

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041519\  
 Data File : BG040497.D  
 Acq On : 16 Apr 2019 2:20  
 Operator : JU/SJ  
 Sample : K2397-08  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Apr 16 04:12:38 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 28 05:47:00 2019  
 Response via : Initial Calibration

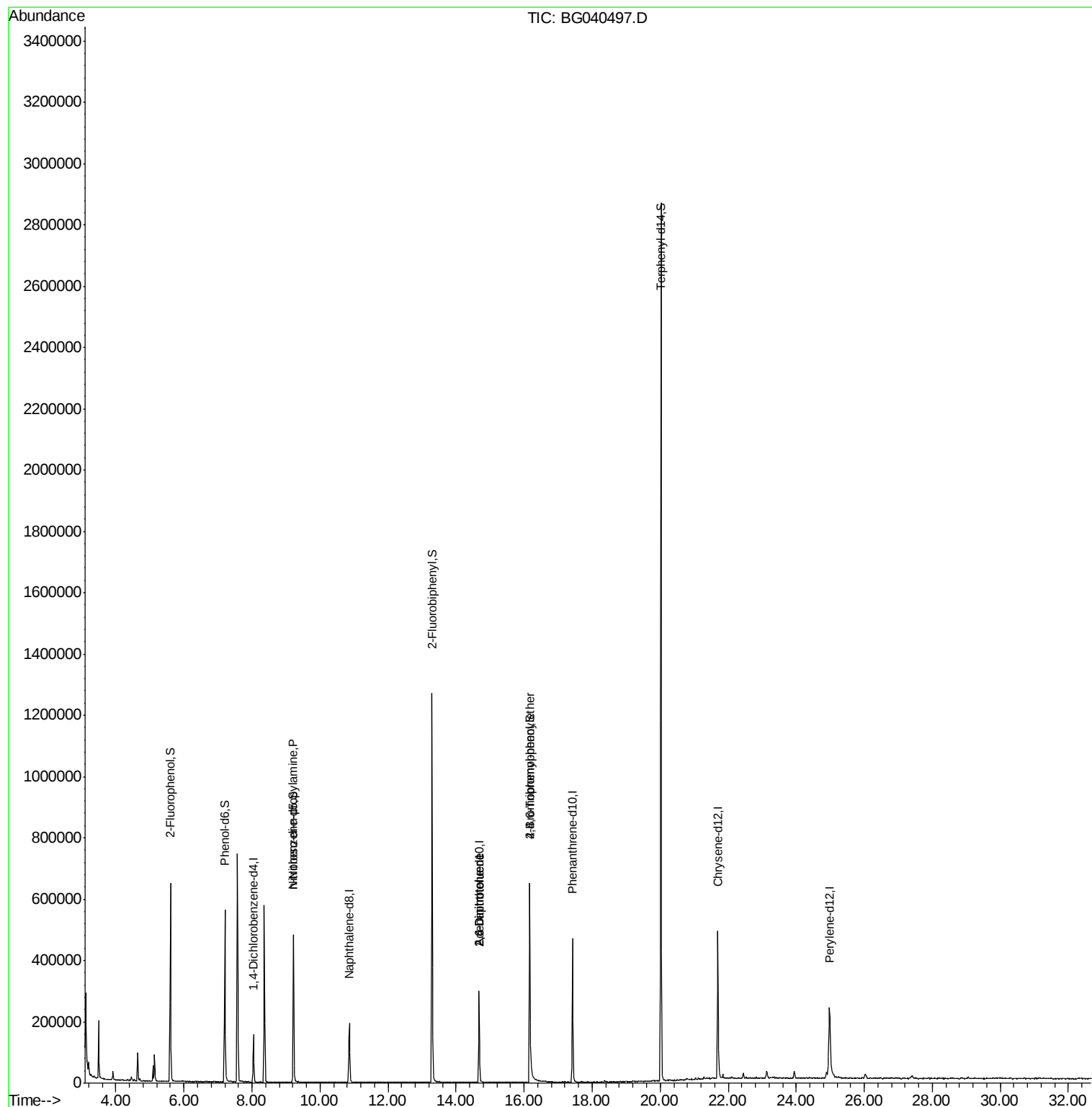
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.04  | 152  | 46015    | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8             | 10.86 | 136  | 175824   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10           | 14.67 | 164  | 114676   | 20.00  | ng    | -0.03    |
| 64) Phenanthrene-d10           | 17.42 | 188  | 311608   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12               | 21.70 | 240  | 315147   | 20.00  | ng    | -0.04    |
| 87) Perylene-d12               | 24.98 | 264  | 328003   | 20.00  | ng    | -0.05    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.60  | 112  | 295289   | 106.68 | ng    | -0.02    |
| 7) Phenol-d6                   | 7.20  | 99   | 354052   | 92.55  | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 9.22  | 82   | 305624   | 92.39  | ng    | -0.03    |
| 42) 2,4,6-Tribromophenol       | 16.17 | 330  | 150112   | 121.12 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl           | 13.29 | 172  | 692571   | 89.49  | ng    | -0.03    |
| 79) Terphenyl-d14              | 20.02 | 244  | 1353937  | 96.65  | ng    | -0.03    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.22  | 70   | 38131    | 13.903 | ng    | # 72     |
| 51) 2,6-Dinitrotoluene         | 14.67 | 165  | 14513    | 7.202  | ng    | # 27     |
| 57) 2,4-Dinitrotoluene         | 14.67 | 165  | 14513    | 5.183  | ng    | # 27     |
| 67) 4-Bromophenyl-phenylether  | 16.16 | 248  | 11319    | 3.228  | ng    | # 1      |

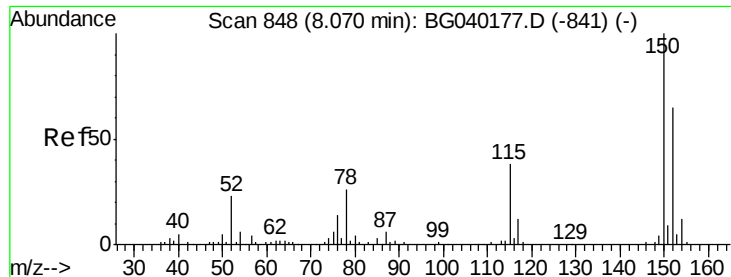
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041519\  
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ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Apr 16 04:12:38 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG032719.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Response via : Initial Calibration



