

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG041619\  
 Data File : BG040511.D  
 Acq On : 16 Apr 2019 20:10  
 Operator : JU/SJ  
 Sample : K2423-07  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Apr 17 00:51:55 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

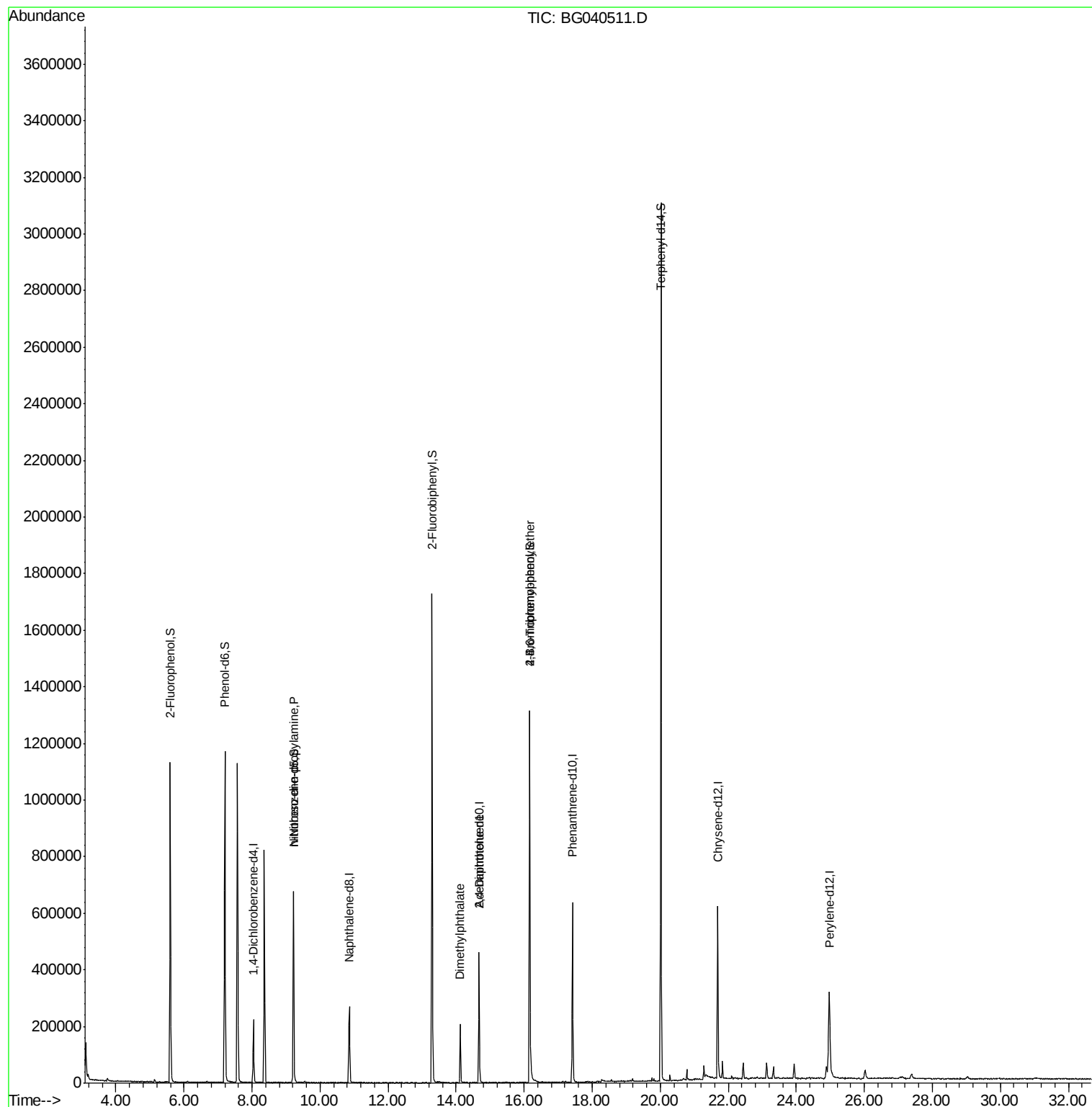
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.04  | 152  | 63008    | 20.00  | ng    | -0.03    |
| 21) Naphthalene-d8             | 10.86 | 136  | 246177   | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10           | 14.67 | 164  | 158382   | 20.00  | ng    | -0.03    |
| 64) Phenanthrene-d10           | 17.42 | 188  | 416915   | 20.00  | ng    | -0.03    |
| 76) Chrysene-d12               | 21.69 | 240  | 362948   | 20.00  | ng    | -0.04    |
| 87) Perylene-d12               | 24.97 | 264  | 388704   | 20.00  | ng    | -0.06    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.60  | 112  | 506011   | 133.51 | ng    | -0.02    |
| 7) Phenol-d6                   | 7.20  | 99   | 714613   | 136.43 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 9.22  | 82   | 428817   | 92.59  | ng    | -0.03    |
| 42) 2,4,6-Tribromophenol       | 16.17 | 330  | 261483   | 152.76 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl           | 13.29 | 172  | 944751   | 88.39  | ng    | -0.03    |
| 79) Terphenyl-d14              | 20.02 | 244  | 1477307  | 91.57  | ng    | -0.03    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.22  | 70   | 54875    | 14.612 | ng    | # 70     |
| 50) Dimethylphthalate          | 14.12 | 163  | 151007   | 12.182 | ng    | # 96     |
| 57) 2,4-Dinitrotoluene         | 14.67 | 165  | 20453    | 5.289  | ng    | # 25     |
| 67) 4-Bromophenyl-phenylether  | 16.17 | 248  | 19874    | 4.236  | ng    | # 1      |

