

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083119\  
 Data File : BG042640.D  
 Acq On : 31 Aug 2019 18:25  
 Operator : HP/JU  
 Sample : K4593-01  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Sep 01 00:11:22 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Aug 22 14:29:15 2019  
 Response via : Initial Calibration

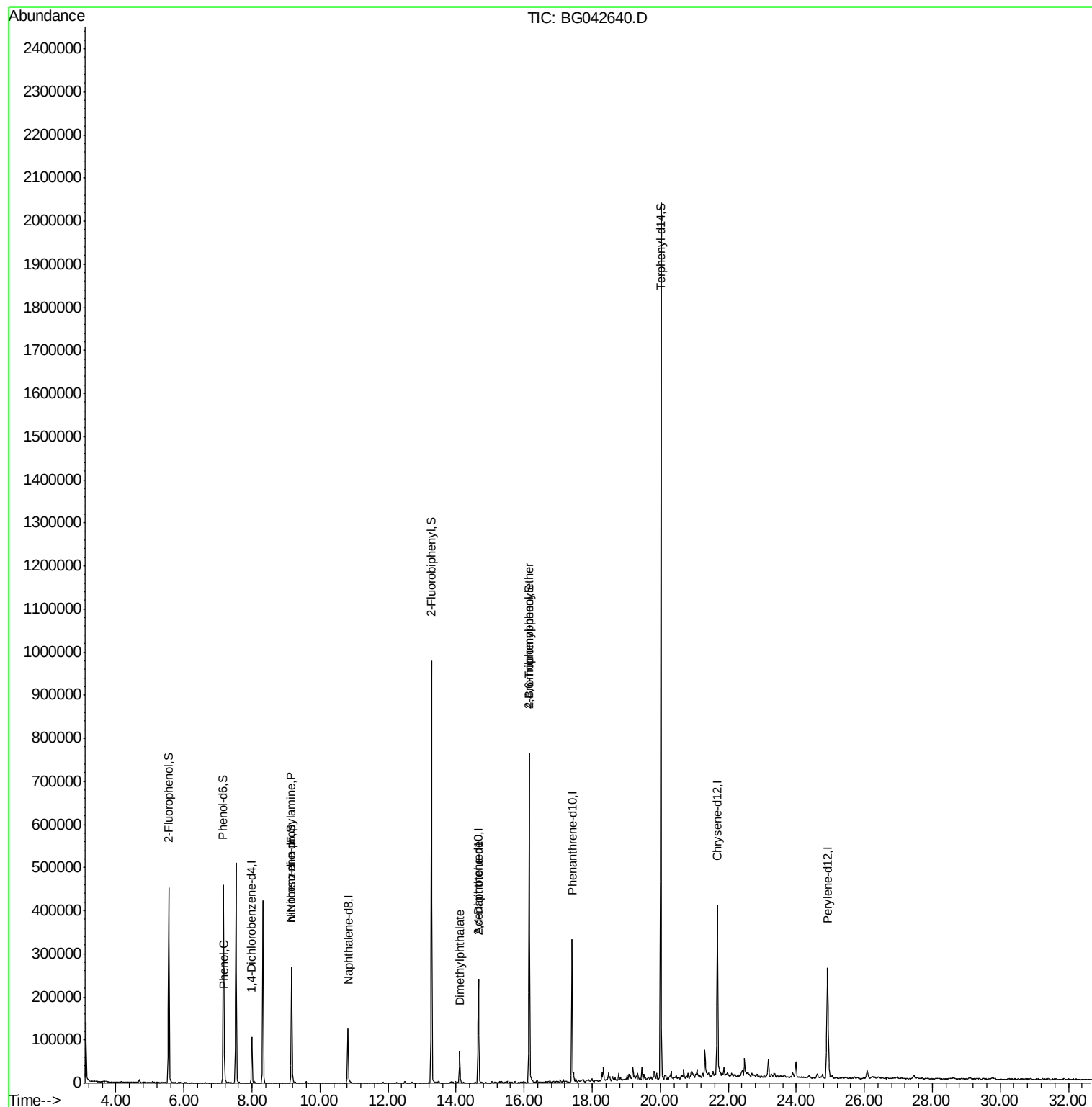
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.99  | 152  | 35294    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 10.82 | 136  | 131907   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.66 | 164  | 98561    | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.41 | 188  | 226489   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12               | 21.68 | 240  | 248034   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12               | 24.92 | 264  | 293391   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.55  | 112  | 232430   | 133.38 | ng    | -0.01    |
| 7) Phenol-d6                   | 7.16  | 99   | 311565   | 132.36 | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 9.16  | 82   | 178106   | 93.31  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 16.15 | 330  | 192977   | 137.75 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 13.28 | 172  | 585963   | 100.55 | ng    | 0.00     |
| 79) Terphenyl-d14              | 20.02 | 244  | 1079106  | 94.06  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.19  | 94   | 16776    | 7.009  | ng    | 83       |
| 19) n-Nitroso-di-n-propylamine | 9.16  | 70   | 23436    | 15.368 | ng    | # 75     |
| 50) Dimethylphthalate          | 14.10 | 163  | 65604    | 9.225  | ng    | 98       |
| 57) 2,4-Dinitrotoluene         | 14.66 | 165  | 13022    | 5.517  | ng    | # 38     |
| 67) 4-Bromophenyl-phenylether  | 16.15 | 248  | 13106    | 4.562  | ng    | # 1      |

