

Data Path : Z:\HPCHEM1\BNA G\DATA\BG060718\  
 Data File : BG034975.D  
 Acq On : 8 Jun 2018 6:31  
 Operator : SJ/JU  
 Sample : PB110005BL  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Jun 08 07:56:00 2018  
 Quant Method : Z:\HPCHEM1\BNA G\Methods\8270-BG060718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 07 13:13:20 2018  
 Response via : Initial Calibration

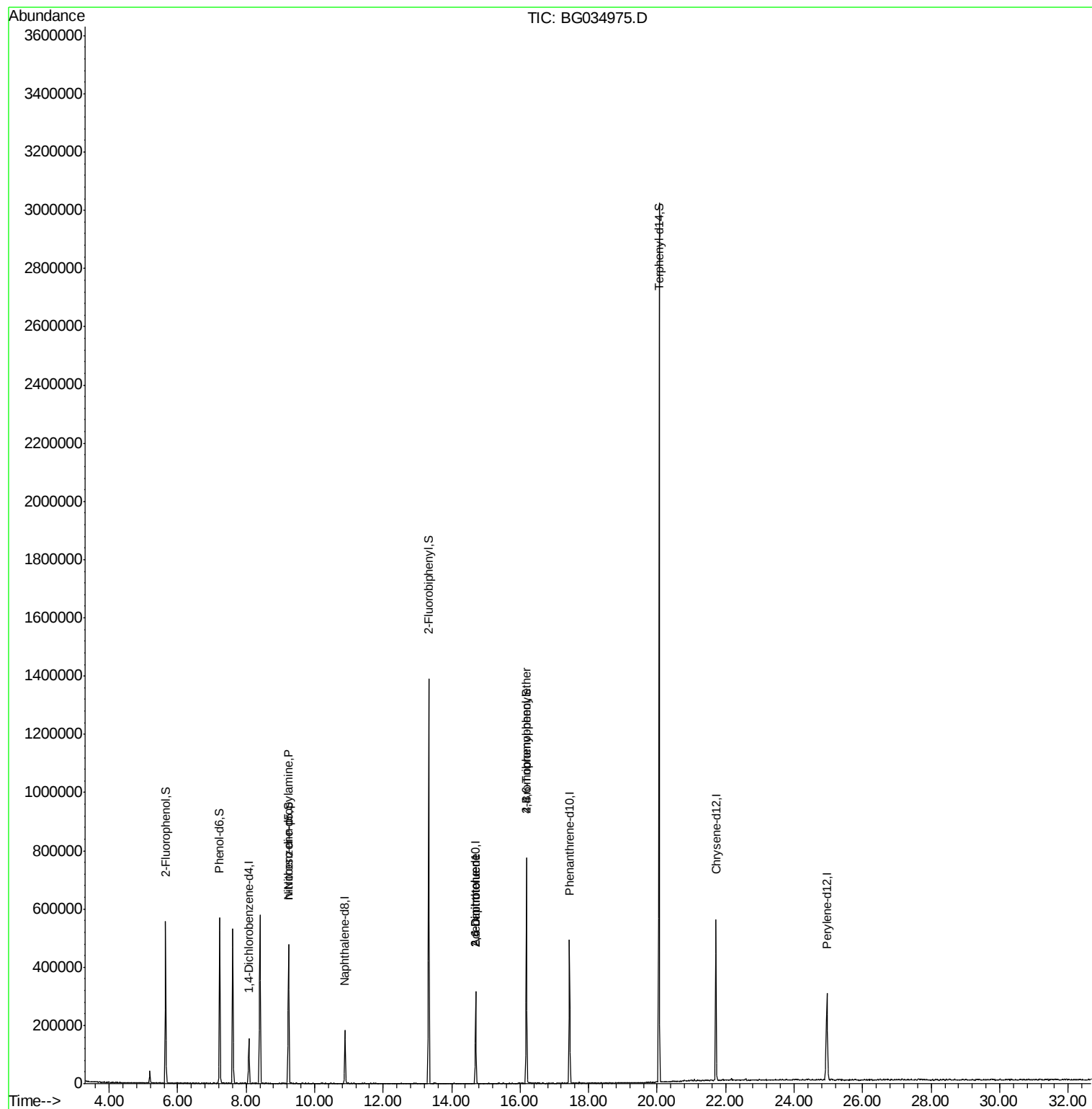
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.08  | 152  | 41048    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.88 | 136  | 146769   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 14.70 | 164  | 109521   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 17.44 | 188  | 301552   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 21.71 | 240  | 334246   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 24.95 | 264  | 321812   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.64  | 112  | 220080   | 90.48  | ng    | 0.00     |
| 7) Phenol-d6                   | 7.23  | 99   | 325179   | 90.58  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.23  | 82   | 310213   | 100.47 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol       | 16.18 | 330  | 140006   | 99.86  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 13.33 | 172  | 722195   | 85.72  | ng    | 0.00     |
| 78) Terphenyl-d14              | 20.05 | 244  | 1401173  | 87.81  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.23  | 70   | 42841    | 14.05  | ng    | # 69     |
| 50) 2,6-Dinitrotoluene         | 14.70 | 165  | 16152    | 9.27   | ng    | # 19     |
| 56) 2,4-Dinitrotoluene         | 14.70 | 165  | 16152    | 6.98   | ng    | # 17     |
| 66) 4-Bromophenyl-phenylether  | 16.18 | 248  | 11751    | 3.24   | ng    | # 1      |

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

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ALS Vial : 22 Sample Multiplier: 1

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.08 min Scan# 815

Delta R.T. -0.01 min

Lab File: BG034975.D

Acq: 8 Jun 2018 6:31

Instrument :

BNA\_G

ClientSampleId :