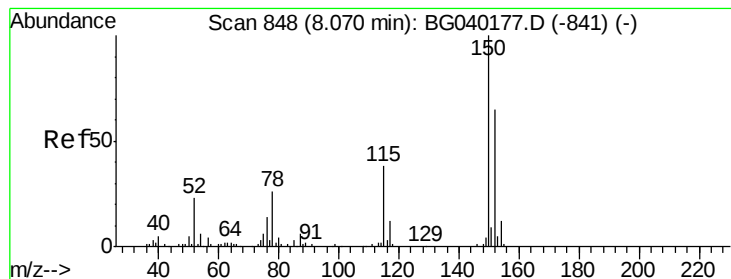
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA\_G  
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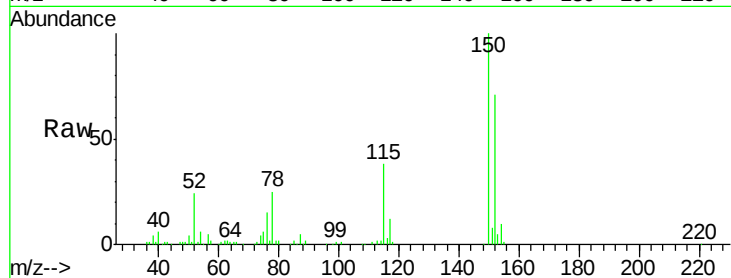


#1

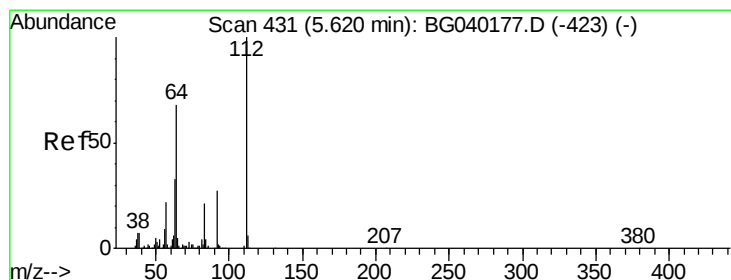
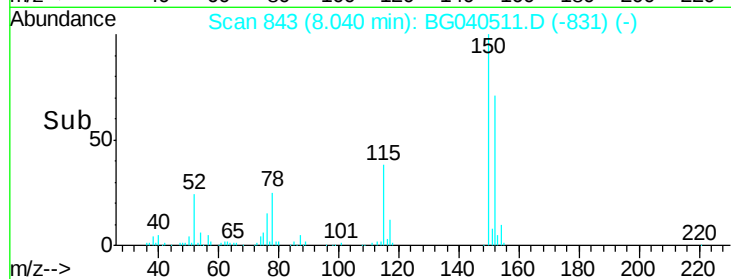
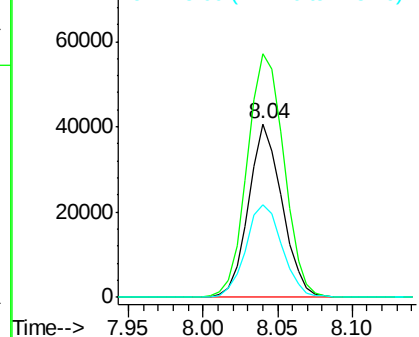
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.04 min Scan# 843  
Delta R.T. -0.03 min  
Lab File: BG040511.D  
Acq: 16 Apr 2019 20:10

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 63008  
Ion Ratio Lower Upper  
152 100  
150 140.3 123.7 185.5  
115 53.6 46.9 70.3



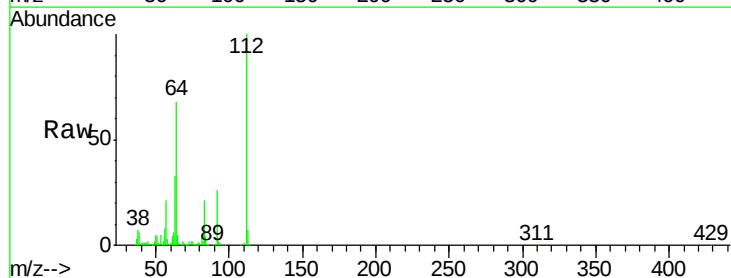
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



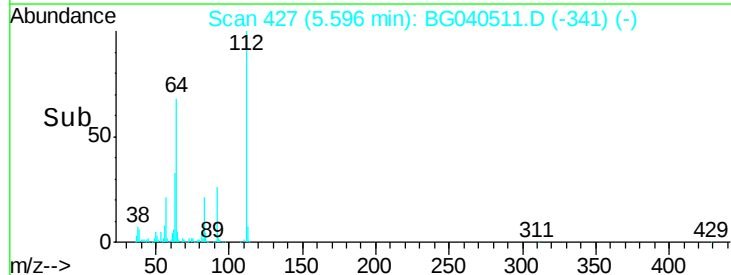
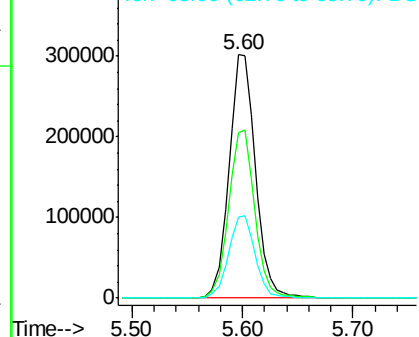
#5

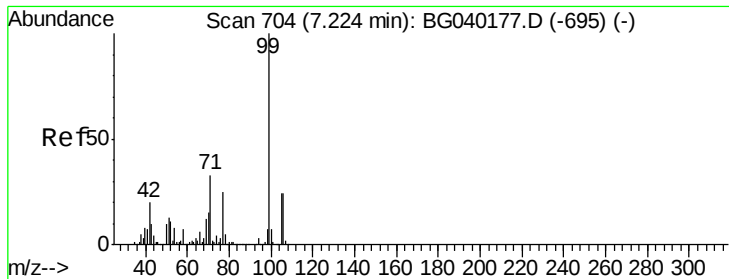
2-Fluorophenol  
Concen: 133.507 ng  
RT: 5.60 min Scan# 427  
Delta R.T. -0.02 min  
Lab File: BG040511.D  
Acq: 16 Apr 2019 20:10

Tgt Ion:112 Resp: 506011  
Ion Ratio Lower Upper  
112 100  
64 68.1 54.2 81.2  
63 33.3 26.4 39.6



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





#7

Phenol-d6

Concen: 136.427 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.02 min

Lab File: BG040511.D

Acq: 16 Apr 2019 20:10

Instrument :

BNA\_G

ClientSampled :