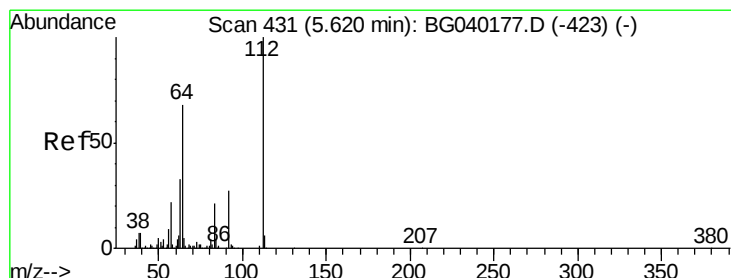
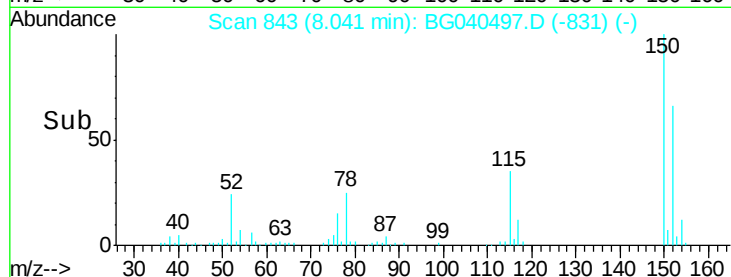
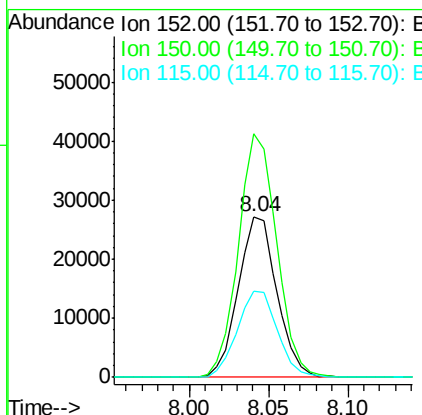
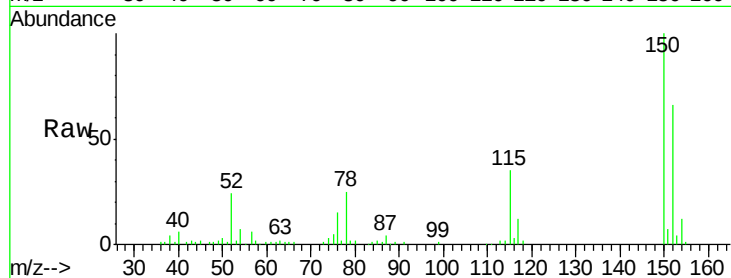


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.04 min Scan# 843  
Delta R.T. -0.03 min  
Lab File: BG040497.D  
Acq: 16 Apr 2019 2:20

Instrument :  
BNA\_G  
ClientSampled :

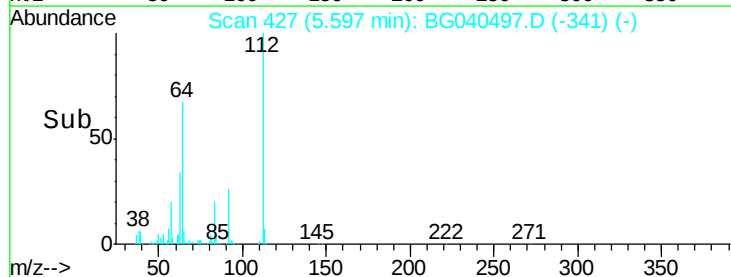
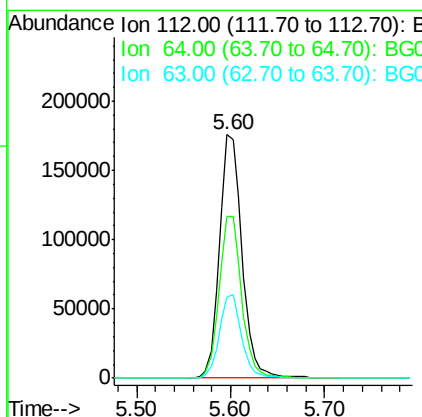
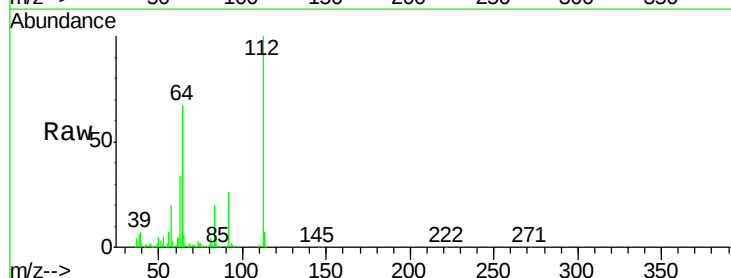
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 151.4 | 123.7 | 185.5 |
| 115     | 53.6  | 46.9  | 70.3  |

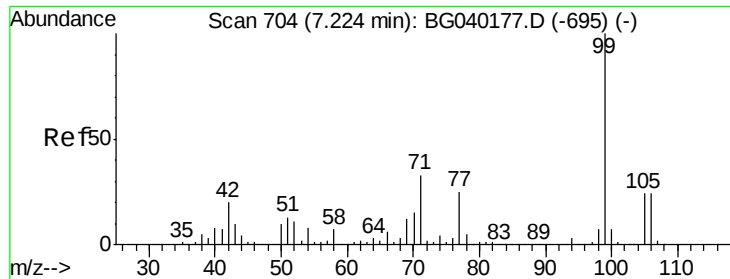


#5

2-Fluorophenol  
Concen: 106.681 ng  
RT: 5.60 min Scan# 427  
Delta R.T. -0.02 min  
Lab File: BG040497.D  
Acq: 16 Apr 2019 2:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 66.6  | 54.2  | 81.2  |
| 63      | 33.5  | 26.4  | 39.6  |





#7

Phenol-d6

Concen: 92.554 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.02 min

Lab File: BG040497.D

Acq: 16 Apr 2019 2:20

Instrument :

BNA\_G

ClientSampled :