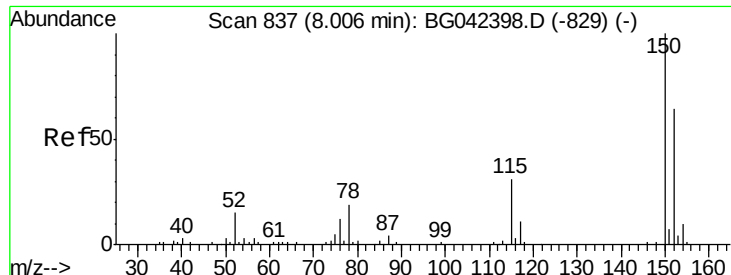
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083119\  
Data File : BG042640.D  
Acq On : 31 Aug 2019 18:25  
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Sample : K4593-01  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :

Quant Time: Sep 01 00:11:22 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082219.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 22 14:29:15 2019  
Response via : Initial Calibration



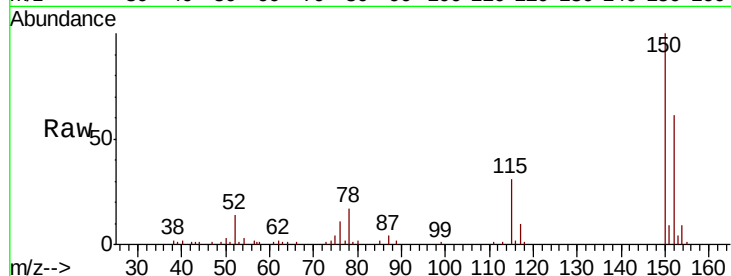


#1

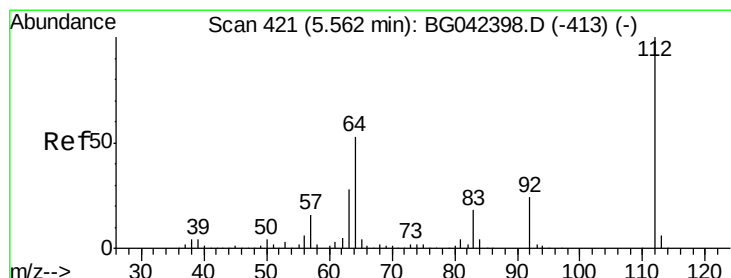
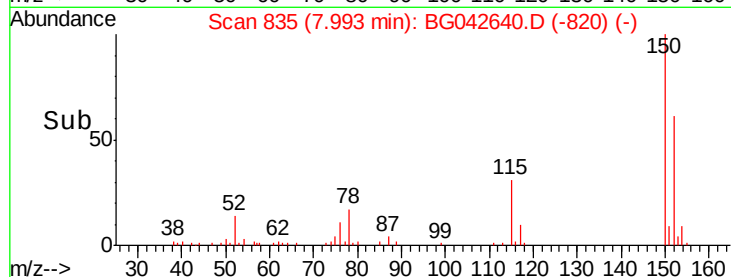
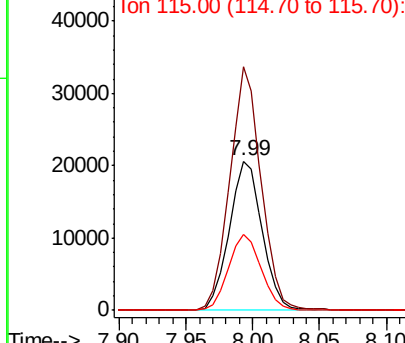