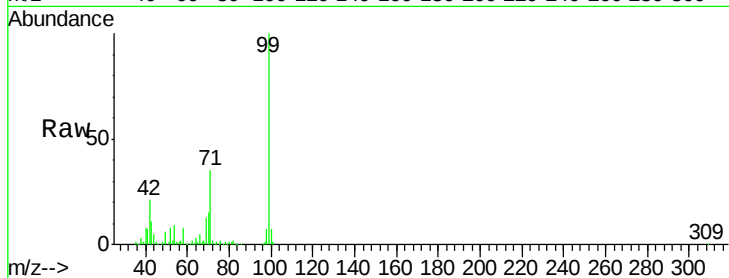
Tot Ion: 99 Resp: 714613

Ion Ratio Lower Upper

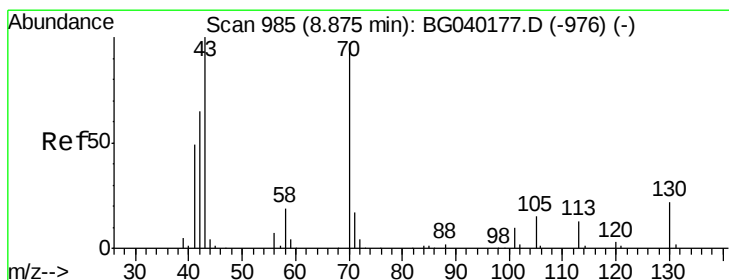
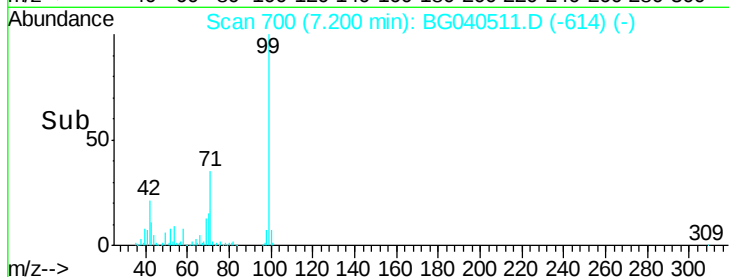
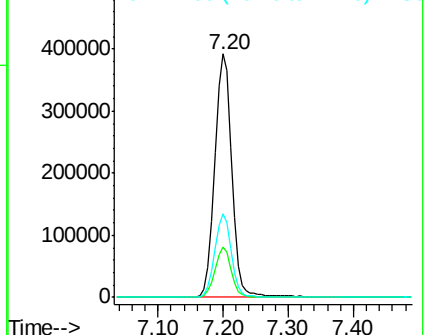
99 100

42 20.7 16.2 24.2

71 34.6 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: 14.612 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.35 min

Lab File: BG040511.D

Acq: 16 Apr 2019 20:10

Tgt Ion: 70 Resp: 54875

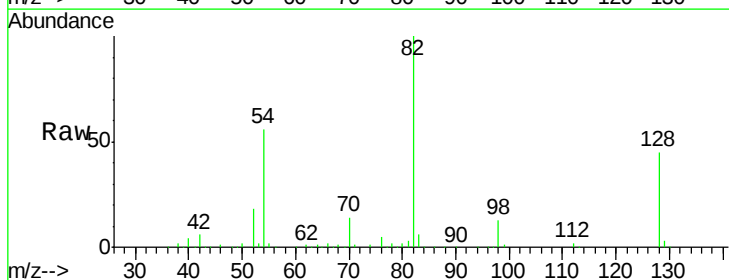
Ion Ratio Lower Upper

70 100

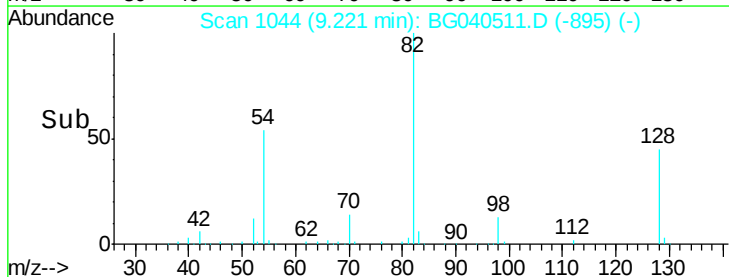
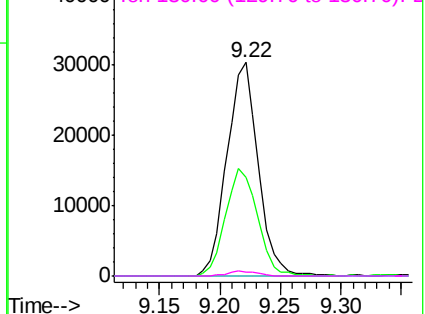
42 46.3 54.0 81.0#