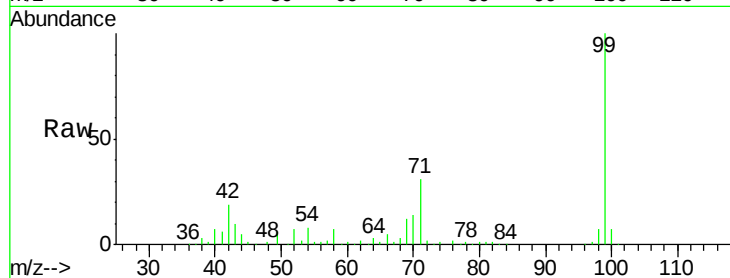
Tot Ion: 99 Resp: 354052

Ion Ratio Lower Upper

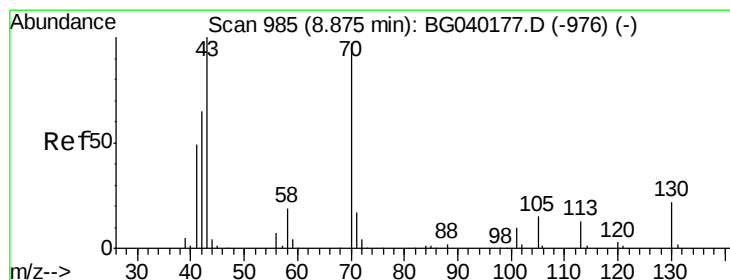
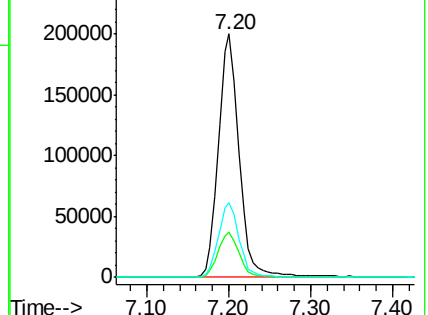
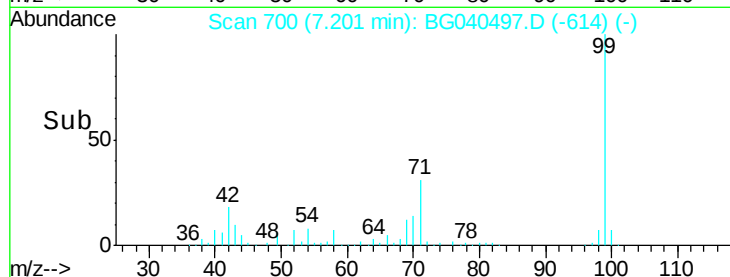
99 100

42 18.6 16.2 24.2

71 30.9 26.8 40.2



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: 13.903 ng

RT: 9.22 min Scan# 1043

Delta R.T. 0.34 min

Lab File: BG040497.D

Acq: 16 Apr 2019 2:20

Tgt Ion: 70 Resp: 38131

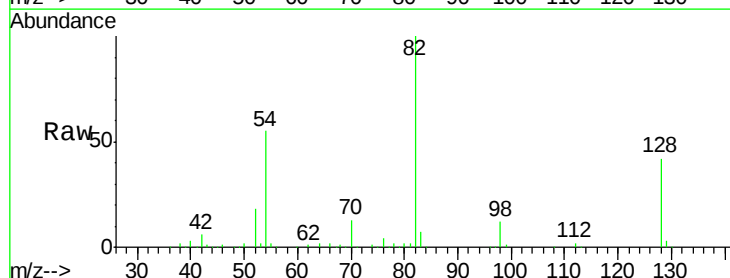
Ion Ratio Lower Upper

70 100

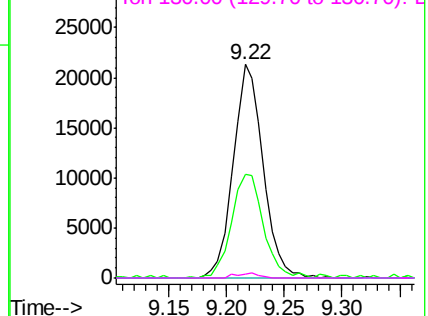
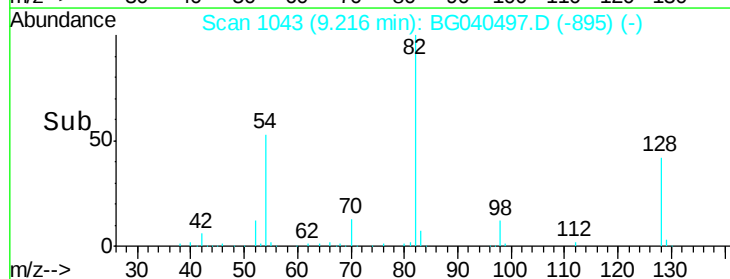
42 48.7 54.0 81.0#