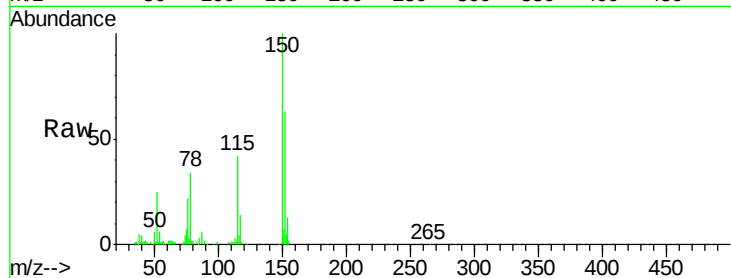
Tot Ion:152 Resp: 41048

Ion Ratio Lower Upper

152 100

150 158.6 126.6 189.8

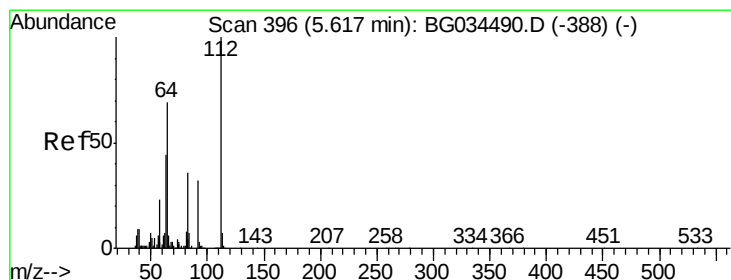
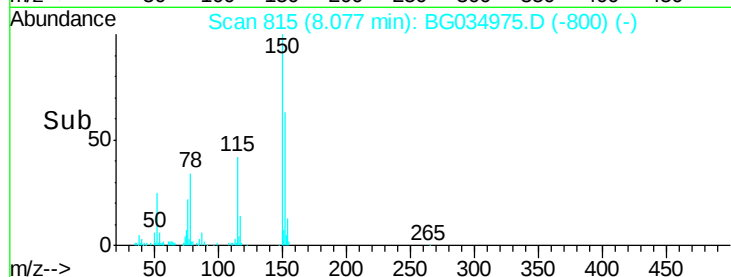
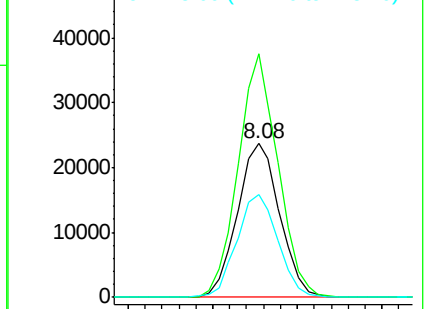
115 66.7 53.0 79.4



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: 90.48 ng

RT: 5.64 min Scan# 401

Delta R.T. -0.00 min

Lab File: BG034975.D

Acq: 8 Jun 2018 6:31

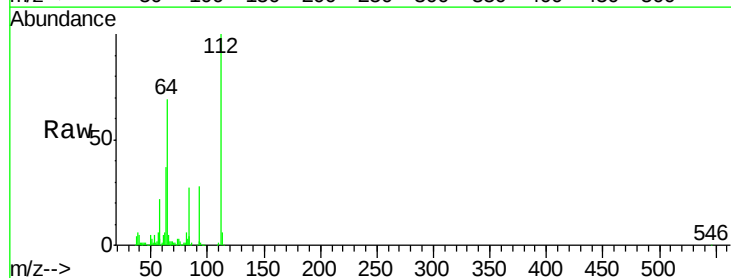
Tgt Ion:112 Resp: 220080

Ion Ratio Lower Upper

112 100

64 69.2 56.3 84.5

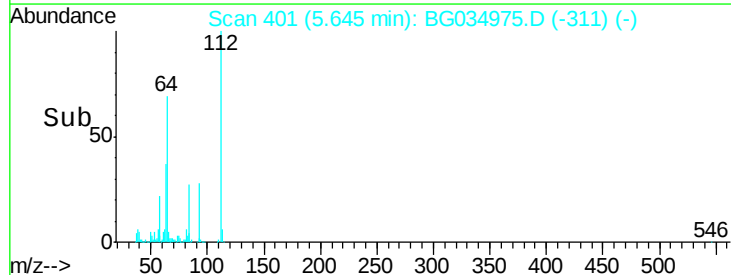
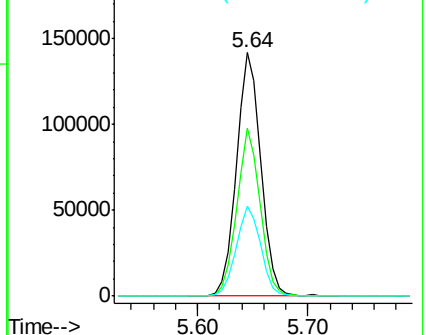
63 37.2 30.1 45.1



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: 90.58 ng

RT: 7.23 min Scan# 670

Delta R.T. -0.01 min

Lab File: BG034975.D

Acq: 8 Jun 2018 6:31

Instrument :

BNA\_G

ClientSampleId :