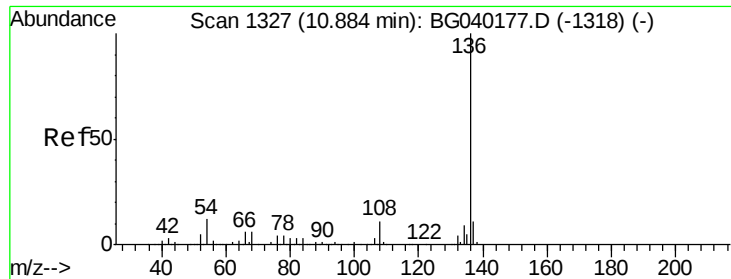
101 0.0 8.6 13.0#

130 1.8 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

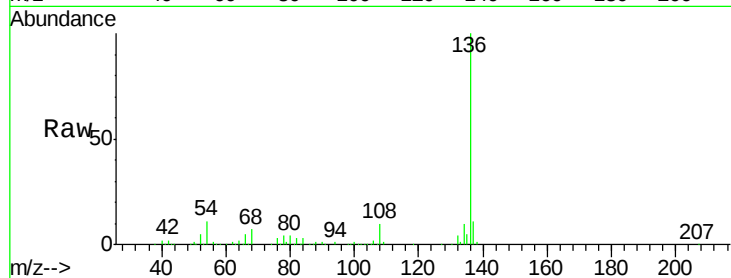




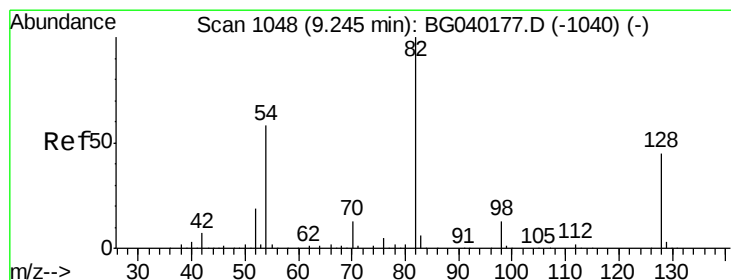
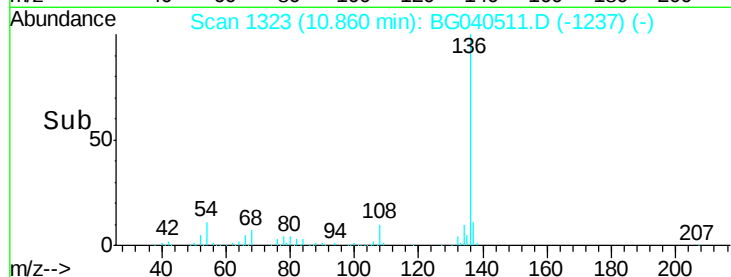
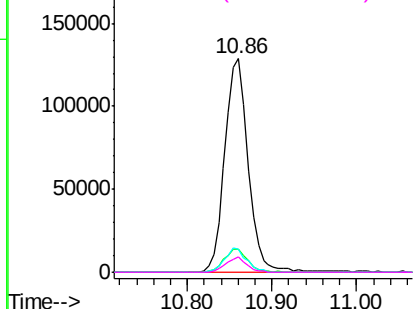
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.86 min Scan# 1323  
Delta R.T. -0.02 min  
Lab File: BG040511.D  
Acq: 16 Apr 2019 20:10

Instrument :  
BNA\_G  
ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 246177      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.0  | 8.9 13.3    |
| 54          | 11.1  | 9.6 14.4    |
| 68          | 7.0   | 5.1 7.7     |

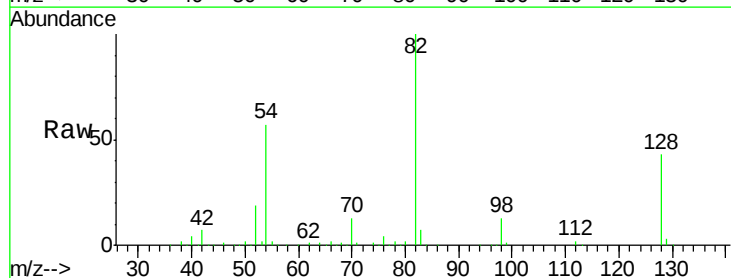


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

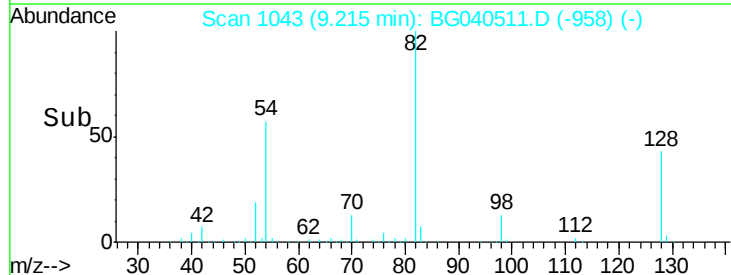
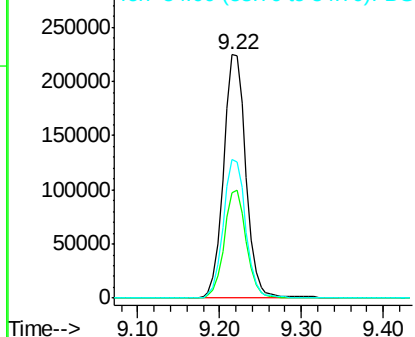


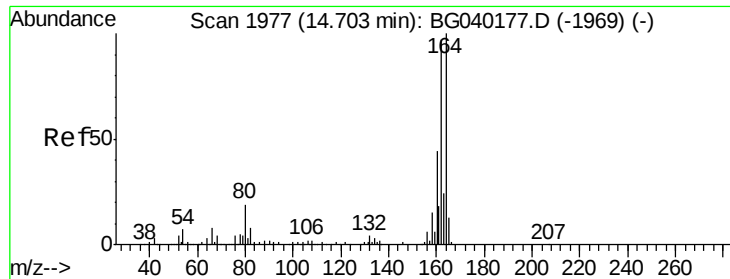
#23  
Nitrobenzene-d5  
Concen: 92.588 ng  
RT: 9.22 min Scan# 1043  
Delta R.T. -0.03 min  
Lab File: BG040511.D  
Acq: 16 Apr 2019 20:10

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 428817      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 43.1  | 35.8 53.8   |
| 54          | 56.8  | 46.2 69.2   |