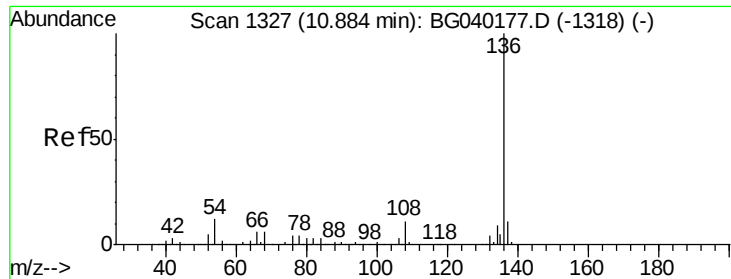
101 0.0 8.6 13.0#

130 2.1 18.2 27.2#



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

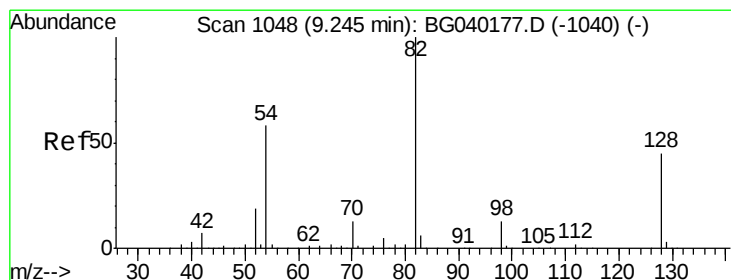
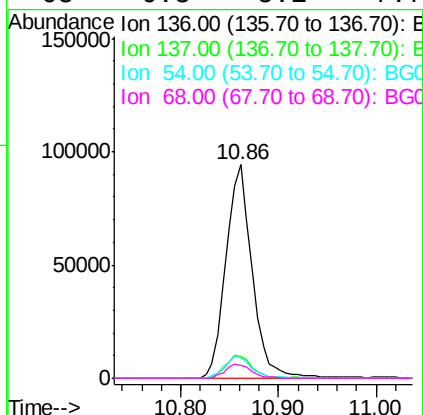
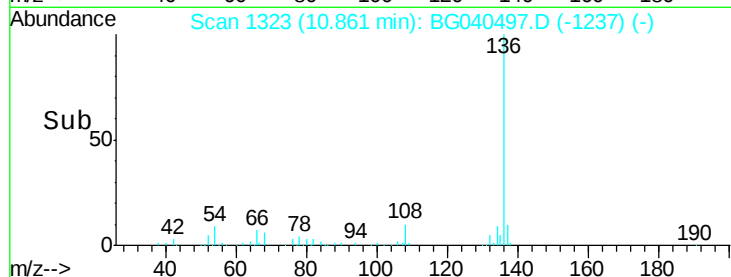
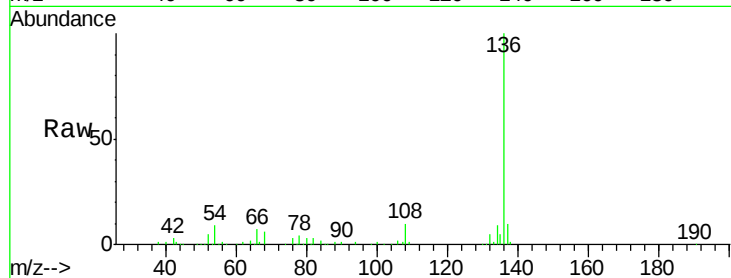




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.86 min Scan# 1323  
Delta R.T. -0.02 min  
Lab File: BG040497.D  
Acq: 16 Apr 2019 2:20

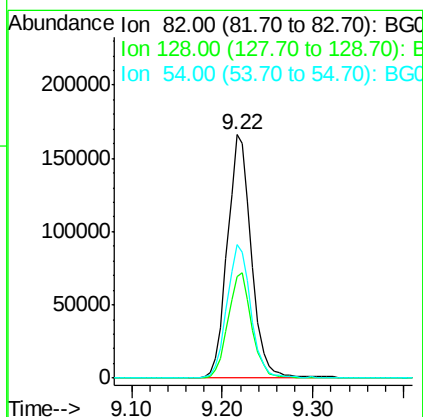
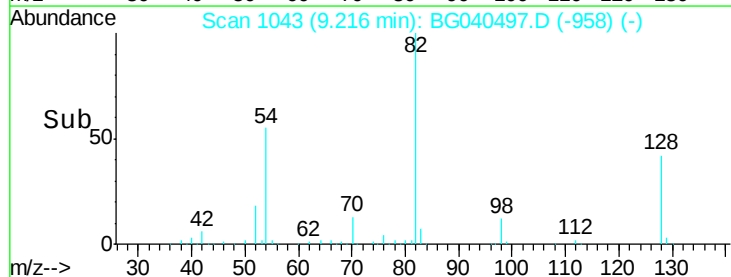
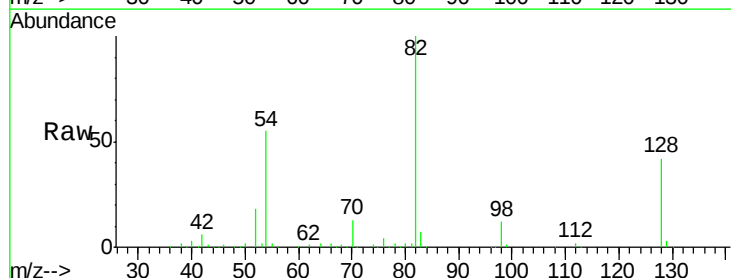
Instrument :  
BNA\_G  
ClientSampled :

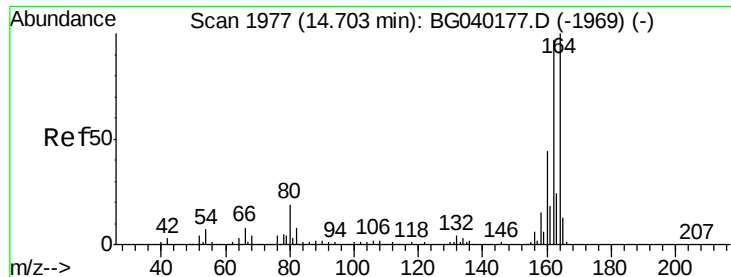
|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 175824      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 10.0  | 8.9 13.3    |
| 54          | 9.4   | 9.6 14.4#   |
| 68          | 6.3   | 5.1 7.7     |



#23  
Nitrobenzene-d5  
Concen: 92.393 ng  
RT: 9.22 min Scan# 1043  
Delta R.T. -0.03 min  
Lab File: BG040497.D  
Acq: 16 Apr 2019 2:20

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 305624      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 41.7  | 35.8 53.8   |
| 54          | 54.9  | 46.2 69.2   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.67 min Scan# 1972

Delta R.T. -0.03 min

Lab File: BG040497.D

Acq: 16 Apr 2019 2:20

Instrument :

BNA\_G

ClientSampleId :

