

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032918\  
 Data File : BG033427.D  
 Acq On : 29 Mar 2018 19:35  
 Operator : SJ/JU  
 Sample : J1754-18  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Mar 30 07:39:56 2018  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Mar 28 18:34:58 2018  
 Response via : Initial Calibration

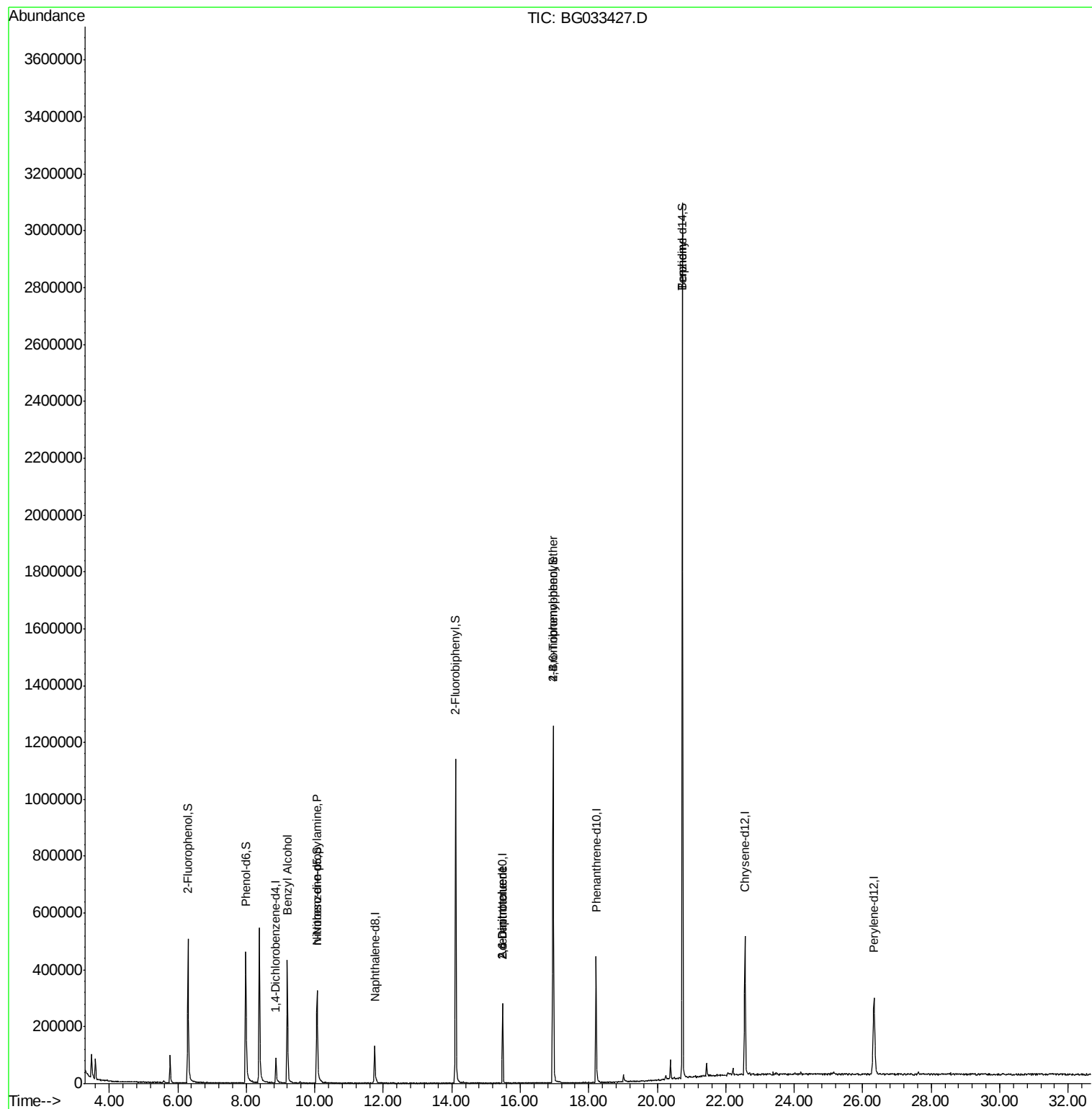
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.86  | 152  | 31841    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 11.75 | 136  | 129666   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 15.48 | 164  | 100970   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 18.21 | 188  | 321633   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 22.56 | 240  | 351794   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 26.33 | 264  | 377091   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 6.30  | 112  | 244073   | 143.73 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.98  | 99   | 342490   | 117.39 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 10.06 | 82   | 263951   | 93.52  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 16.96 | 330  | 259617   | 171.92 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 14.11 | 172  | 666342   | 95.27  | ng    | 0.00     |
| 78) Terphenyl-d14              | 20.73 | 244  | 1573751  | 95.67  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 9.20  | 79   | 4794     | 2.087  | ng    | # 41     |
| 19) n-Nitroso-di-n-propylamine | 10.07 | 70   | 37055    | 17.332 | ng    | # 76     |
| 50) 2,6-Dinitrotoluene         | 15.48 | 165  | 12604    | 7.015  | ng    | # 18     |
| 56) 2,4-Dinitrotoluene         | 15.48 | 165  | 12604    | 4.764  | ng    | # 16     |
| 66) 4-Bromophenyl-phenylether  | 16.95 | 248  | 19661    | 5.205  | ng    | # 1      |
| 76) Benzidine                  | 20.73 | 184  | 25883    | 2.713  | ng    | # 91     |

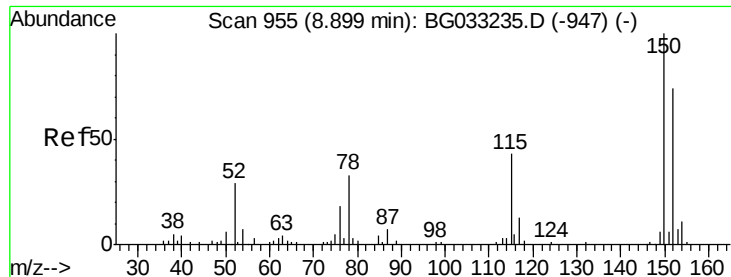
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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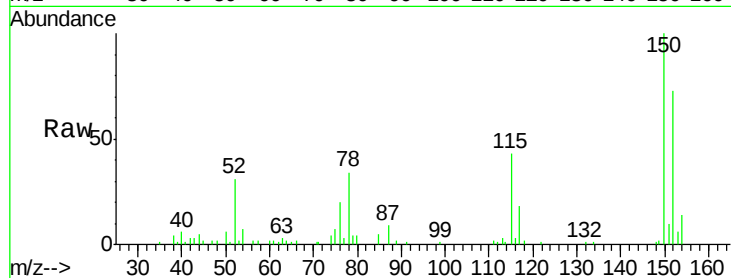


