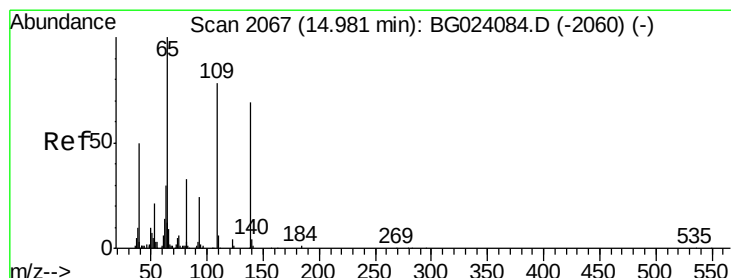
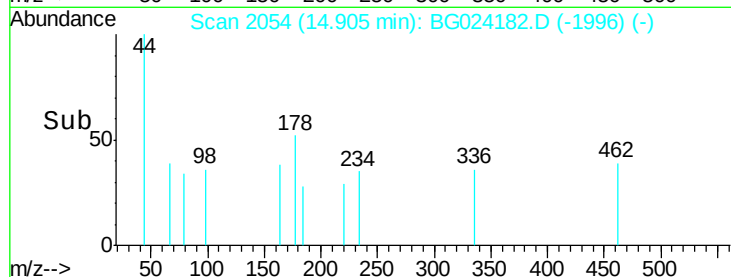
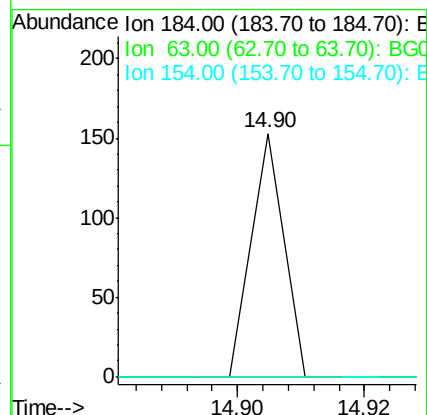
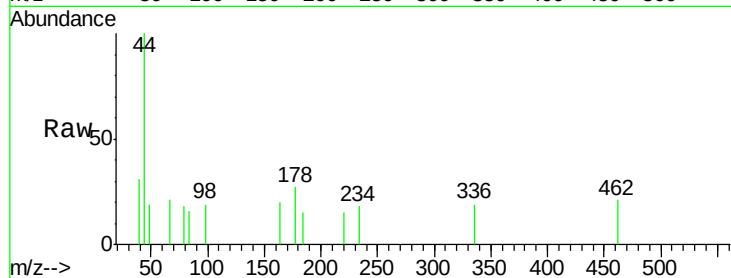




#53  
2,4-Dinitrophenol  
Concen: 2.51 ng  
RT: 14.90 min Scan# 2054  
Delta R.T. 0.04 min  
Lab File: BG024182.D  
Acq: 1 Oct 2016 5:45

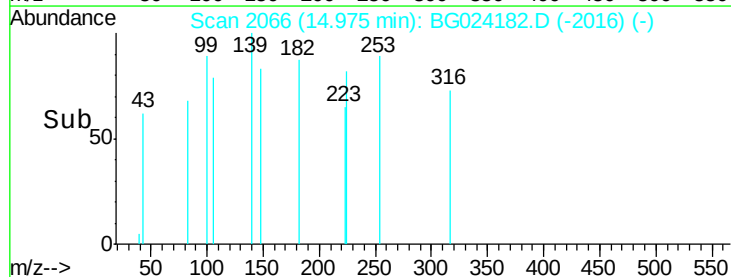
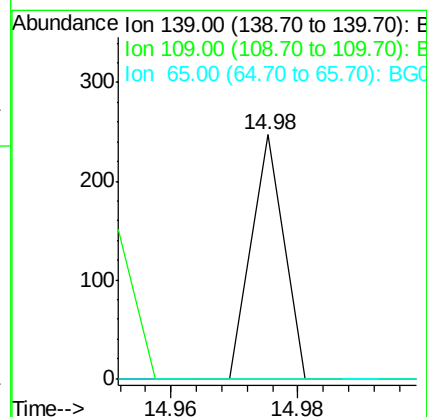
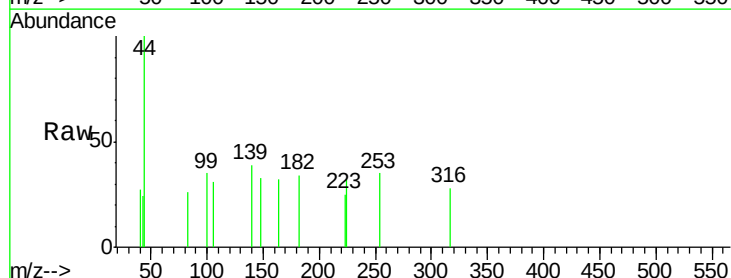
Instrument :  
BNA\_G  
ClientSampleId :  
WC-AREA-ABI54-09272016