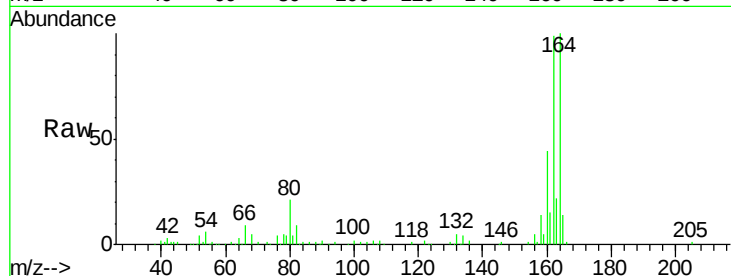
Tot Ion:164 Resp: 114676

Ion Ratio Lower Upper

164 100

162 98.9 77.4 116.2

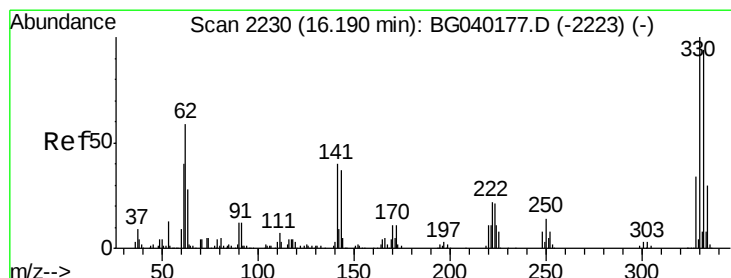
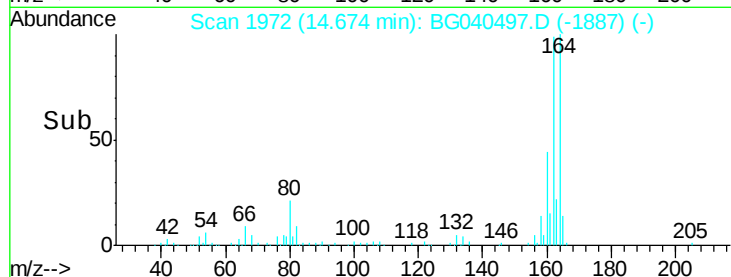
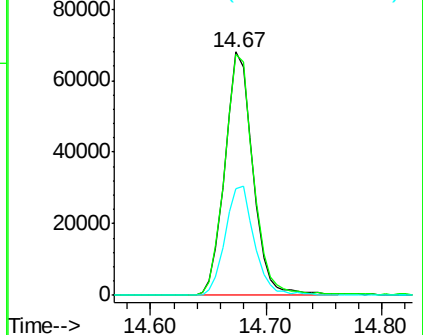
160 43.7 35.3 52.9



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



#42

2,4,6-Tribromophenol

Concen: 121.122 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.02 min

Lab File: BG040497.D

Acq: 16 Apr 2019 2:20

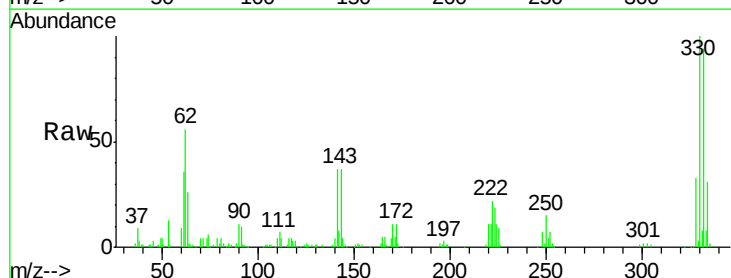
Tgt Ion:330 Resp: 150112

Ion Ratio Lower Upper

330 100

332 94.5 76.6 115.0

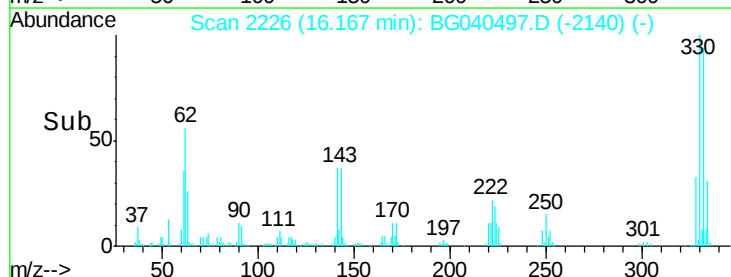
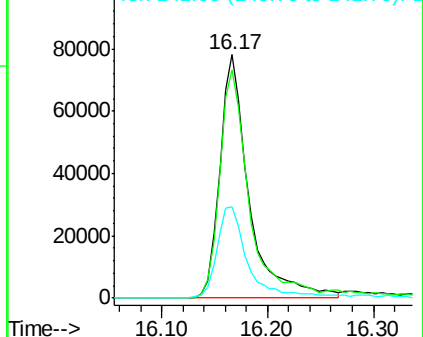
141 38.8 32.6 48.8

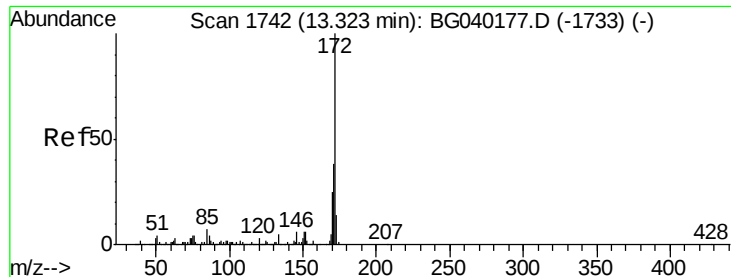


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

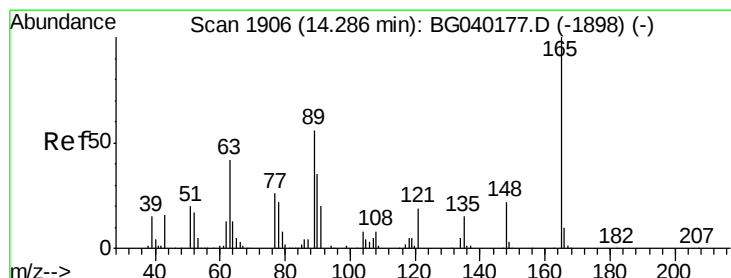
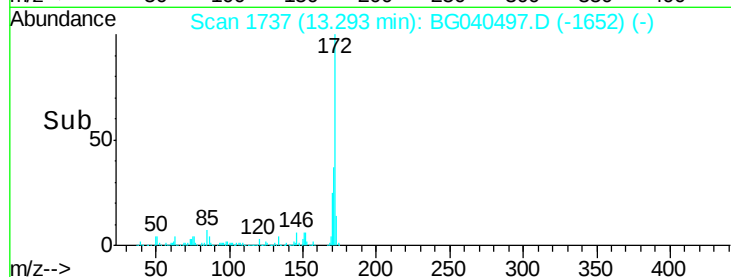
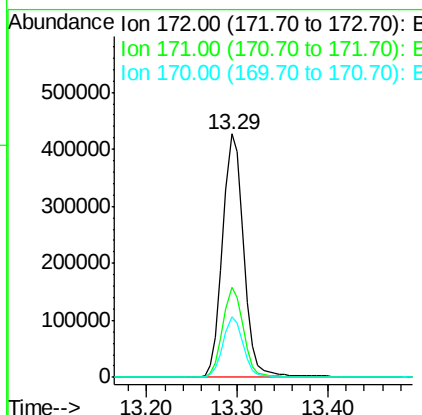
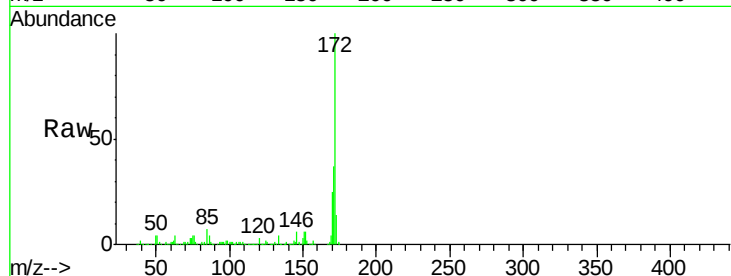