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

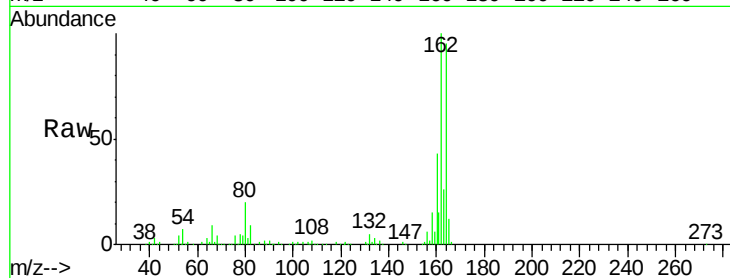




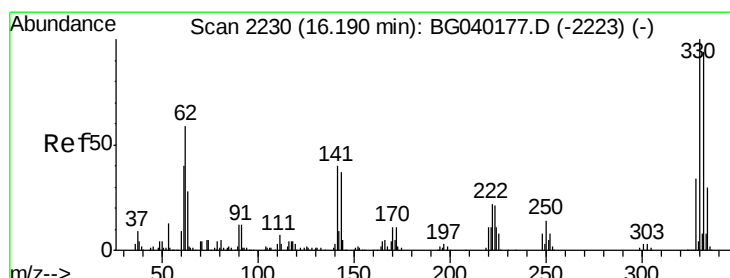
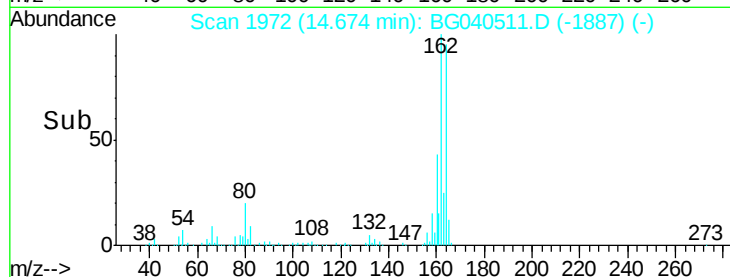
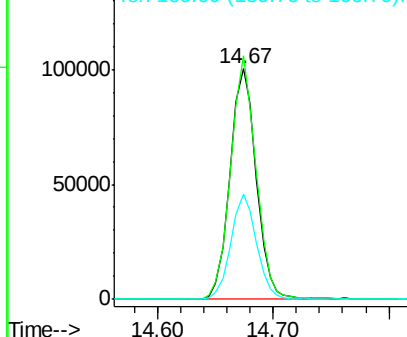
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.67 min Scan# 1972  
Delta R.T. -0.03 min  
Lab File: BG040511.D  
Acq: 16 Apr 2019 20:10

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:164 Resp: 158382  
Ion Ratio Lower Upper  
164 100  
162 105.5 77.4 116.2  
160 45.6 35.3 52.9

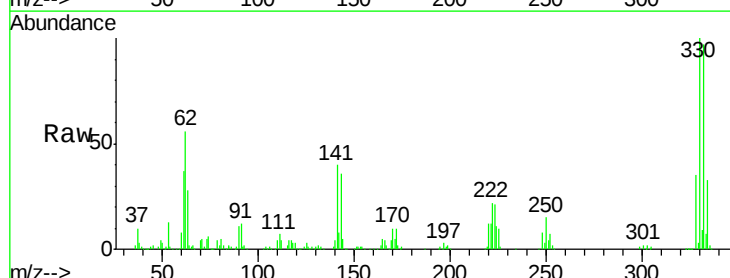


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

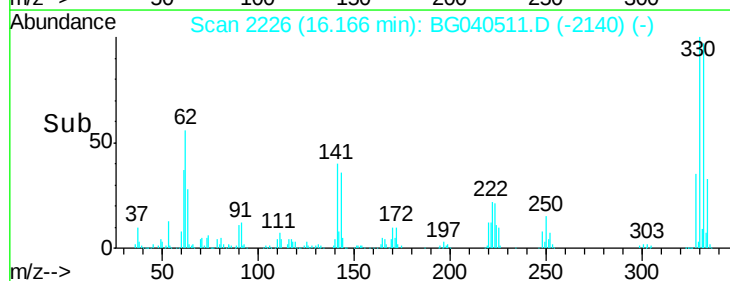
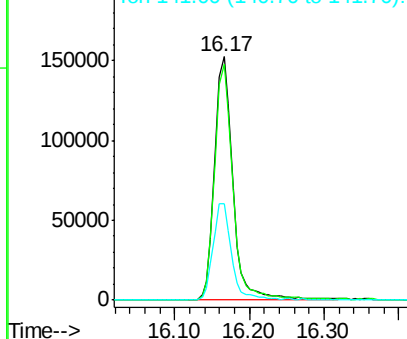


#42  
2,4,6-Tribromophenol  
Concen: 152.762 ng  
RT: 16.17 min Scan# 2226  
Delta R.T. -0.02 min  
Lab File: BG040511.D  
Acq: 16 Apr 2019 20:10

Tgt Ion:330 Resp: 261483  
Ion Ratio Lower Upper  
330 100  
332 96.5 76.6 115.0  
141 39.7 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

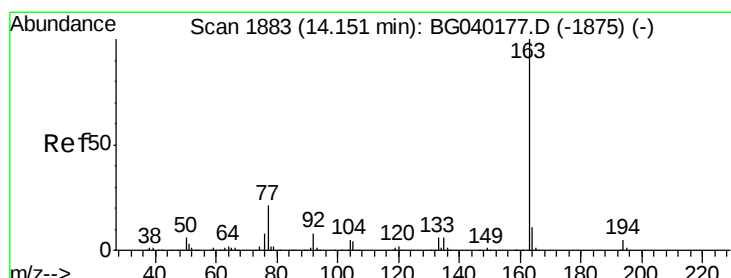
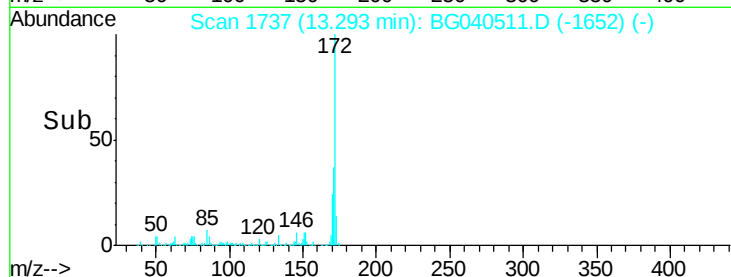
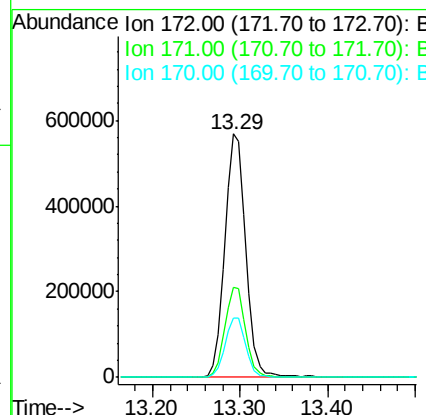
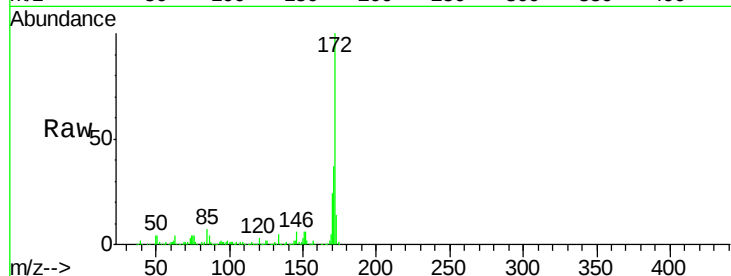