Tgt Ion:184 Resp: 54  
Ion Ratio Lower Upper  
184 100  
63 0.0 59.6 89.4#  
154 0.0 67.4 101.0#

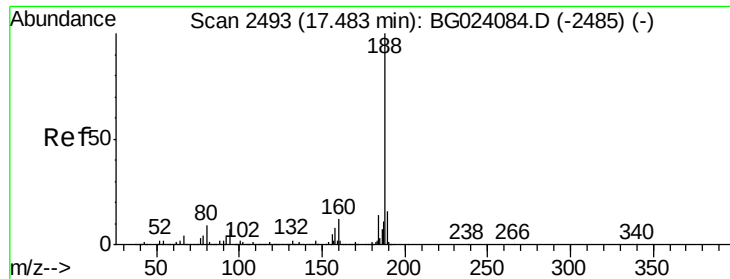


#55  
4-Nitrophenol  
Concen: 5.40 ng  
RT: 14.98 min Scan# 2066  
Delta R.T. -0.00 min  
Lab File: BG024182.D  
Acq: 1 Oct 2016 5:45

Tgt Ion:139 Resp: 87  
Ion Ratio Lower Upper  
139 100  
109 0.0 103.0 143.0#  
65 0.0 112.7 152.7#



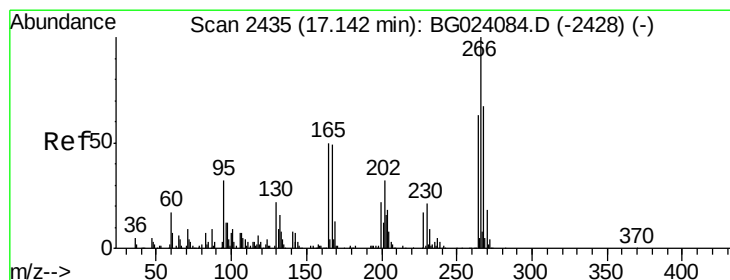
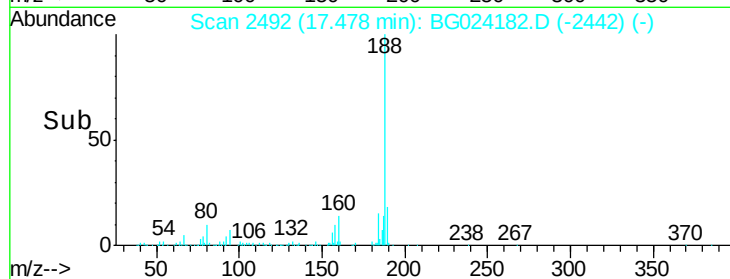
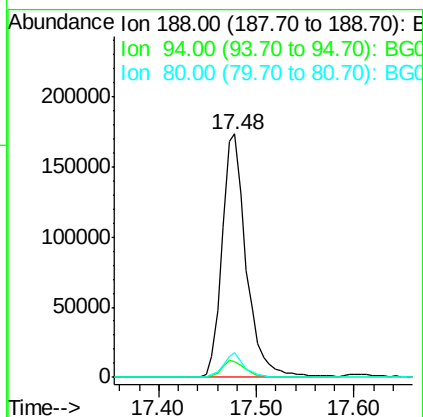
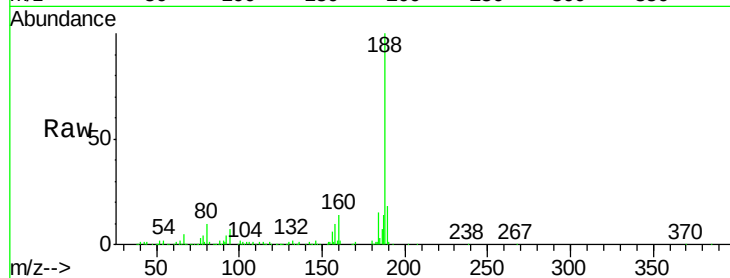




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.48 min Scan# 2492  
Delta R.T. -0.01 min  
Lab File: BG024182.D  
Acq: 1 Oct 2016 5:45