#1

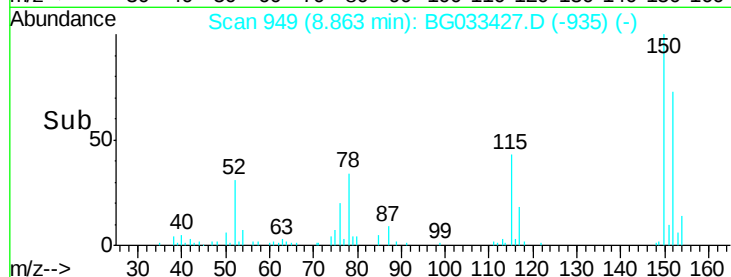
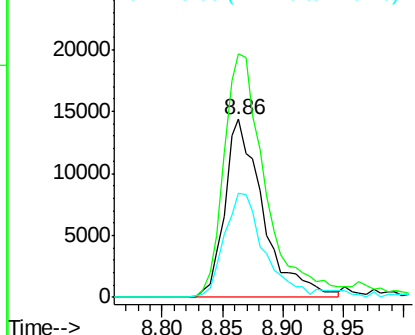
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.86 min Scan# 949  
Delta R.T. -0.02 min  
Lab File: BG033427.D  
Acq: 29 Mar 2018 19:35

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 31841  
Ion Ratio Lower Upper  
152 100  
150 136.7 126.6 189.8  
115 58.3 53.0 79.4



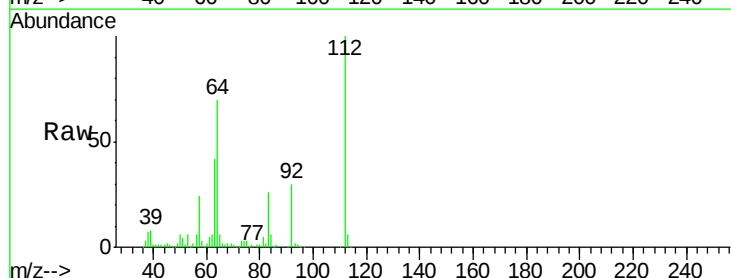
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



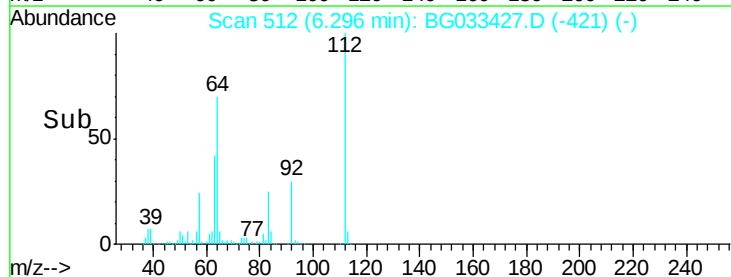
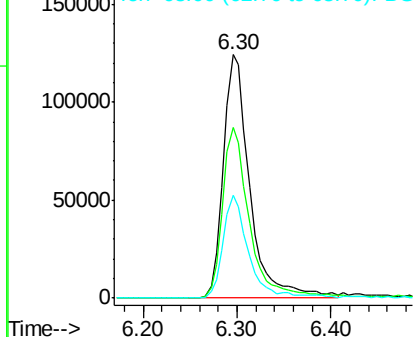
#5

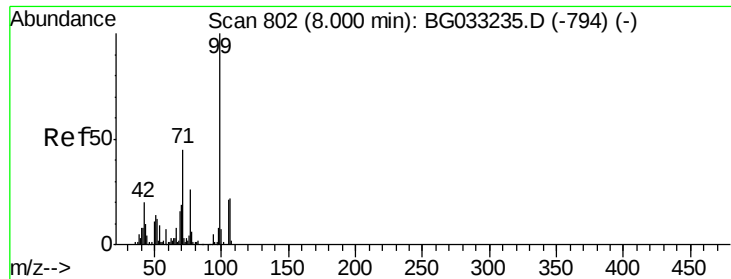
2-Fluorophenol  
Concen: 143.735 ng  
RT: 6.30 min Scan# 512  
Delta R.T. 0.00 min  
Lab File: BG033427.D  
Acq: 29 Mar 2018 19:35

Tgt Ion:112 Resp: 244073  
Ion Ratio Lower Upper  
112 100  
64 70.1 56.3 84.5  
63 42.2 30.1 45.1



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: 117.386 ng

RT: 7.98 min Scan# 799

Delta R.T. 0.00 min

Lab File: BG033427.D

Acq: 29 Mar 2018 19:35

Instrument :

BNA\_G

ClientSampleId :

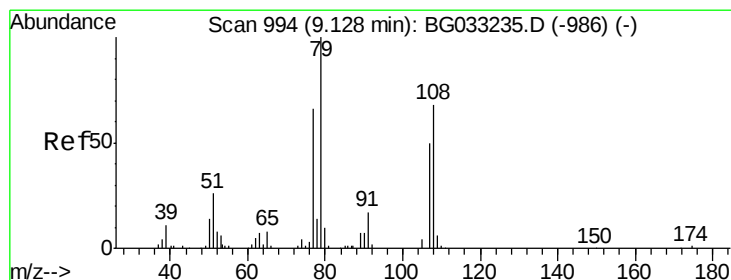
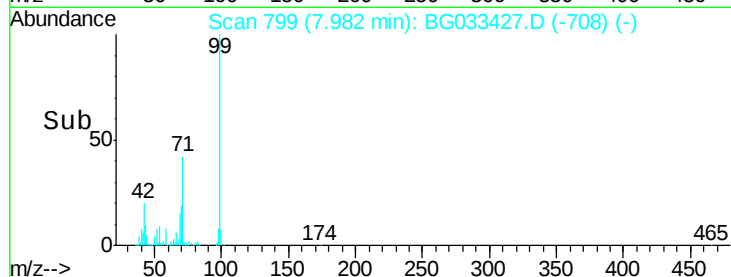
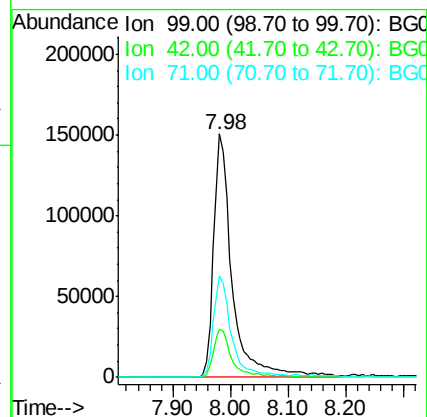
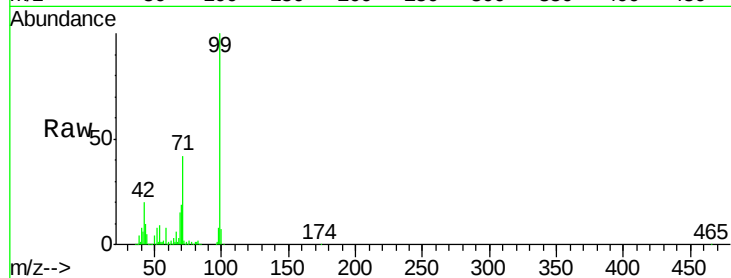
Tot Ion: 99 Resp: 342490