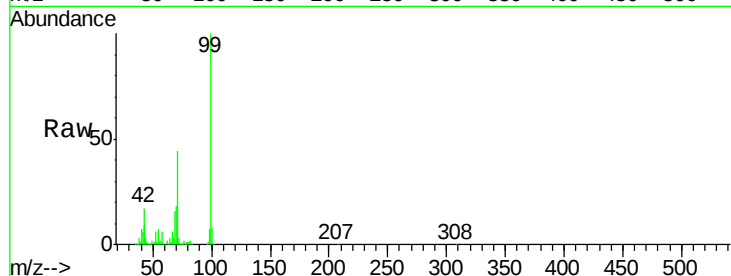
Tot Ion: 99 Resp: 325179

Ion Ratio Lower Upper

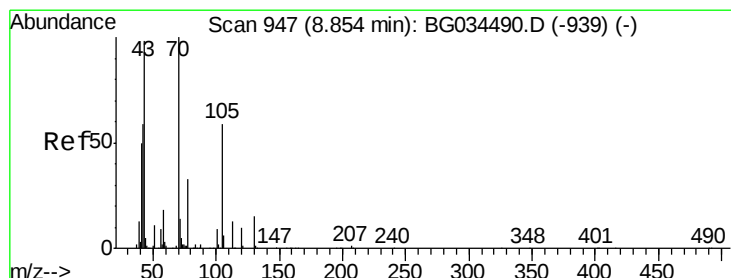
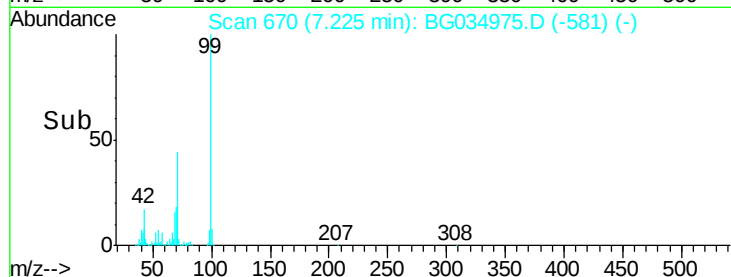
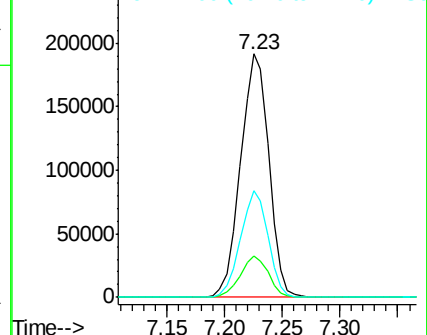
99 100

42 16.8 14.1 21.1

71 43.9 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



#19

n-Nitroso-di-n-propylamine

Concen: 14.05 ng

RT: 9.23 min Scan# 1012

Delta R.T. 0.34 min

Lab File: BG034975.D

Acq: 8 Jun 2018 6:31

Tgt Ion: 70 Resp: 42841

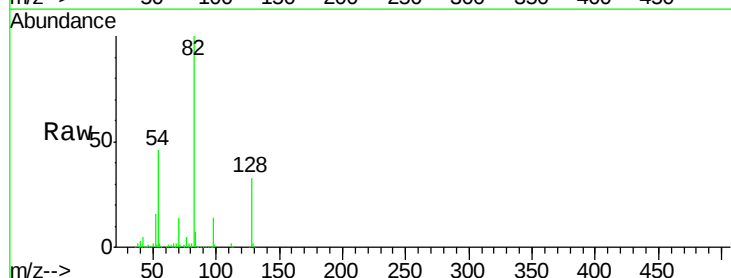
Ion Ratio Lower Upper

70 100

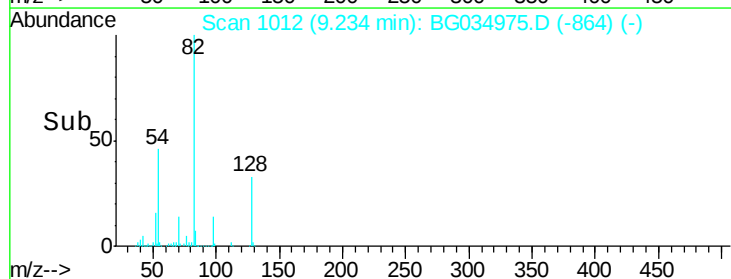
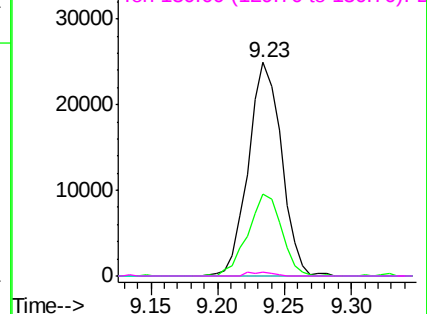
42 38.1 49.1 73.7#

101 0.0 8.5 12.7#

130 1.5 13.4 20.0#



Abundance Ion 70.00 (69.70 to 70.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 101.00 (100.70 to 101.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC

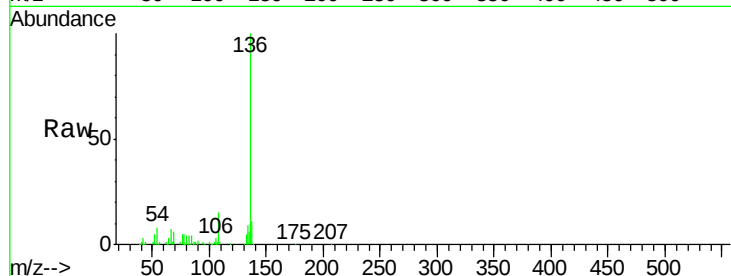




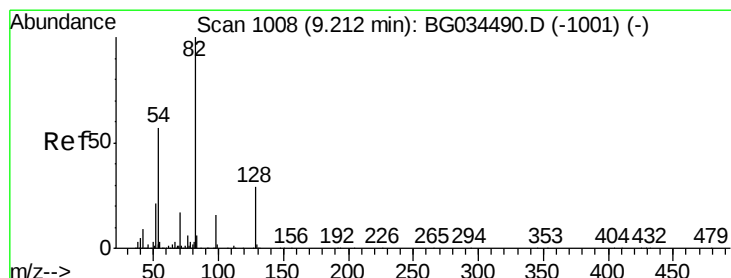
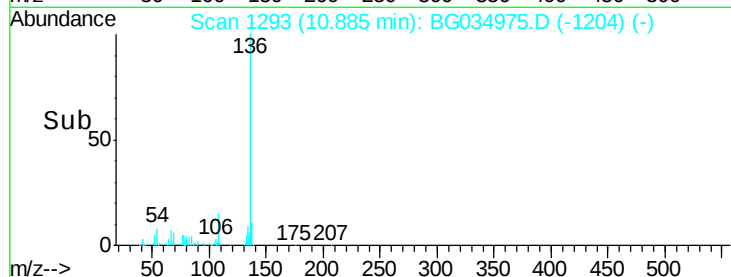
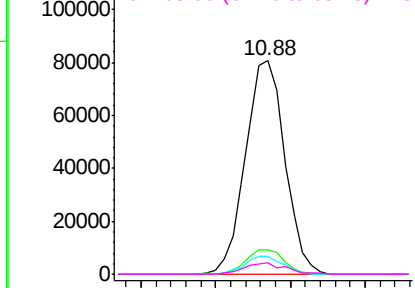
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.88 min Scan# 1293  
Delta R.T. -0.01 min  
Lab File: BG034975.D  
Acq: 8 Jun 2018 6:31