#45  
 2-Fluorobiphenyl  
 Concen: 89.489 ng  
 RT: 13.29 min Scan# 1737  
 Delta R.T. -0.03 min  
 Lab File: BG040497.D  
 Acq: 16 Apr 2019 2:20

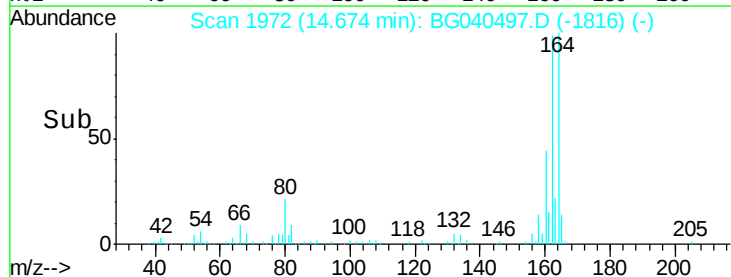
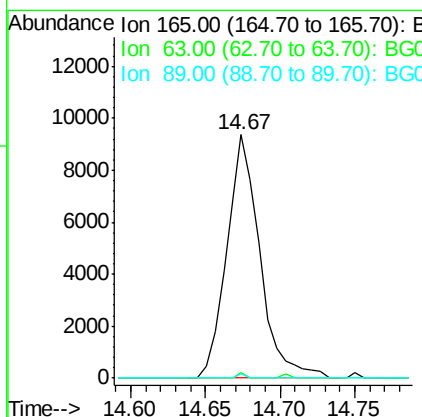
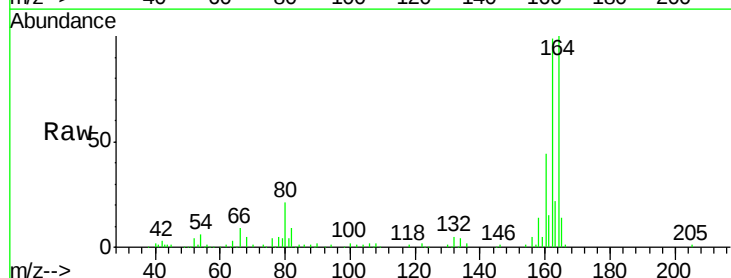
Instrument :  
 BNA\_G  
 ClientSampleId :

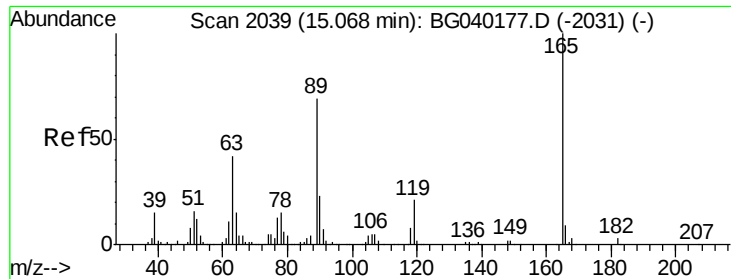
Tot Ion:172 Resp: 692571  
 Ion Ratio Lower Upper  
 172 100  
 171 36.7 30.5 45.7  
 170 24.9 20.1 30.1



#51  
 2,6-Dinitrotoluene  
 Concen: 7.202 ng  
 RT: 14.67 min Scan# 1972  
 Delta R.T. 0.39 min  
 Lab File: BG040497.D  
 Acq: 16 Apr 2019 2:20

Tgt Ion:165 Resp: 14513  
 Ion Ratio Lower Upper  
 165 100  
 63 2.4 44.1 66.1#  
 89 1.9 44.9 67.3#

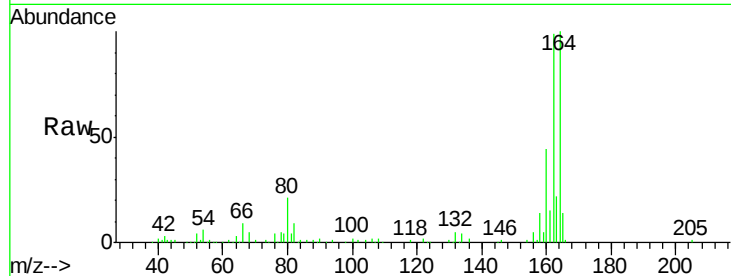




#57  
 2,4-Dinitrotoluene  
 Concen: 5.183 ng  
 RT: 14.67 min Scan# 1972  
 Delta R.T. -0.39 min  
 Lab File: BG040497.D  
 Acq: 16 Apr 2019 2:20

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 2.4   | 33.8  | 50.6# |
| 89      | 1.9   | 55.4  | 83.2# |
| 182     | 0.0   | 2.2   | 3.4#  |

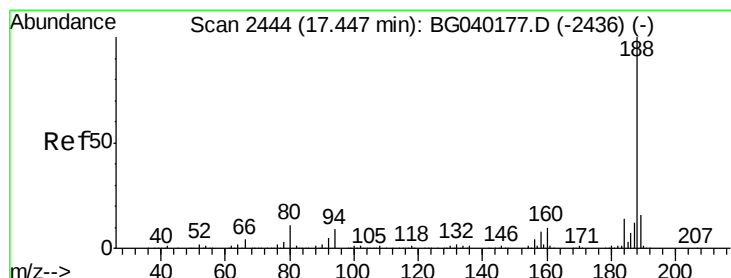
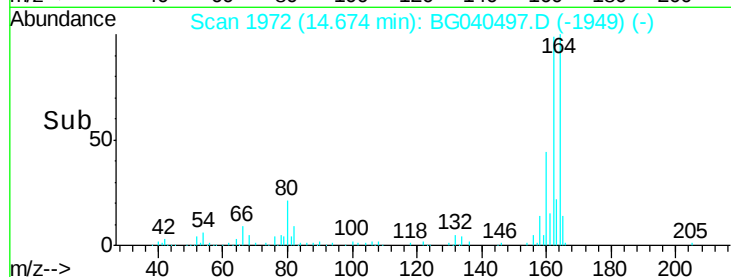
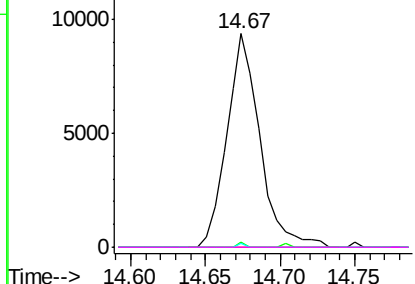