Ion Ratio Lower Upper

99 100

42 19.8 14.1 21.1

71 41.8 26.1 39.1#



#15

Benzyl Alcohol

Concen: 2.087 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.09 min

Lab File: BG033427.D

Acq: 29 Mar 2018 19:35

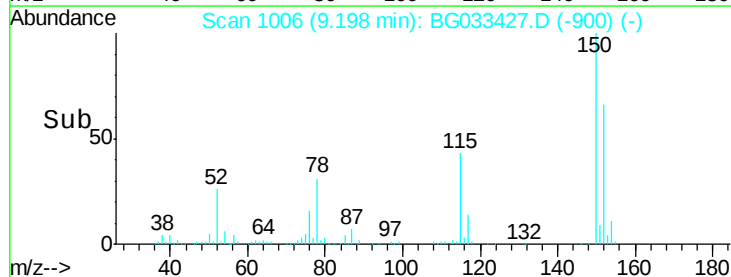
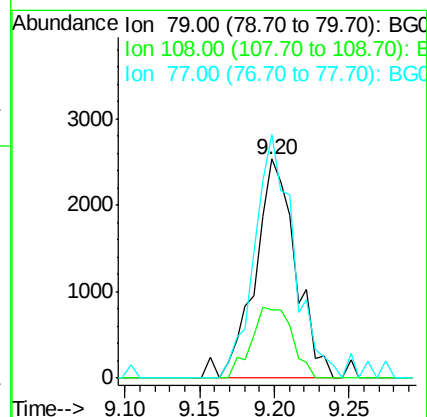
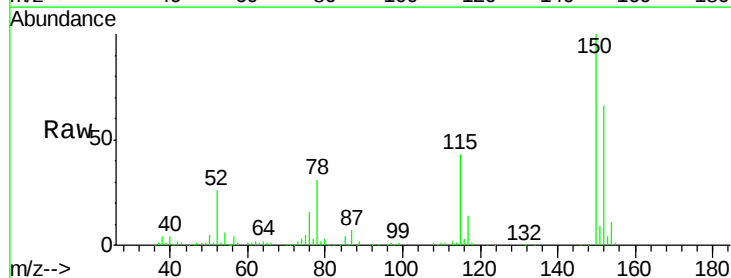
Tgt Ion: 79 Resp: 4794

Ion Ratio Lower Upper

79 100

108 31.5 57.2 85.8#

77 111.3 46.1 69.1#

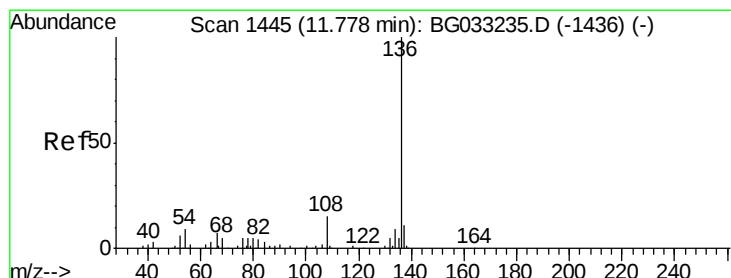
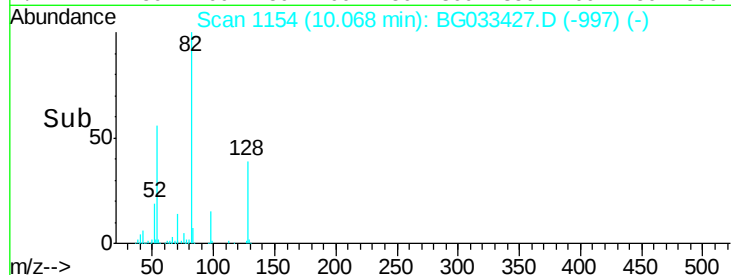
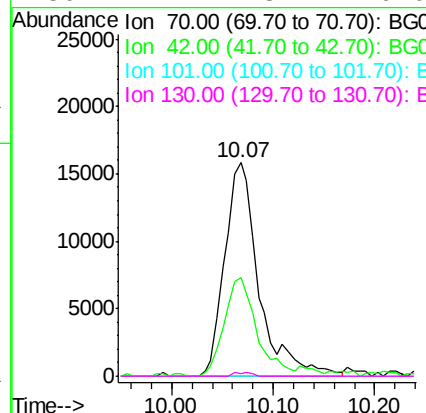
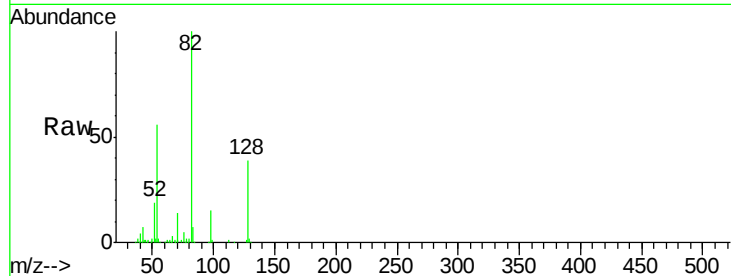




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.332 ng  
RT: 10.07 min Scan# 1154  
Delta R.T. 0.39 min  
Lab File: BG033427.D  
Acq: 29 Mar 2018 19:35

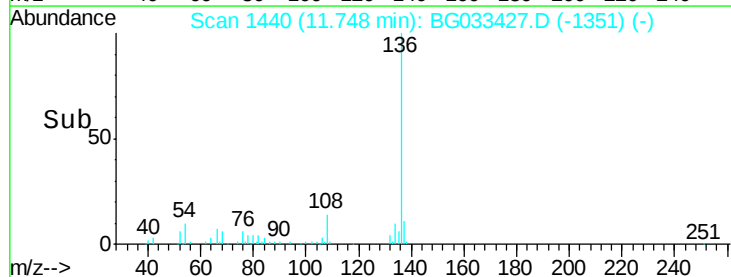
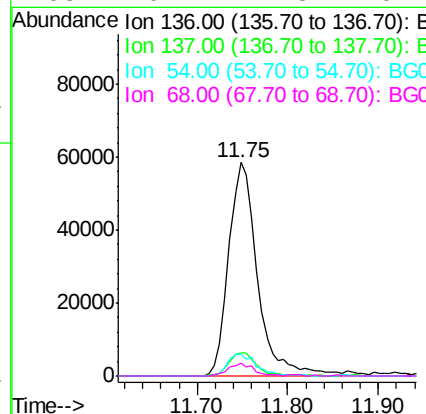
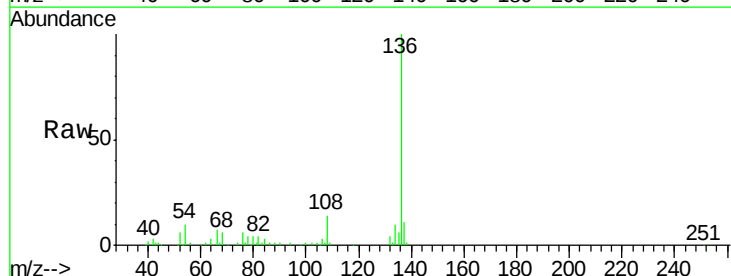
Instrument :  
BNA\_G  
ClientSampled :