Instrument :  
BNA\_G  
ClientSampleId :

|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 146769 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 11.5    | 9.2   | 13.8   |
| 54 8.2      | 10.3  | 15.5#  |
| 68 5.5      | 4.5   | 6.7    |

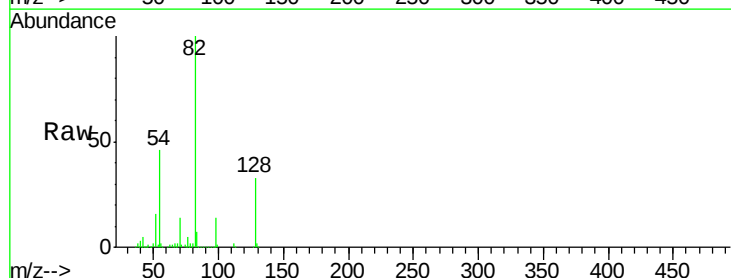


Abundance Ion 136.00 (135.70 to 136.70): B  
Ion 137.00 (136.70 to 137.70): B  
Ion 54.00 (53.70 to 54.70): B  
Ion 68.00 (67.70 to 68.70): B

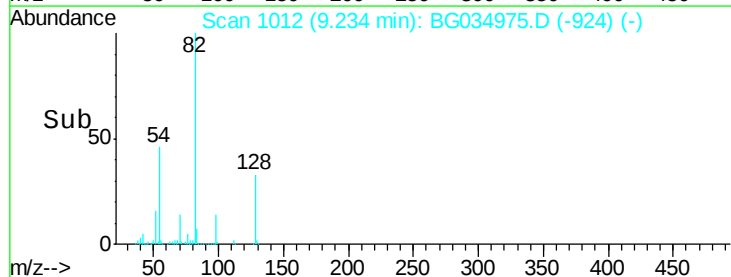
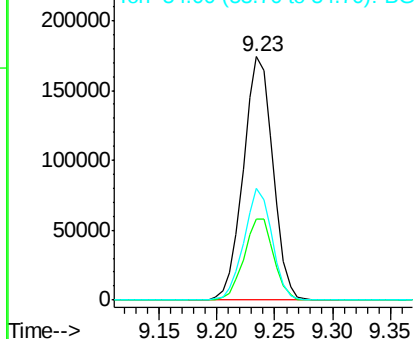


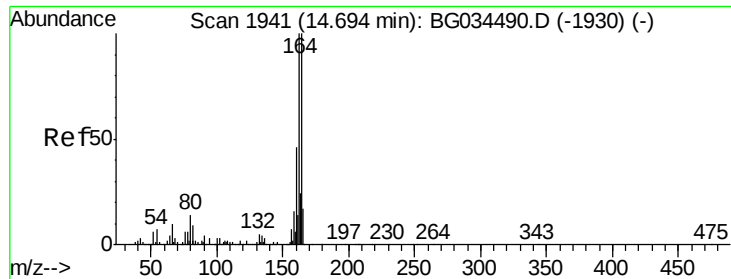
#23  
Nitrobenzene-d5  
Concen: 100.47 ng  
RT: 9.23 min Scan# 1012  
Delta R.T. -0.02 min  
Lab File: BG034975.D  
Acq: 8 Jun 2018 6:31

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 310213 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 33.1    | 29.7 44.5    |
| 54 45.8     | 43.1 64.7    |



Abundance Ion 82.00 (81.70 to 82.70): B  
Ion 128.00 (127.70 to 128.70): B  
Ion 54.00 (53.70 to 54.70): B





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.70 min Scan# 1942

Delta R.T. -0.01 min

Lab File: BG034975.D

Acq: 8 Jun 2018 6:31

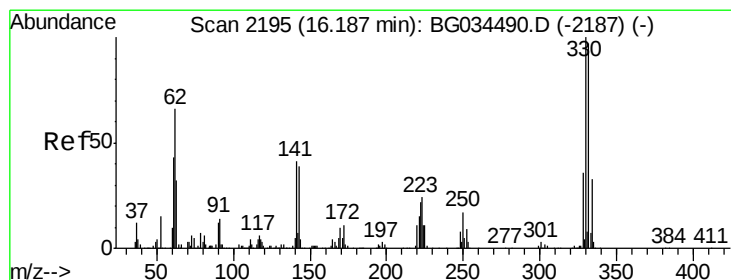
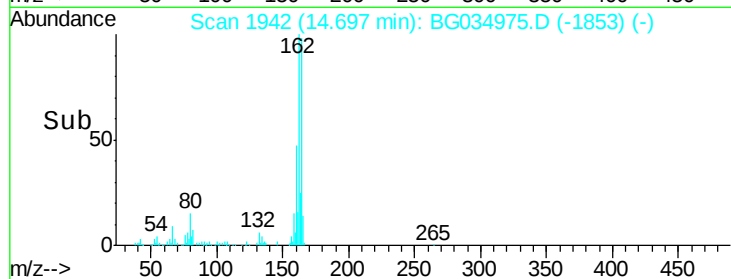
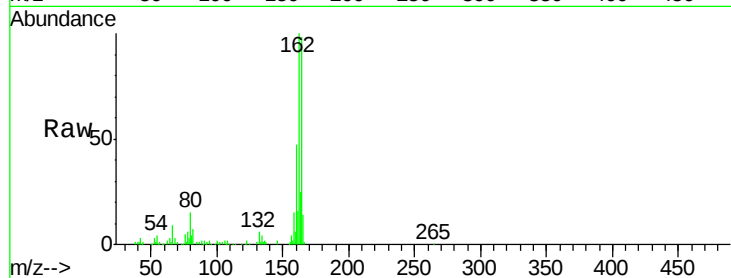
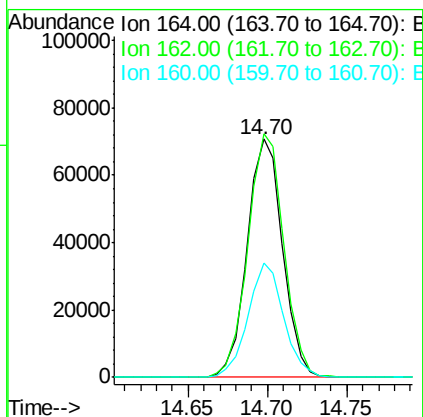
Instrument :