#45  
2-Fluorobiphenyl  
Concen: 88.387 ng  
RT: 13.29 min Scan# 1737  
Delta R.T. -0.03 min  
Lab File: BG040511.D  
Acq: 16 Apr 2019 20:10

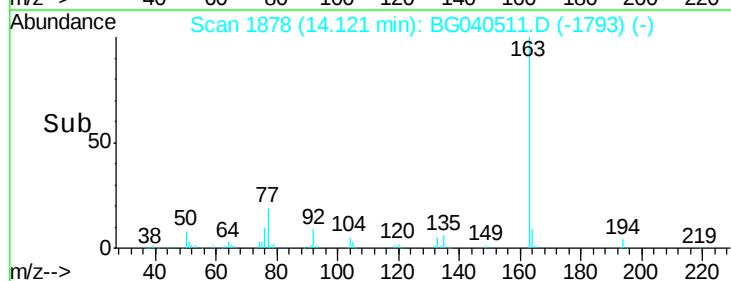
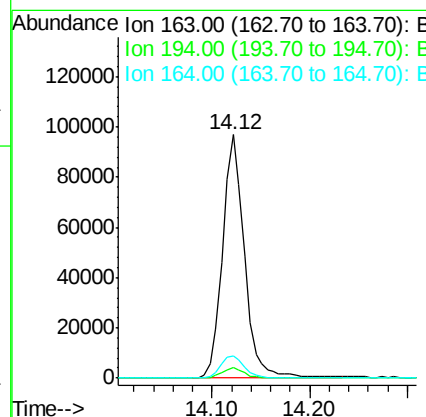
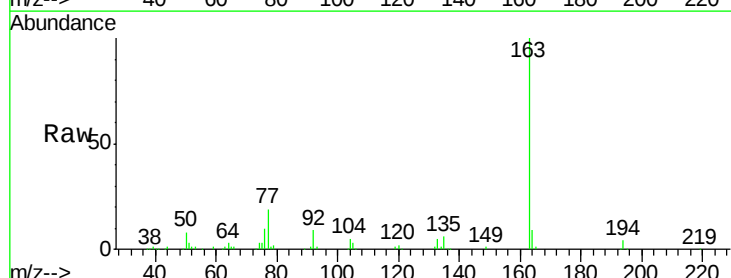
Instrument :  
BNA\_G  
ClientSampleId :

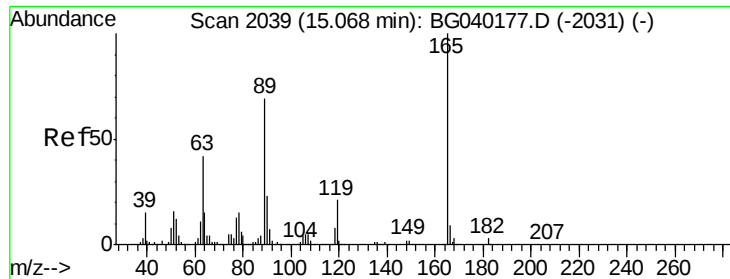
Tot Ion:172 Resp: 944751  
Ion Ratio Lower Upper  
172 100  
171 37.0 30.5 45.7  
170 24.4 20.1 30.1



#50  
Dimethylphthalate  
Concen: 12.182 ng  
RT: 14.12 min Scan# 1878  
Delta R.T. -0.03 min  
Lab File: BG040511.D  
Acq: 16 Apr 2019 20:10

Tgt Ion:163 Resp: 151007  
Ion Ratio Lower Upper  
163 100  
194 4.2 4.1 6.1  
164 9.2 8.6 13.0

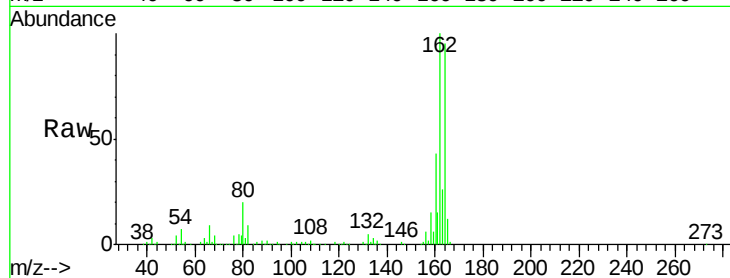




#57  
 2,4-Dinitrotoluene  
 Concen: 5.289 ng  
 RT: 14.67 min Scan# 1972  
 Delta R.T. -0.39 min  
 Lab File: BG040511.D  
 Acq: 16 Apr 2019 20:10

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 33.8  | 50.6# |
| 89      | 1.5   | 55.4  | 83.2# |
| 182     | 0.0   | 2.2   | 3.4#  |

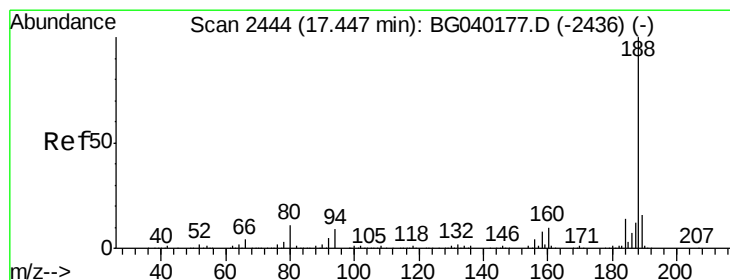
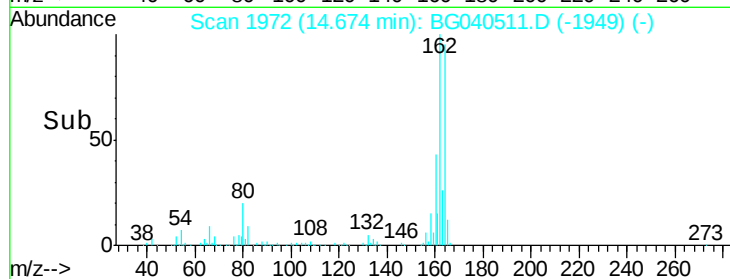
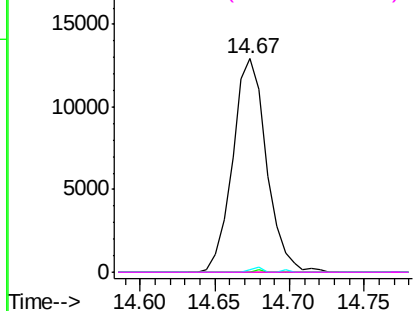