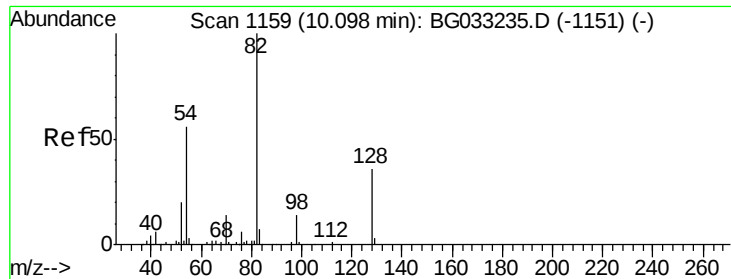
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 46.1  | 49.1  | 73.7# |
| 101     | 0.0   | 8.5   | 12.7# |
| 130     | 1.2   | 13.4  | 20.0# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.75 min Scan# 1440  
Delta R.T. -0.01 min  
Lab File: BG033427.D  
Acq: 29 Mar 2018 19:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.1  | 9.2   | 13.8  |
| 54      | 9.9   | 10.3  | 15.5# |
| 68      | 6.1   | 4.5   | 6.7   |

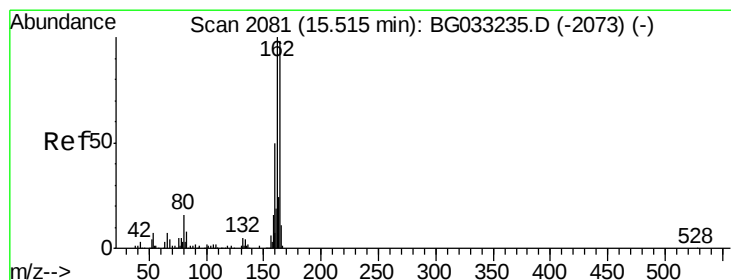
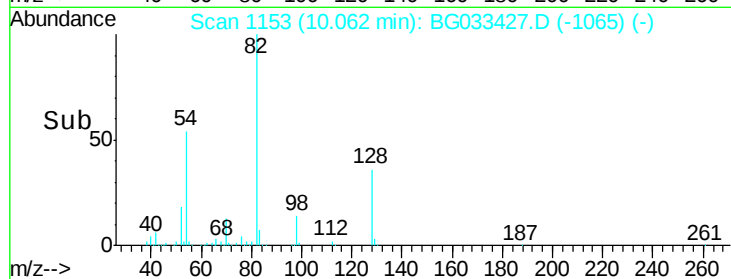
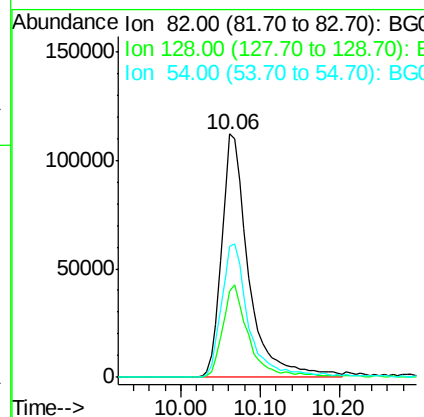
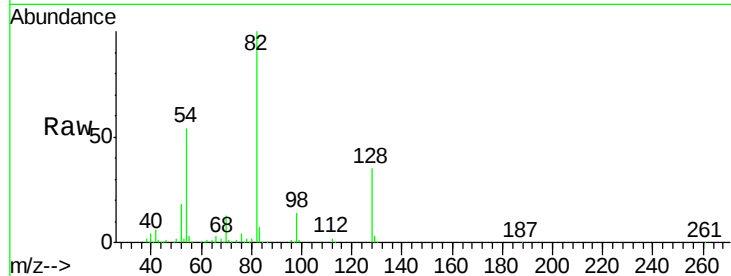




#23  
 Nitrobenzene-d5  
 Concen: 93.525 ng  
 RT: 10.06 min Scan# 1153  
 Delta R.T. -0.02 min  
 Lab File: BG033427.D  
 Acq: 29 Mar 2018 19:35

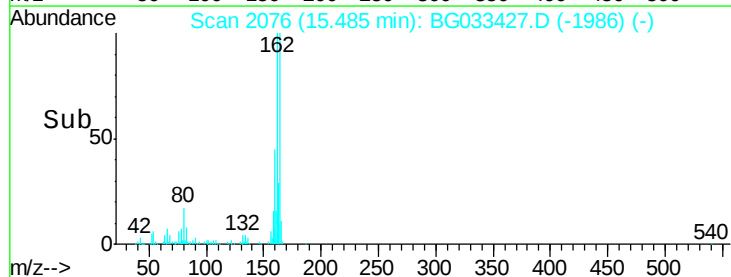
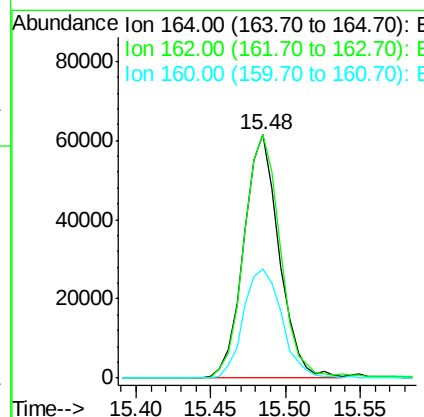
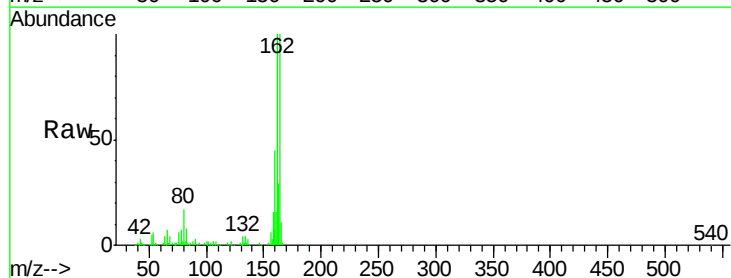
Instrument :  
 BNA\_G  
 ClientSampleId :