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

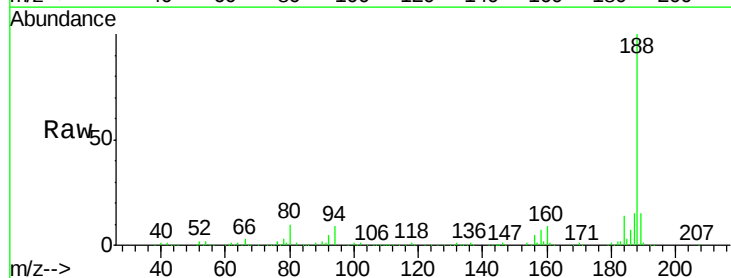
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.42 min Scan# 2440  
 Delta R.T. -0.02 min  
 Lab File: BG040497.D  
 Acq: 16 Apr 2019 2:20

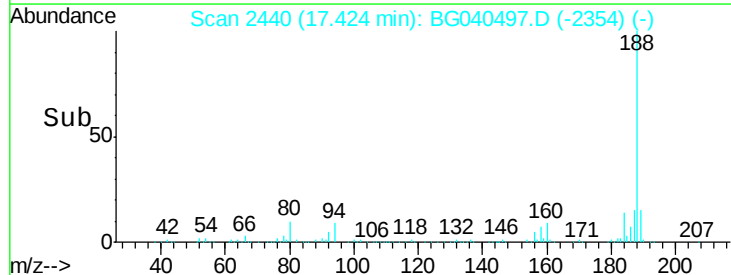
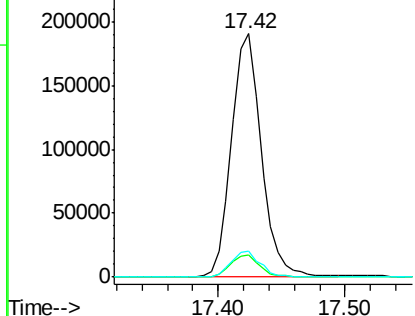
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.1   | 7.0   | 10.4  |
| 80      | 10.5  | 8.6   | 13.0  |

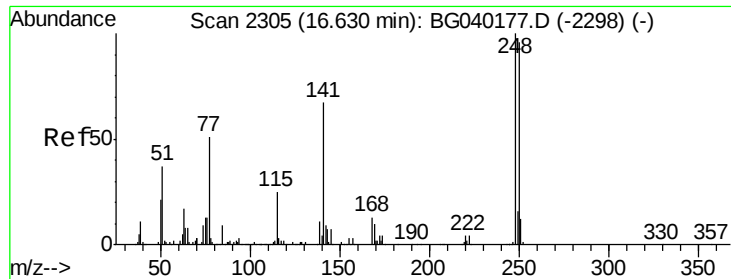


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

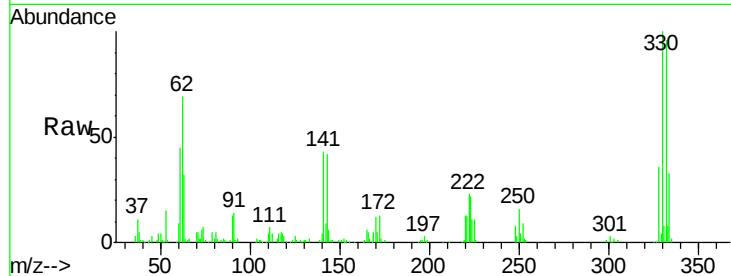




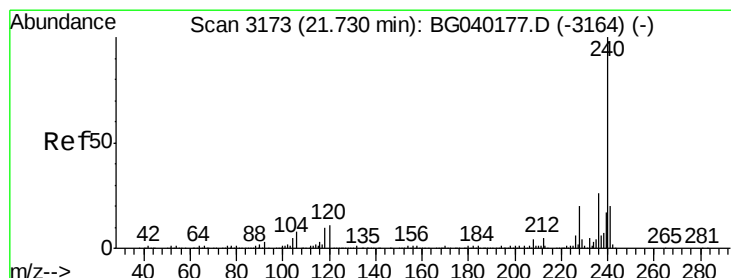
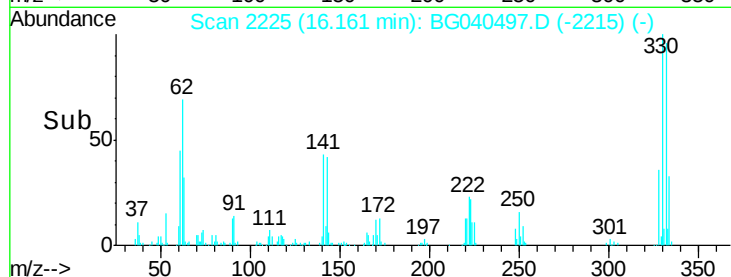
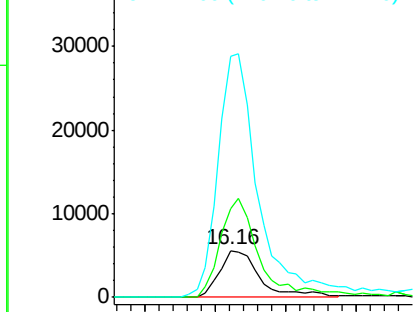
#67  
 4-Bromophenyl-phenylether  
 Concen: 3.228 ng  
 RT: 16.16 min Scan# 2225  
 Delta R.T. -0.47 min  
 Lab File: BG040497.D  
 Acq: 16 Apr 2019 2:20

Instrument :  
 BNA\_G  
 ClientSampleId :

Tot Ion:248 Resp: 11319  
 Ion Ratio Lower Upper  
 248 100  
 250 144.5 76.4 114.6#  
 141 393.7 53.8 80.8#