BNA\_G

ClientSampled :

Tot Ion:164 Resp: 109521

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 102.3 | 78.8  | 118.2 |
| 160 | 48.0  | 35.4  | 53.0  |



#41

2,4,6-Tribromophenol

Concen: 99.86 ng

RT: 16.18 min Scan# 2195

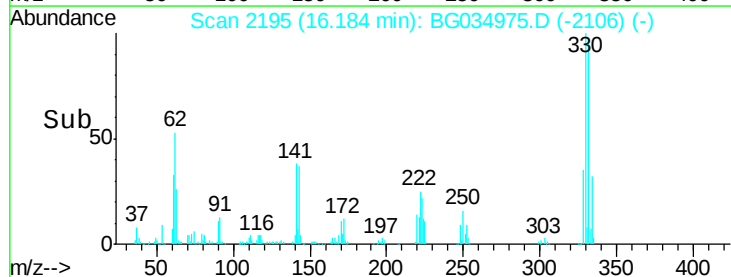
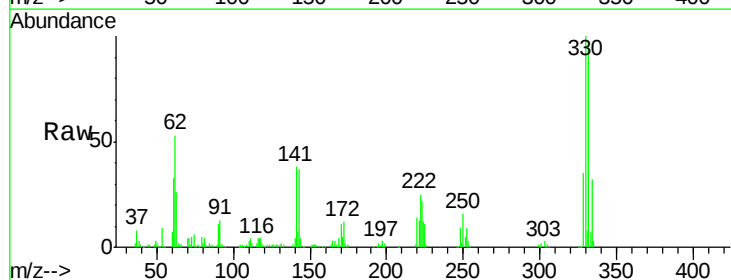
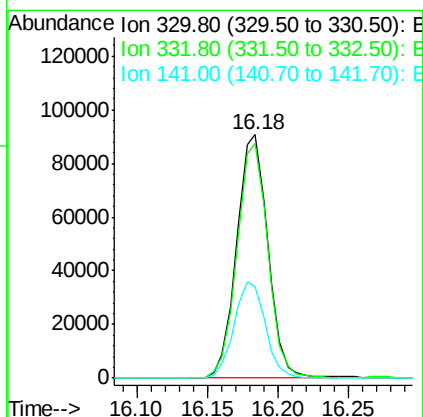
Delta R.T. -0.01 min

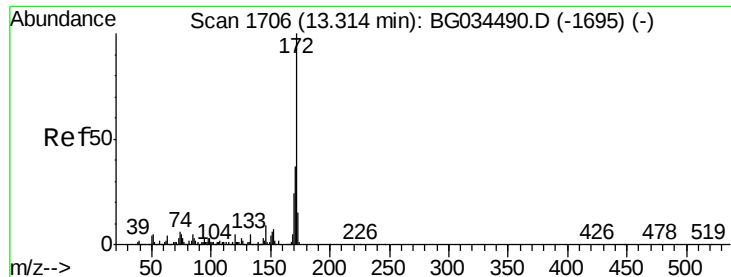
Lab File: BG034975.D

Acq: 8 Jun 2018 6:31

Tgt Ion:330 Resp: 140006

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 95.2  | 77.0  | 115.6 |
| 141 | 39.9  | 25.2  | 37.8  |

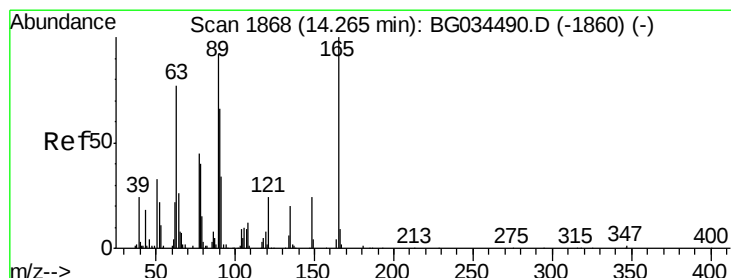
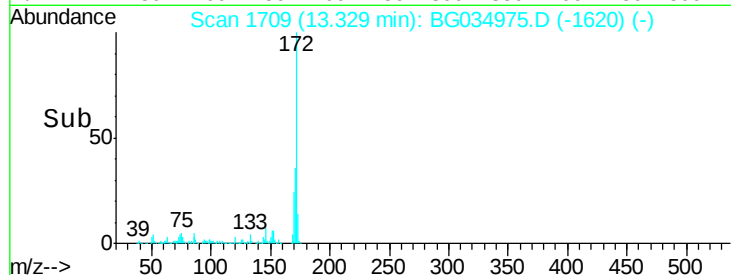
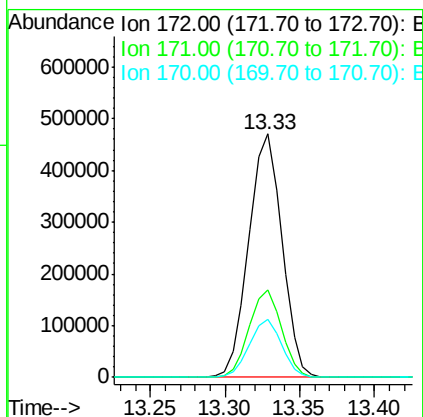
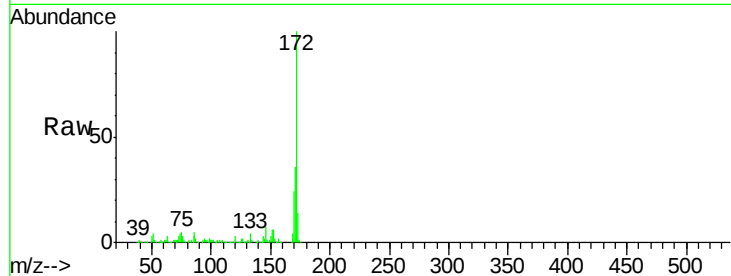