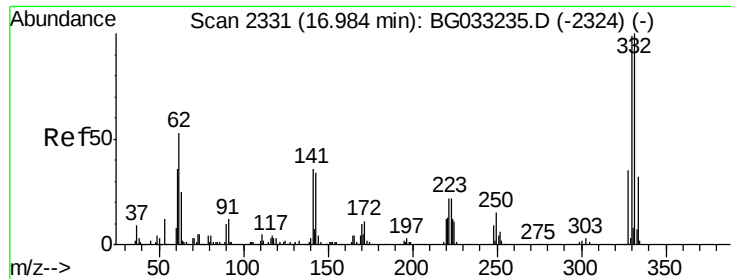
| Tot Ion   | 82    | Resp  | 263951 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 35.5  | 29.7  | 44.5   |
| 54        | 53.9  | 43.1  | 64.7   |



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 15.48 min Scan# 2076  
 Delta R.T. -0.00 min  
 Lab File: BG033427.D  
 Acq: 29 Mar 2018 19:35

| Tgt Ion   | 164   | Resp  | 100970 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 99.9  | 78.8  | 118.2  |
| 160       | 45.1  | 35.4  | 53.0   |

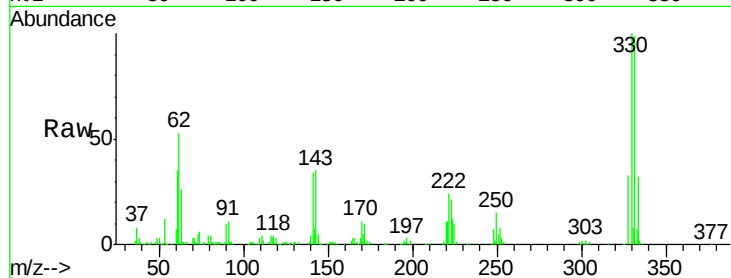




#41  
 2,4,6-Tribromophenol  
 Concen: 171.918 ng  
 RT: 16.96 min Scan# 2327  
 Delta R.T. 0.00 min  
 Lab File: BG033427.D  
 Acq: 29 Mar 2018 19:35

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.7  | 77.0  | 115.6 |
| 141     | 34.7  | 25.2  | 37.8  |

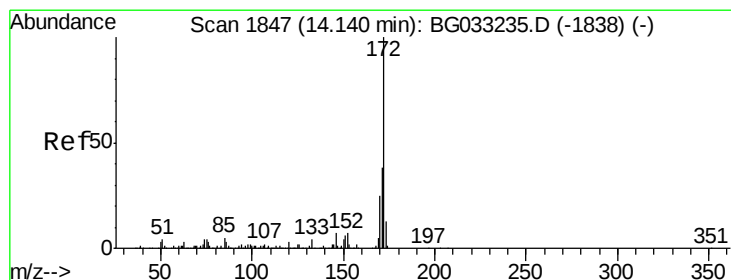
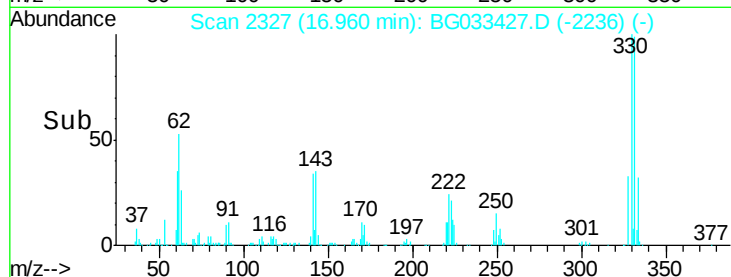
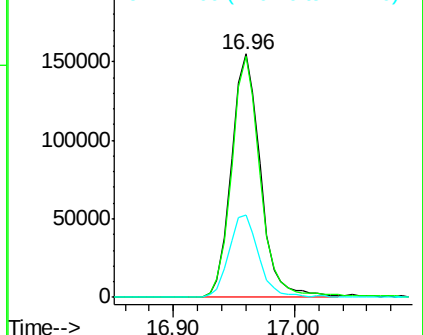


Abundance

Ion 329.80 (329.50 to 330.50): E

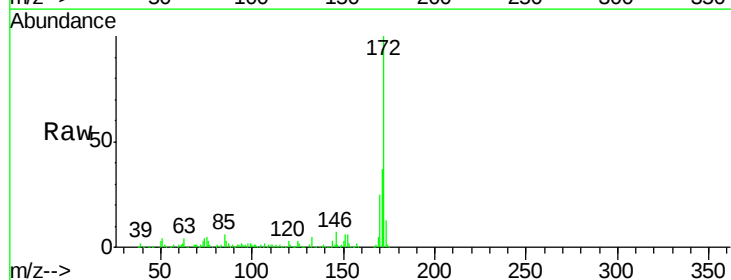
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 95.271 ng  
 RT: 14.11 min Scan# 1842  
 Delta R.T. -0.00 min  
 Lab File: BG033427.D  
 Acq: 29 Mar 2018 19:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.7  | 30.0  | 45.0  |
| 170     | 24.8  | 19.5  | 29.3  |

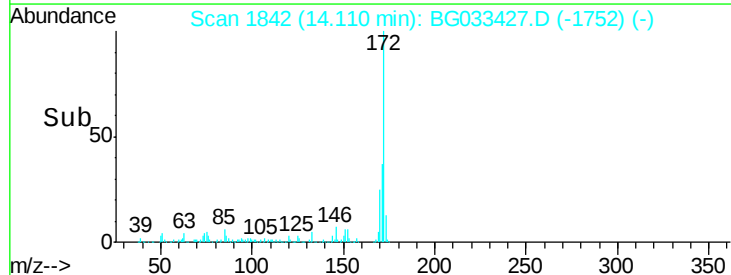
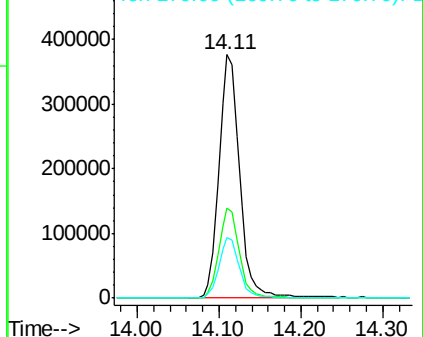