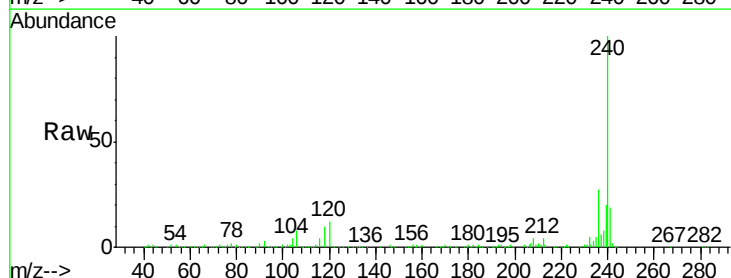


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

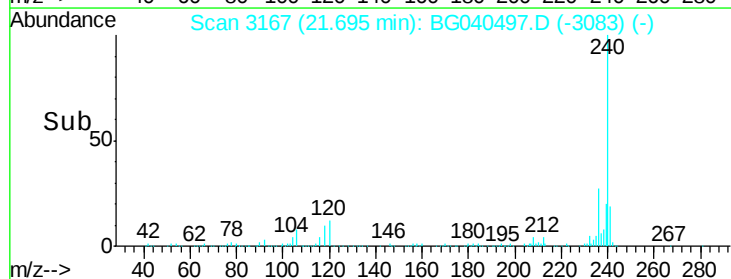
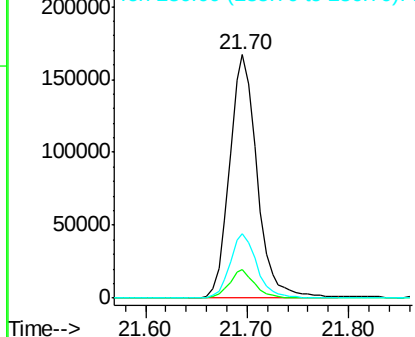


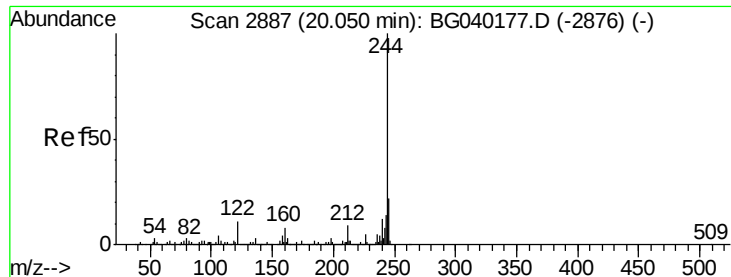
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.70 min Scan# 3167  
 Delta R.T. -0.04 min  
 Lab File: BG040497.D  
 Acq: 16 Apr 2019 2:20

Tgt Ion:240 Resp: 315147  
 Ion Ratio Lower Upper  
 240 100  
 120 11.5 8.4 12.6  
 236 26.5 20.8 31.2



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





#79

Terphenyl-d14

Concen: 96.650 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.03 min

Lab File: BG040497.D

Acq: 16 Apr 2019 2:20

Instrument :

BNA\_G

ClientSampleId :

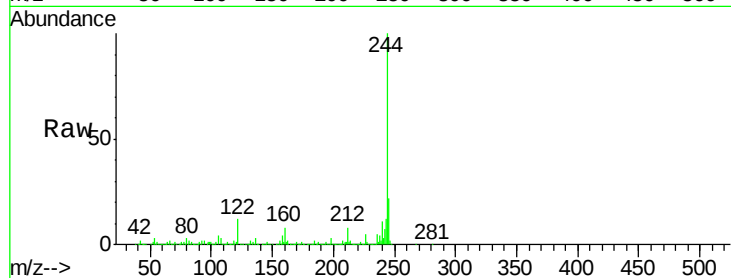
Tot Ion:244 Resp: 1353937

Ion Ratio Lower Upper

244 100

212 8.4 7.0 10.6

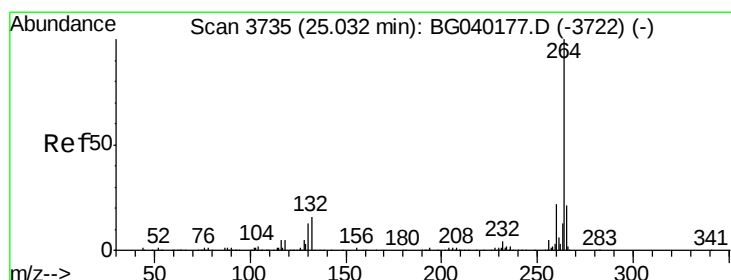
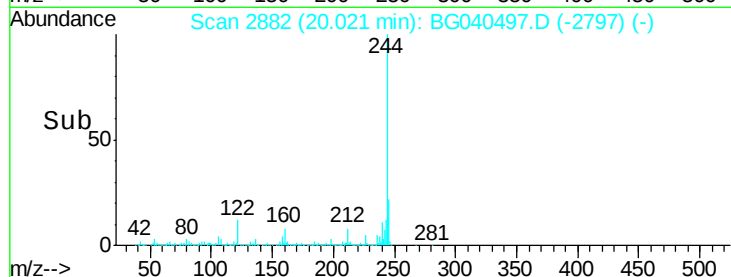
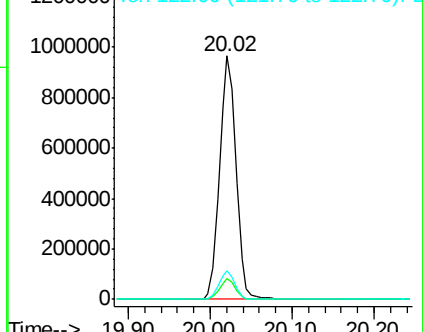
122 11.5 8.5 12.7



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.98 min Scan# 3726

Delta R.T. -0.05 min

Lab File: BG040497.D

Acq: 16 Apr 2019 2:20

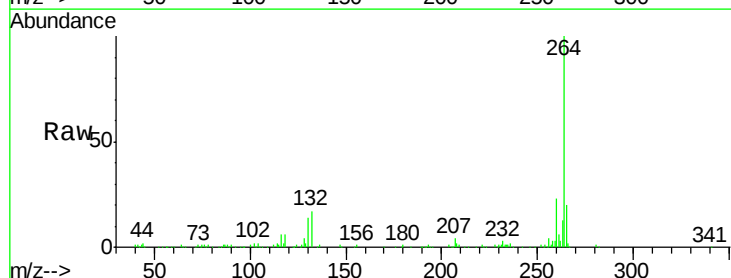
Tgt Ion:264 Resp: 328003

Ion Ratio Lower Upper

264 100

260 22.6 17.9 26.9

265 20.2 16.8 25.2



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