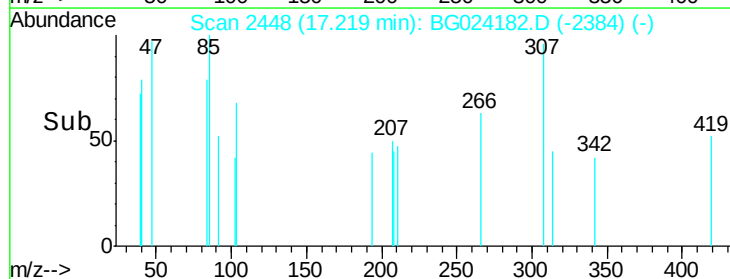
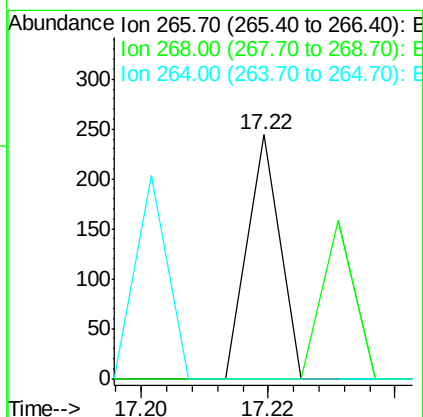
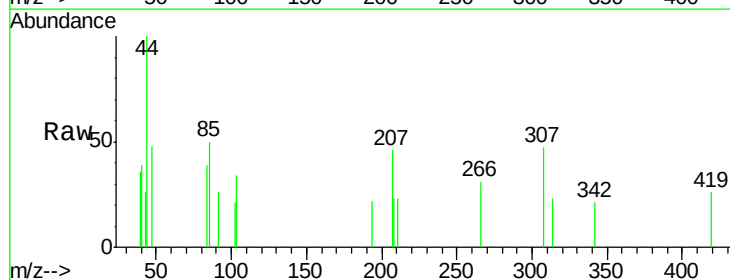
Instrument :  
BNA\_G  
ClientSampleId :  
WC-AREA-ABI54-09272016

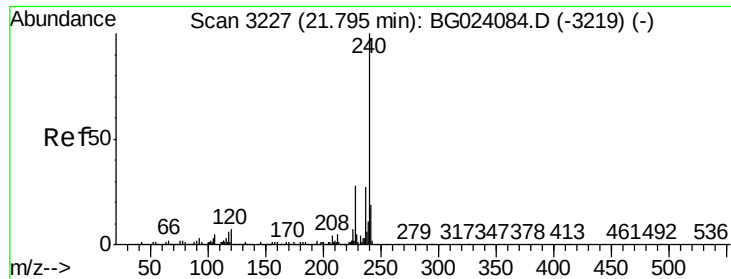
Tgt Ion:188 Resp: 297141  
Ion Ratio Lower Upper  
188 100  
94 6.7 5.2 7.8  
80 10.2 7.2 10.8



#69  
Pentachlorophenol  
Concen: 3.60 ng  
RT: 17.22 min Scan# 2448  
Delta R.T. 0.08 min  
Lab File: BG024182.D  
Acq: 1 Oct 2016 5:45

Tgt Ion:266 Resp: 86  
Ion Ratio Lower Upper  
266 100  
268 0.0 51.9 77.9#  
264 0.0 50.6 75.8#

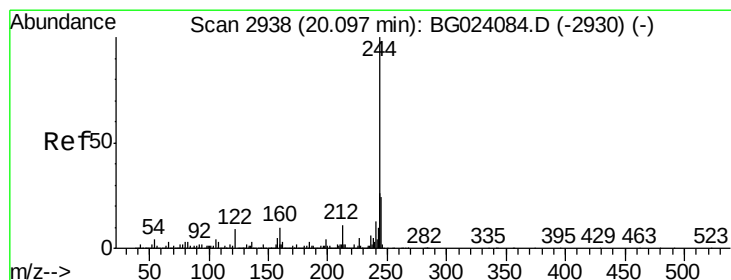
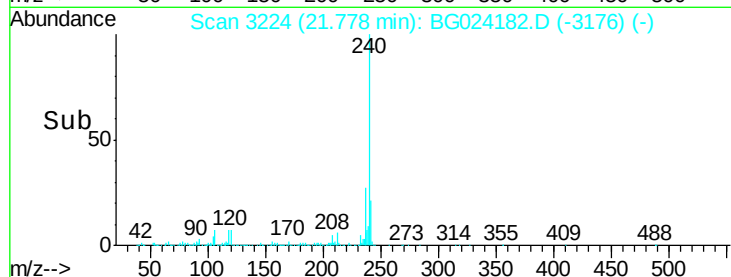
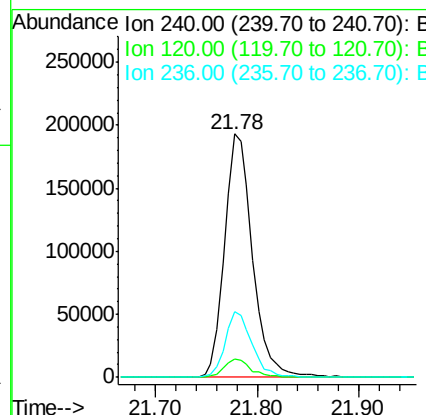
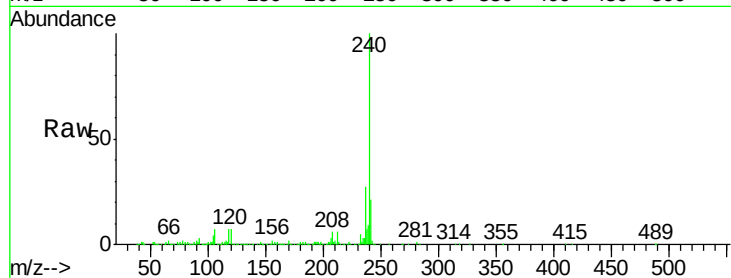