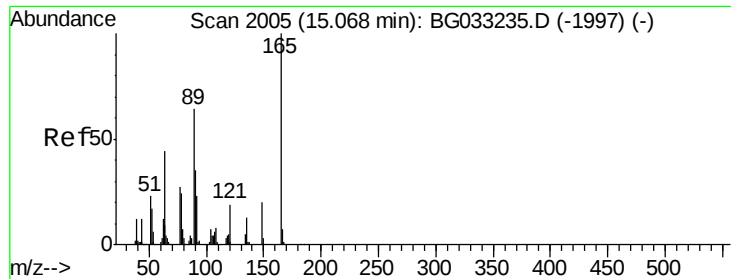
Abundance

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

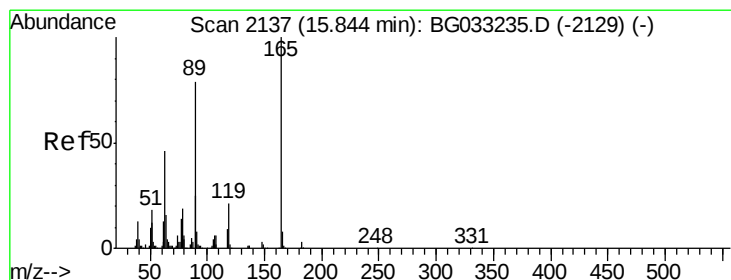
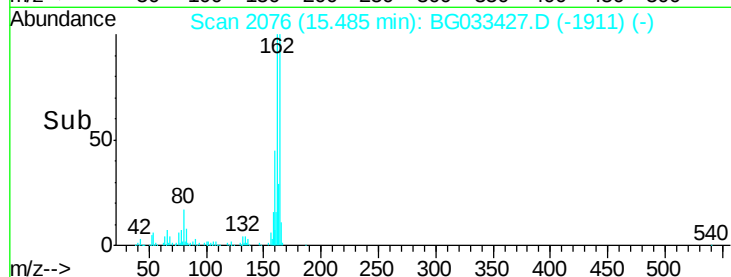
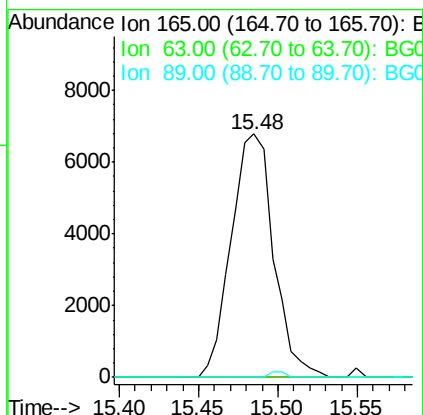
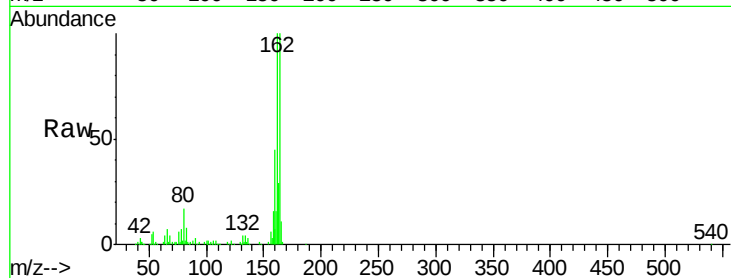




#50  
2,6-Dinitrotoluene  
Concen: 7.015 ng  
RT: 15.48 min Scan# 2076  
Delta R.T. 0.44 min  
Lab File: BG033427.D  
Acq: 29 Mar 2018 19:35

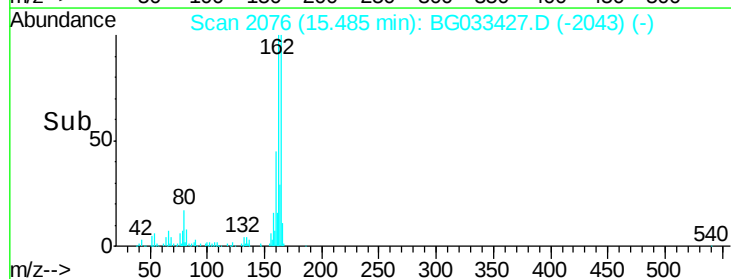
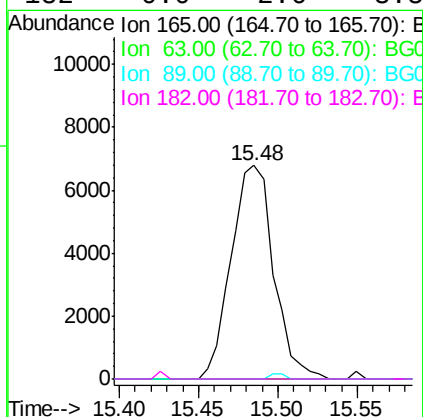
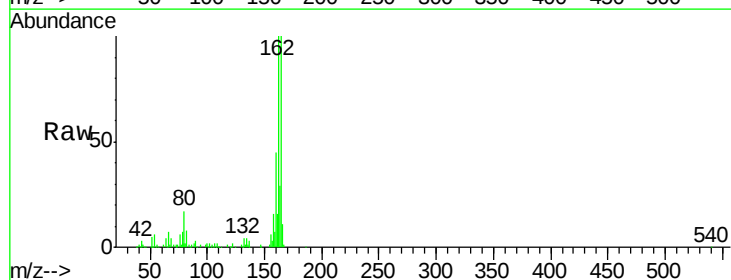
Instrument :  
BNA\_G  
ClientSampleId :

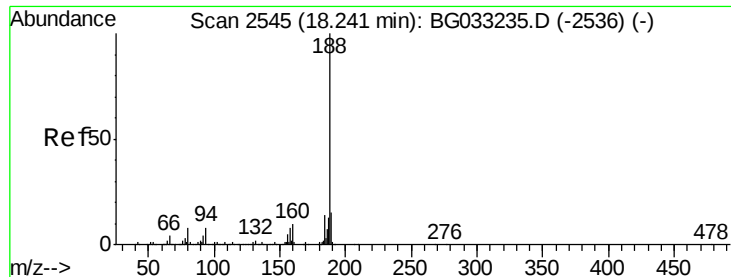
Tot Ion:165 Resp: 12604  
Ion Ratio Lower Upper  
165 100  
63 0.0 52.7 79.1#  
89 0.0 49.2 73.8#



#56  
2,4-Dinitrotoluene  
Concen: 4.764 ng  
RT: 15.48 min Scan# 2076  
Delta R.T. -0.34 min  
Lab File: BG033427.D  
Acq: 29 Mar 2018 19:35

Tgt Ion:165 Resp: 12604  
Ion Ratio Lower Upper  
165 100  
63 0.0 42.0 63.0#  
89 0.0 66.9 100.3#  
182 0.0 2.6 3.8#