#44  
2-Fluorobiphenyl  
Concen: 85.72 ng  
RT: 13.33 min Scan# 1709  
Delta R.T. -0.01 min  
Lab File: BG034975.D  
Acq: 8 Jun 2018 6:31

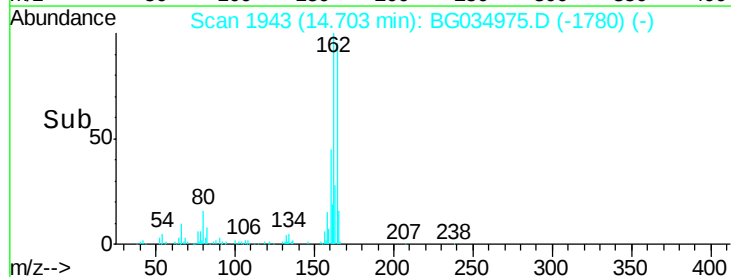
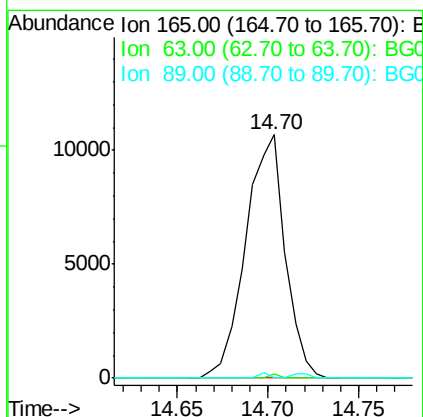
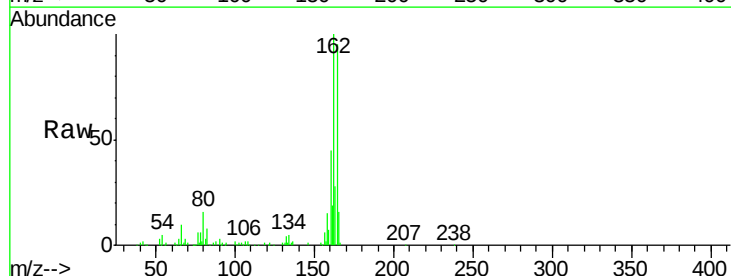
Instrument :  
BNA\_G  
ClientSampleId :

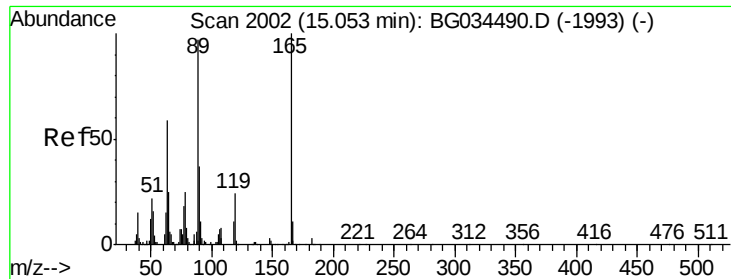
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.9  | 30.0  | 45.0  |
| 170     | 23.9  | 19.5  | 29.3  |



#50  
2,6-Dinitrotoluene  
Concen: 9.27 ng  
RT: 14.70 min Scan# 1943  
Delta R.T. 0.42 min  
Lab File: BG034975.D  
Acq: 8 Jun 2018 6:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.6   | 52.7  | 79.1# |
| 89      | 0.0   | 49.2  | 73.8# |

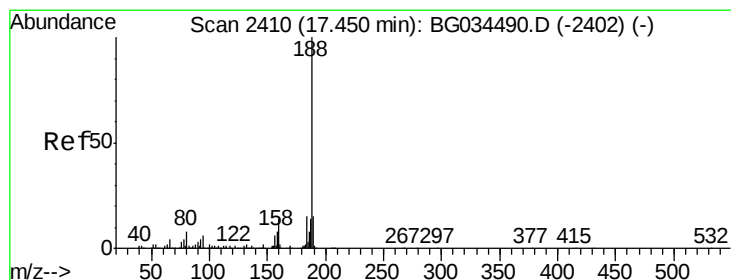
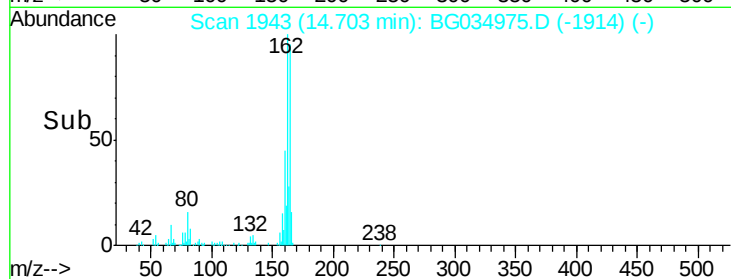
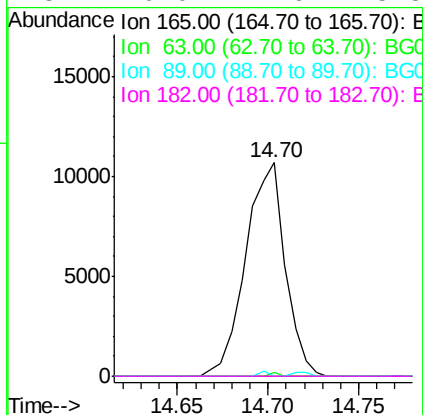
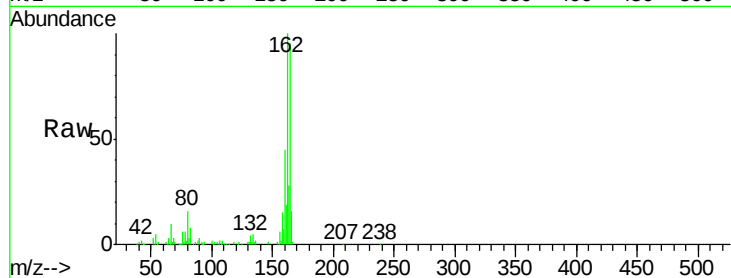