#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 21.78 min Scan# 3224  
 Delta R.T. -0.02 min  
 Lab File: BG024182.D  
 Acq: 1 Oct 2016 5:45

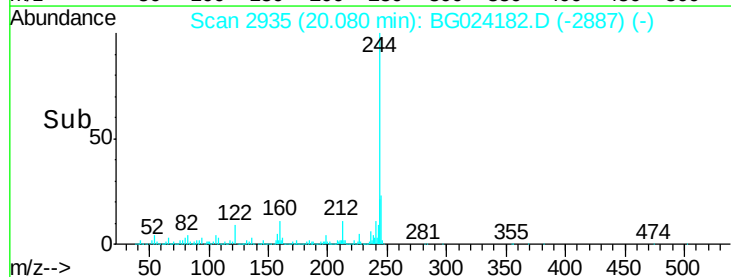
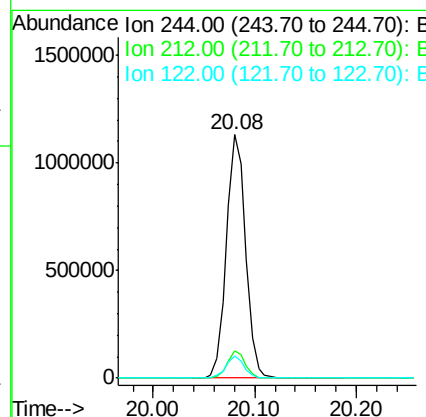
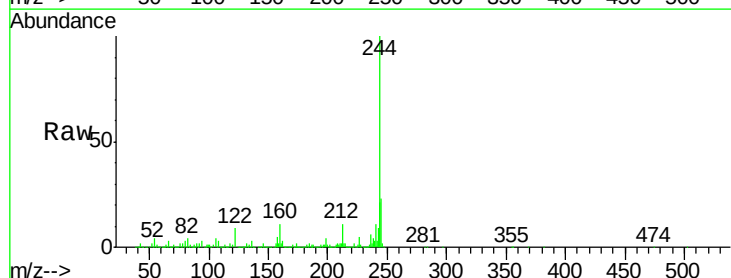
Instrument :  
 BNA\_G  
 ClientSampleId :  
 WC-AREA-ABI54-09272016

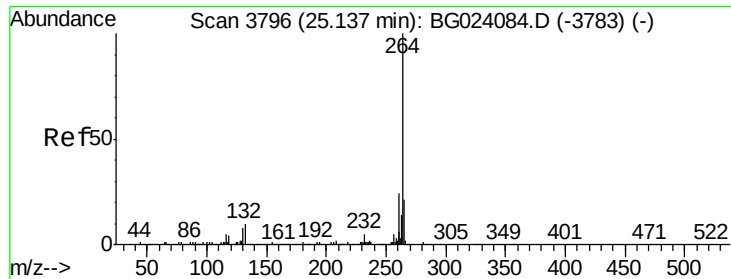
Tgt Ion:240 Resp: 368864  
 Ion Ratio Lower Upper  
 240 100  
 120 7.3 4.1 6.1#  
 236 27.1 21.1 31.7



#78  
 Terphenyl-d14  
 Concen: 82.24 ng  
 RT: 20.08 min Scan# 2935  
 Delta R.T. -0.02 min  
 Lab File: BG024182.D  
 Acq: 1 Oct 2016 5:45

Tgt Ion:244 Resp: 1481494  
 Ion Ratio Lower Upper  
 244 100  
 212 11.1 10.8 16.2  
 122 8.9 8.0 12.0





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 25.11 min Scan# 3791  
Delta R.T. -0.03 min  
Lab File: BG024182.D  
Acq: 1 Oct 2016 5:45

Instrument :  
BNA\_G  
ClientSampleId :  
WC-AREA-ABI54-09272016

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.4  | 18.4  | 27.6  |
| 265     | 21.6  | 18.9  | 28.3  |