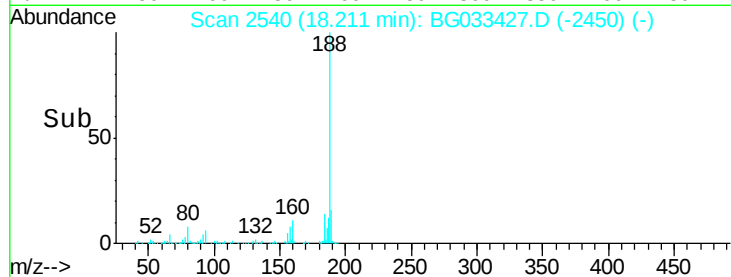
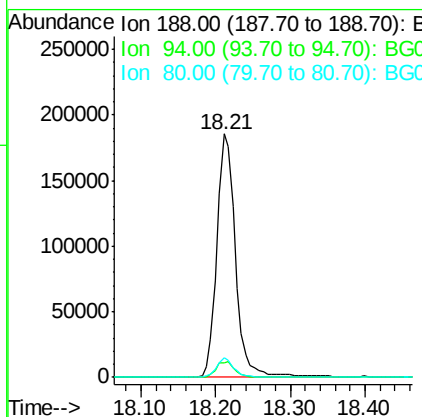
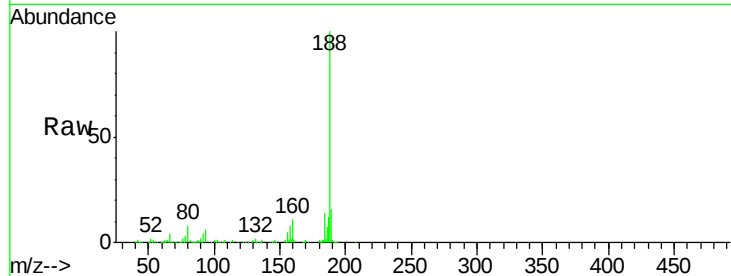




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 18.21 min Scan# 2540  
Delta R.T. -0.00 min  
Lab File: BG033427.D  
Acq: 29 Mar 2018 19:35

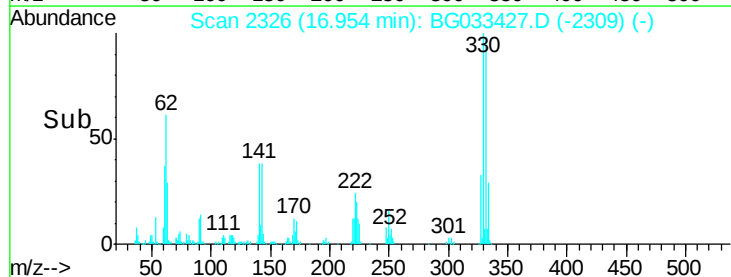
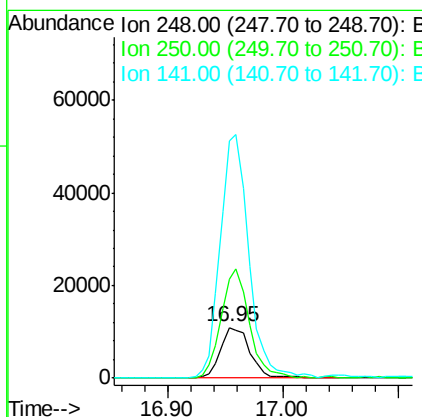
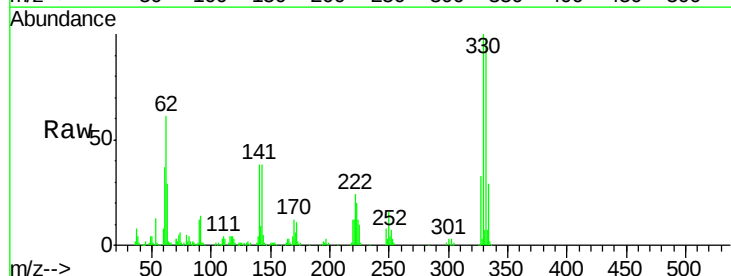
Instrument :  
BNA\_G  
ClientSampled :

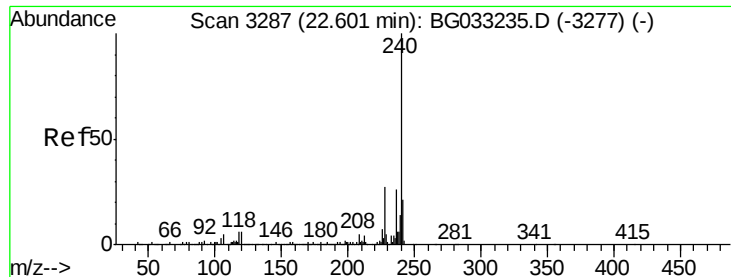
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 5.9   | 6.9   | 10.3# |
| 80      | 7.9   | 7.7   | 11.5  |



#66  
4-Bromophenyl-phenylether  
Concen: 5.205 ng  
RT: 16.95 min Scan# 2326  
Delta R.T. -0.43 min  
Lab File: BG033427.D  
Acq: 29 Mar 2018 19:35

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 197.0 | 77.1  | 115.7# |
| 141     | 470.3 | 50.8  | 76.2#  |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.56 min Scan# 3280

Delta R.T. -0.00 min

Lab File: BG033427.D

Acq: 29 Mar 2018 19:35

Instrument :

BNA\_G

ClientSampleId :

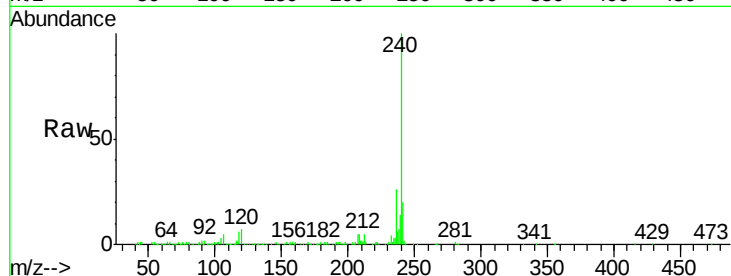
Tot Ion:240 Resp: 351794

Ion Ratio Lower Upper

240 100

120 6.9 6.8 10.2

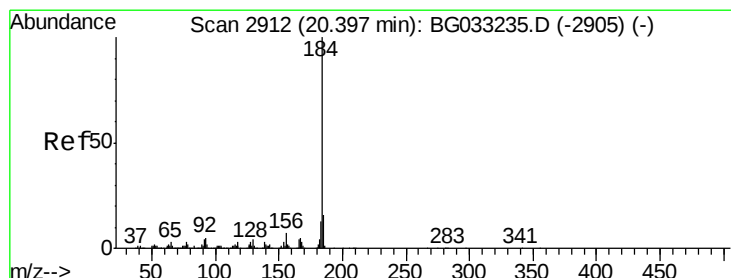
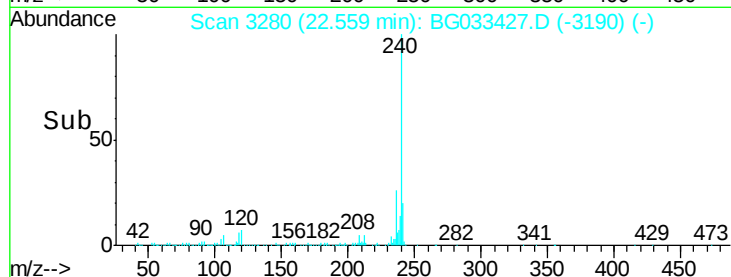
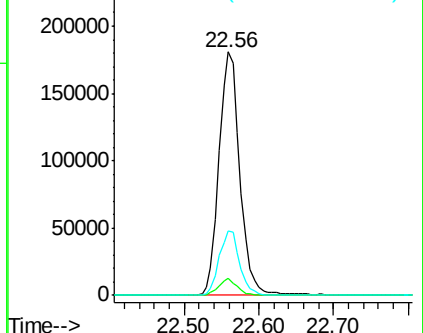
236 26.2 20.9 31.3