#56  
2,4-Dinitrotoluene  
Concen: 6.98 ng  
RT: 14.70 min Scan# 1943  
Delta R.T. -0.36 min  
Lab File: BG034975.D  
Acq: 8 Jun 2018 6:31

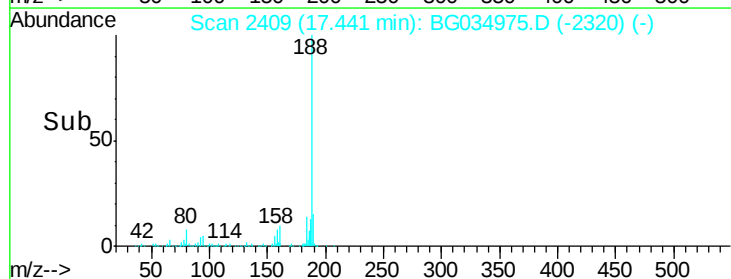
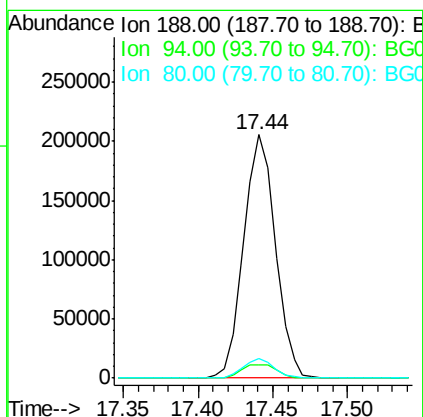
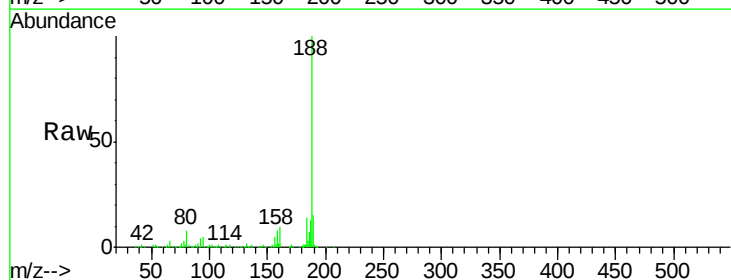
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:165 Resp: 16152  
Ion Ratio Lower Upper  
165 100  
63 1.6 42.0 63.0#  
89 0.0 66.9 100.3#  
182 0.0 2.6 3.8#



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.44 min Scan# 2409  
Delta R.T. -0.01 min  
Lab File: BG034975.D  
Acq: 8 Jun 2018 6:31

Tgt Ion:188 Resp: 301552  
Ion Ratio Lower Upper  
188 100  
94 5.5 6.9 10.3#  
80 8.0 7.7 11.5

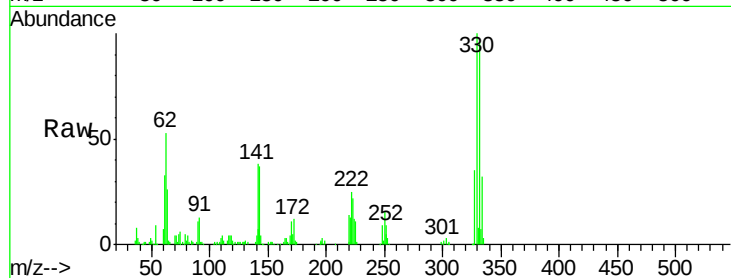




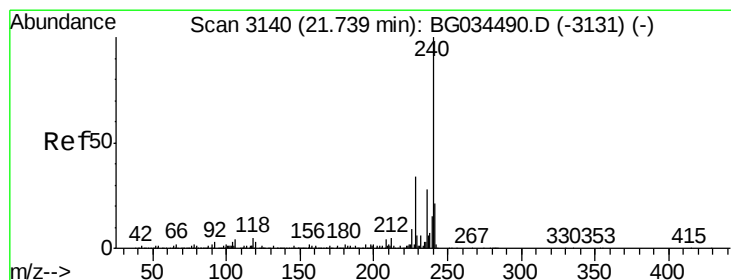
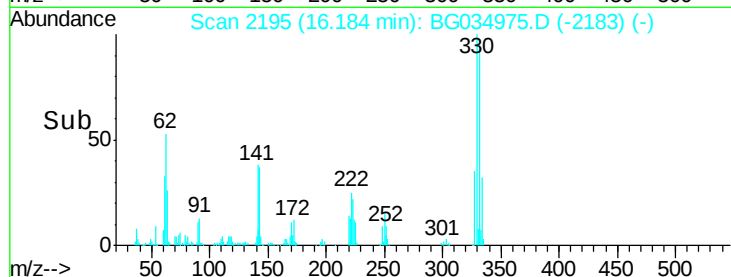
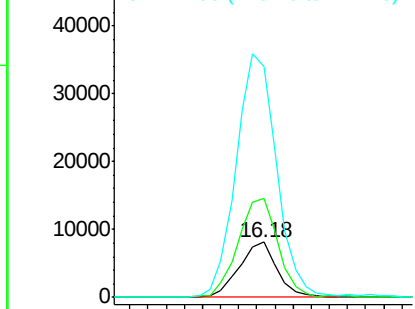
#66  
4-Bromophenyl-phenylether  
Concen: 3.24 ng  
RT: 16.18 min Scan# 2195  
Delta R.T. -0.46 min  
Lab File: BG034975.D  
Acq: 8 Jun 2018 6:31

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:248 Resp: 11751  
Ion Ratio Lower Upper  
248 100  
250 178.6 77.1 115.7#  
141 420.0 50.8 76.2#