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

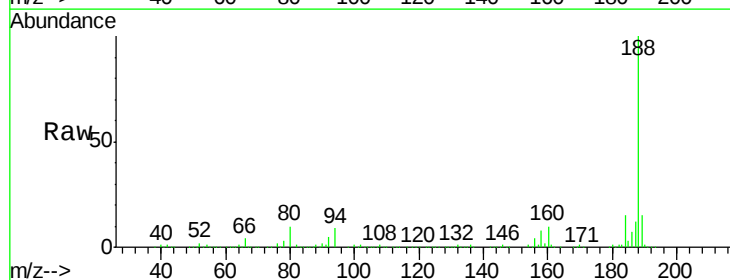
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.42 min Scan# 2439  
 Delta R.T. -0.03 min  
 Lab File: BG040511.D  
 Acq: 16 Apr 2019 20:10

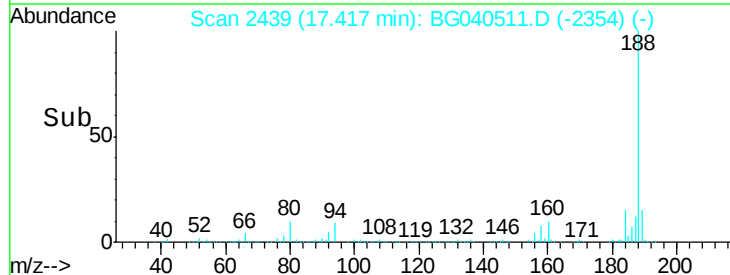
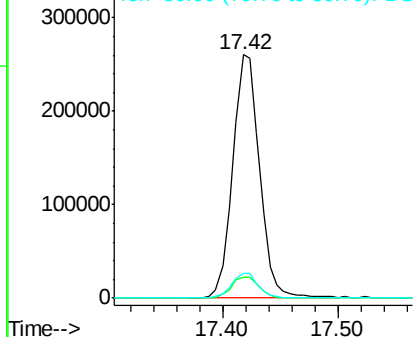
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.6   | 7.0   | 10.4  |
| 80      | 10.0  | 8.6   | 13.0  |



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: 4.236 ng

RT: 16.17 min Scan# 2226

Delta R.T. -0.46 min

Lab File: BG040511.D

Acq: 16 Apr 2019 20:10

Instrument :

BNA\_G

ClientSampleId :

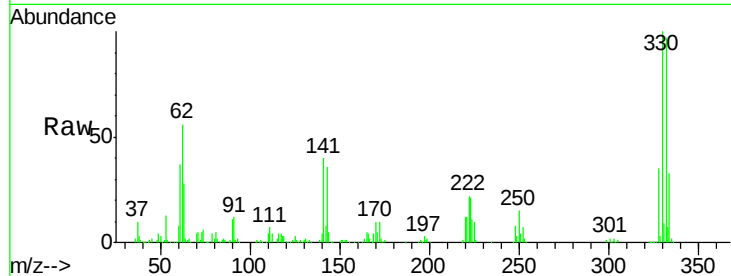
Tot Ion:248 Resp: 19874

Ion Ratio Lower Upper

248 100

250 196.6 76.4 114.6#

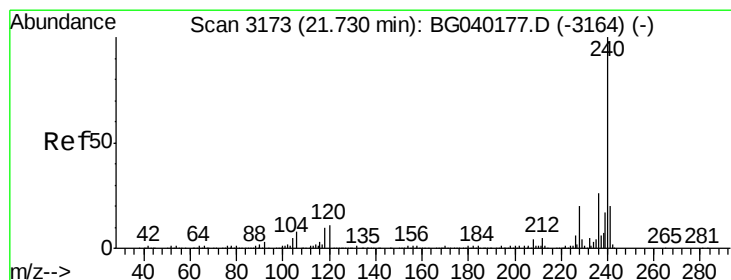
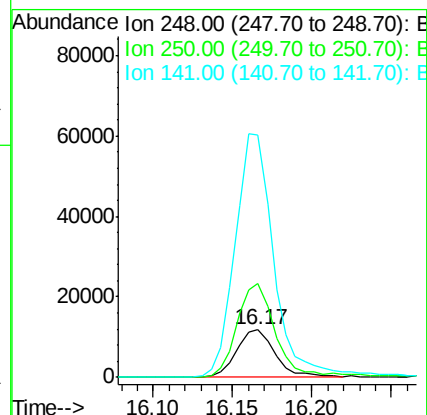
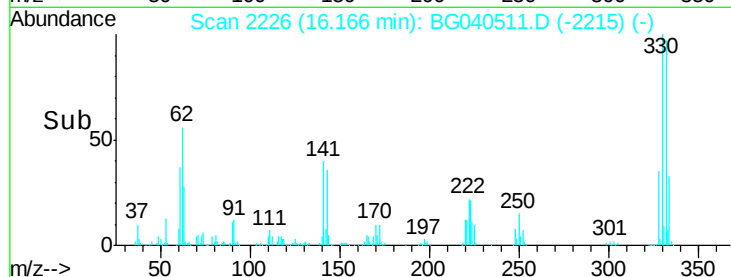
141 511.4 53.8 80.8#