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



#76

Benzidine

Concen: 2.713 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.36 min

Lab File: BG033427.D

Acq: 29 Mar 2018 19:35

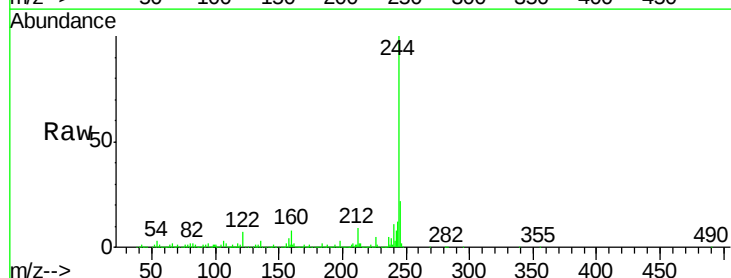
Tgt Ion:184 Resp: 25883

Ion Ratio Lower Upper

184 100

185 17.8 11.1 16.7#

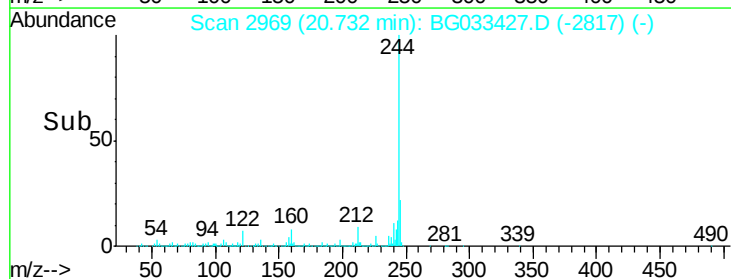
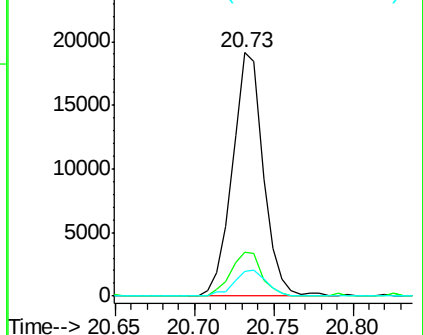
183 10.1 10.6 16.0#

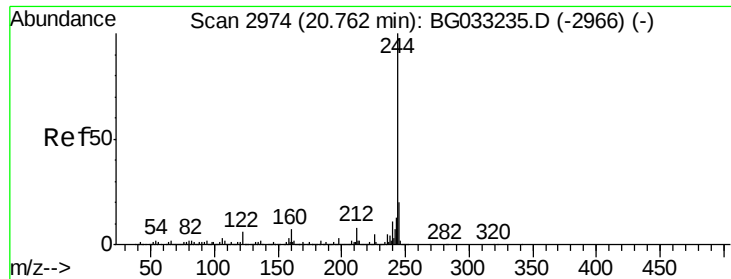


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 95.671 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.00 min

Lab File: BG033427.D

Acq: 29 Mar 2018 19:35

Instrument :

BNA\_G

ClientSampled :

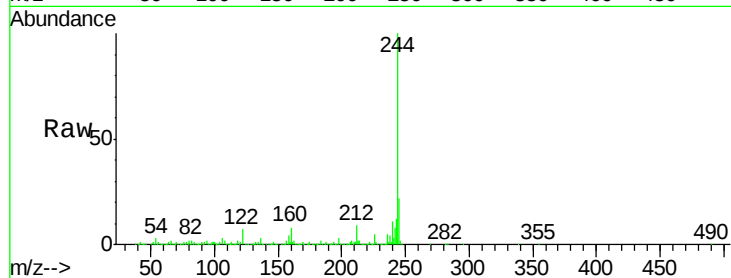
Tot Ion:244 Resp: 1573751

Ion Ratio Lower Upper

244 100

212 8.7 5.8 8.8

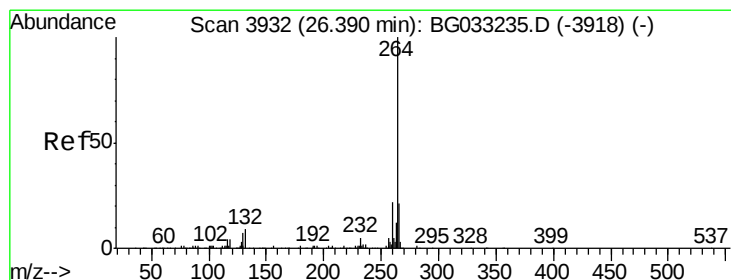
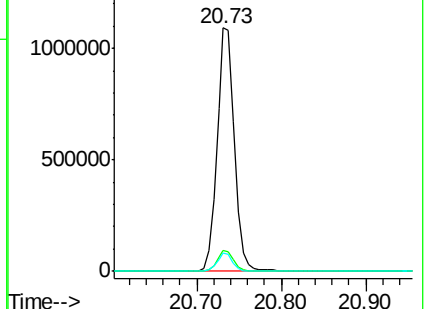
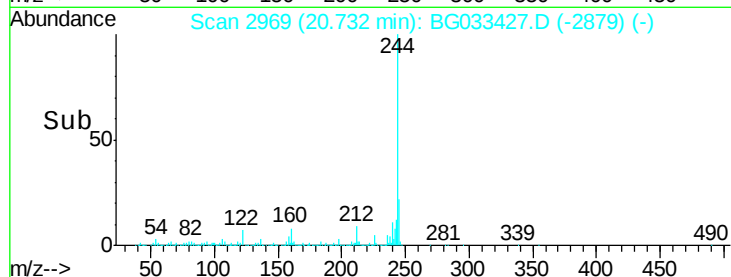
122 7.4 7.0 10.4



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: 26.33 min Scan# 3921

Delta R.T. -0.01 min

Lab File: BG033427.D

Acq: 29 Mar 2018 19:35

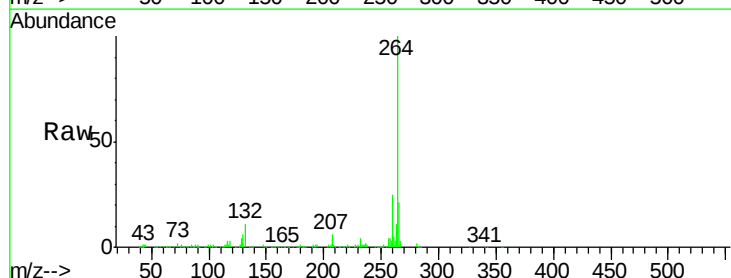
Tgt Ion:264 Resp: 377091

Ion Ratio Lower Upper

264 100

260 24.6 17.4 26.0

265 20.6 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