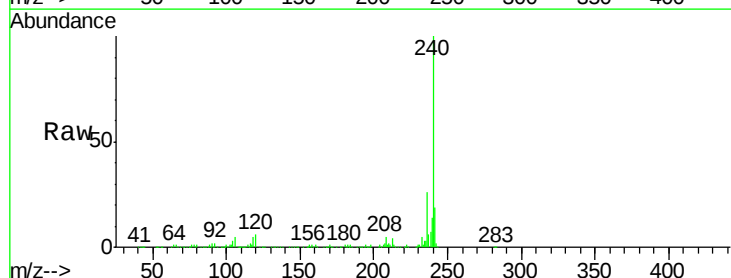


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

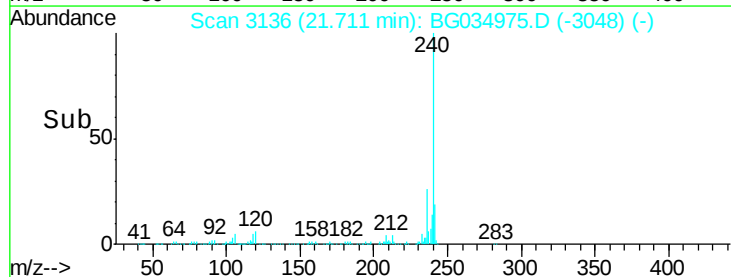
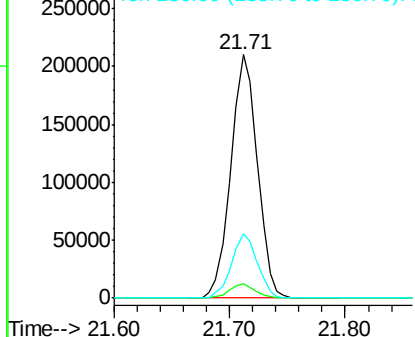


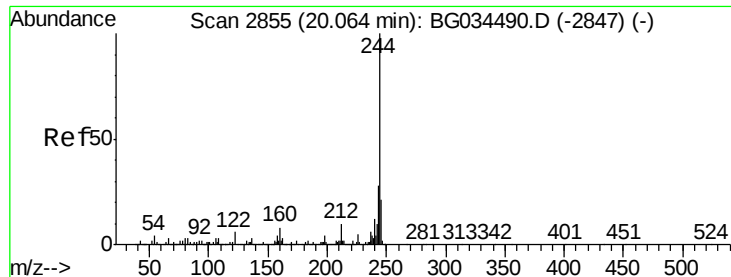
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.71 min Scan# 3136  
Delta R.T. -0.02 min  
Lab File: BG034975.D  
Acq: 8 Jun 2018 6:31

Tgt Ion:240 Resp: 334246  
Ion Ratio Lower Upper  
240 100  
120 6.1 6.8 10.2#  
236 26.4 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: 87.81 ng

RT: 20.05 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BG034975.D

Acq: 8 Jun 2018 6:31

Instrument :

BNA\_G

ClientSampleId :

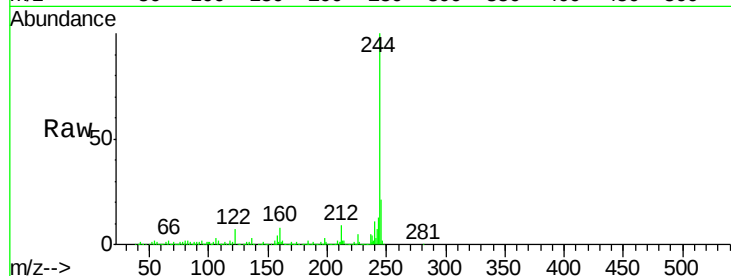
Tot Ion:244 Resp: 1401173

Ion Ratio Lower Upper

244 100

212 9.2 5.8 8.8#

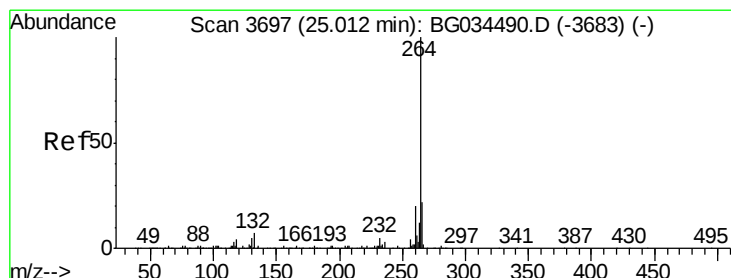
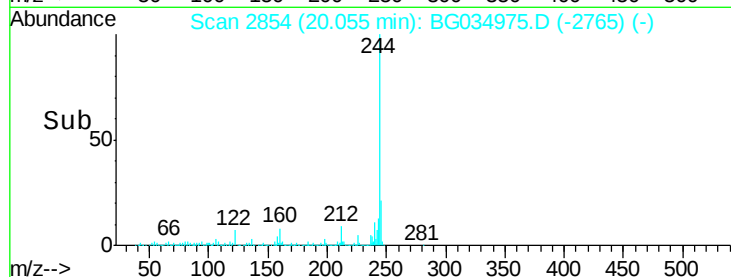
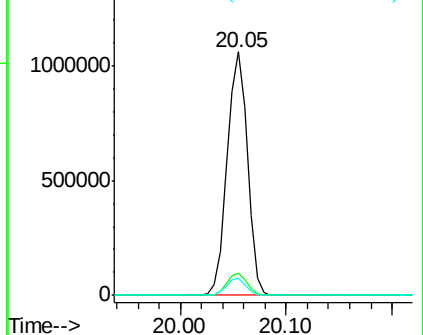
122 7.0 7.0 10.4



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: 20.00 ng

RT: 24.95 min Scan# 3688

Delta R.T. -0.03 min

Lab File: BG034975.D

Acq: 8 Jun 2018 6:31

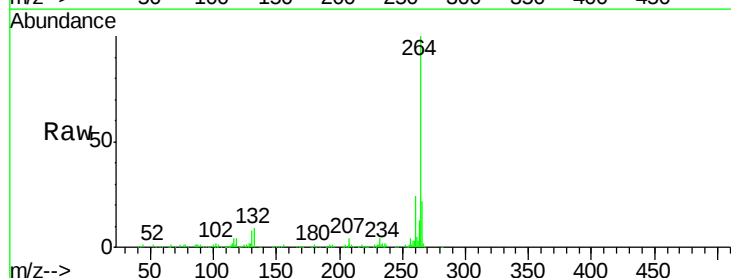
Tgt Ion:264 Resp: 321812

Ion Ratio Lower Upper

264 100

260 23.6 17.4 26.0

265 22.2 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