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: 21.69 min Scan# 3166

Delta R.T. -0.04 min

Lab File: BG040511.D

Acq: 16 Apr 2019 20:10

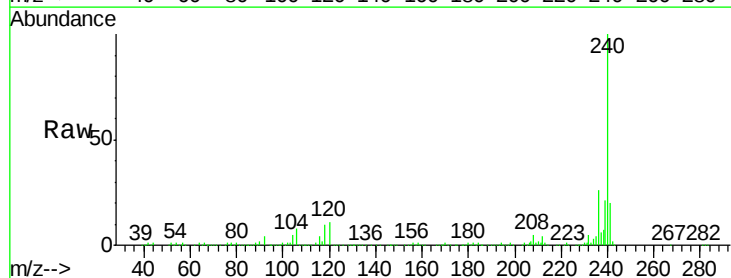
Tgt Ion:240 Resp: 362948

Ion Ratio Lower Upper

240 100

120 11.4 8.4 12.6

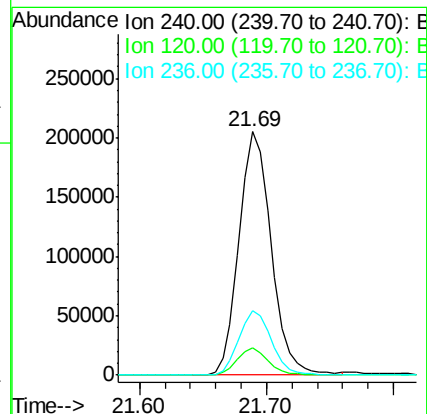
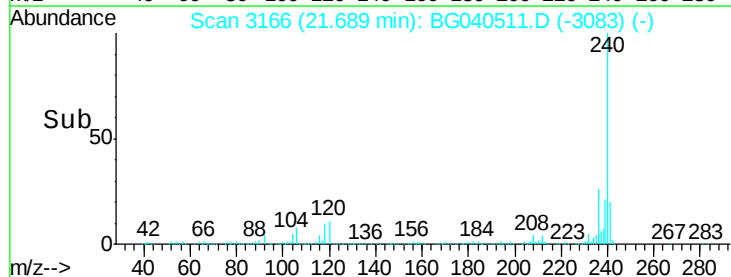
236 26.5 20.8 31.2



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: 91.568 ng

RT: 20.02 min Scan# 2882

Delta R.T. -0.03 min

Lab File: BG040511.D

Acq: 16 Apr 2019 20:10

Instrument :

BNA\_G

ClientSampleId :

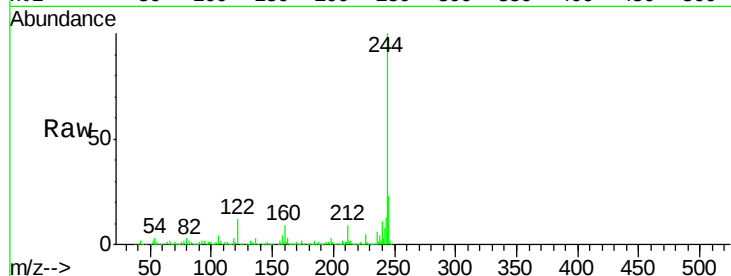
Tot Ion:244 Resp: 1477307

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 9.0   | 7.0   | 10.6  |
| 122 | 11.5  | 8.5   | 12.7  |

244 100

212 9.0 7.0 10.6

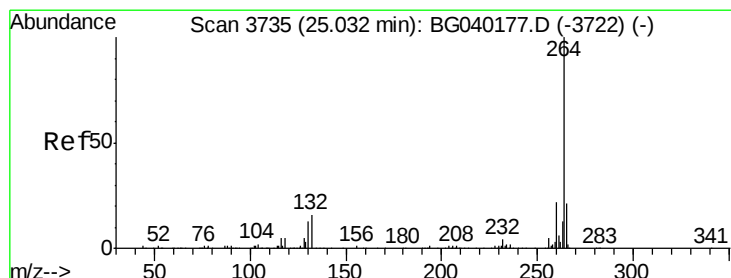
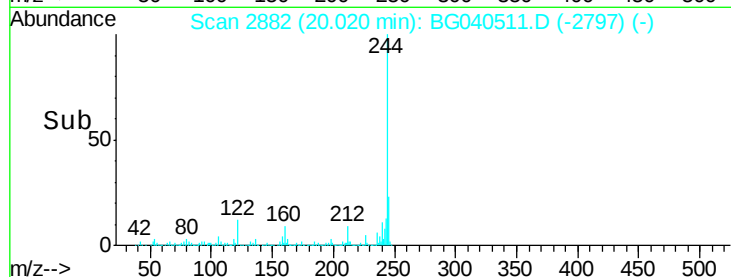
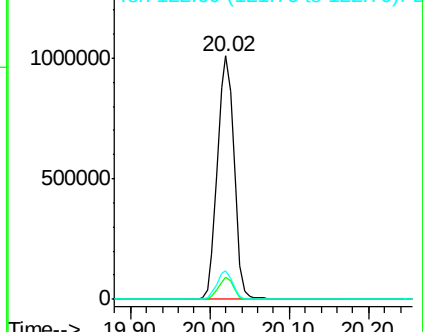
122 11.5 8.5 12.7



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: 24.97 min Scan# 3725

Delta R.T. -0.06 min

Lab File: BG040511.D

Acq: 16 Apr 2019 20:10

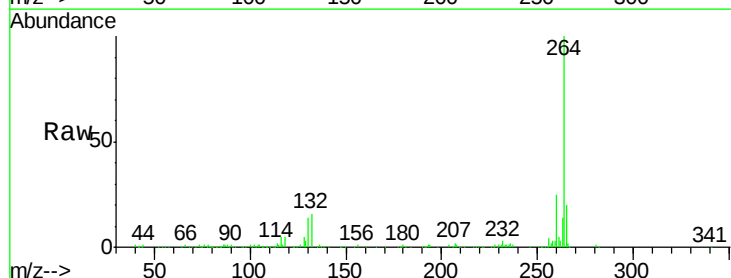
Tgt Ion:264 Resp: 388704

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.5  | 17.9  | 26.9  |
| 265 | 20.4  | 16.8  | 25.2  |

264 100

260 24.5 17.9 26.9

265 20.4 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