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.99 min Scan# 835  
Delta R.T. -0.01 min  
Lab File: BG042640.D  
Acq: 31 Aug 2019 18:25

Instrument :  
BNA\_G  
ClientSampled :

Tot Ion:152 Resp: 35294  
Ion Ratio Lower Upper  
152 100  
150 163.5 125.4 188.0  
115 51.4 38.5 57.7



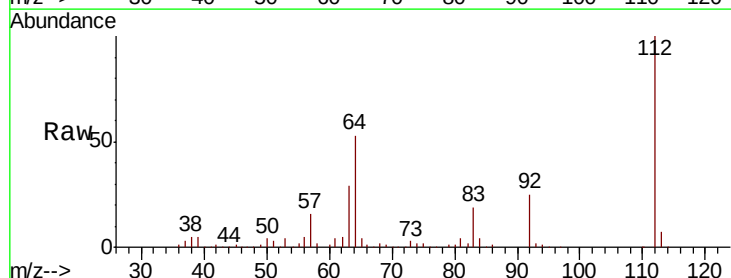
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



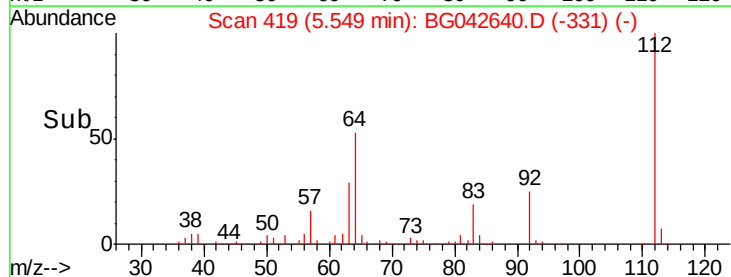
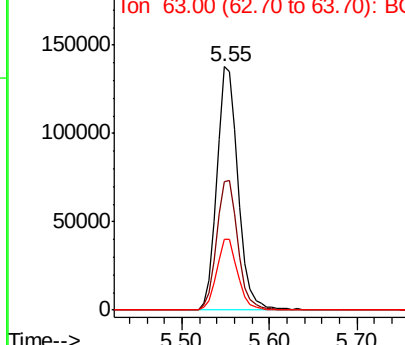
#5

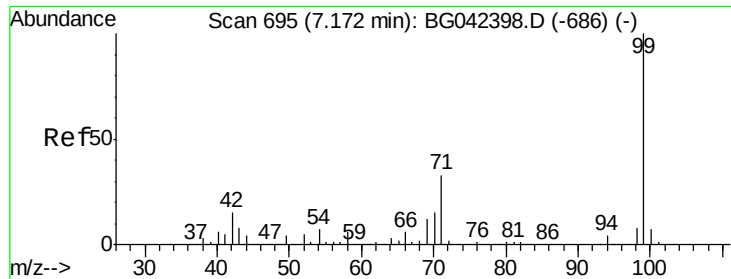
2-Fluorophenol  
Concen: 133.376 ng  
RT: 5.55 min Scan# 419  
Delta R.T. -0.01 min  
Lab File: BG042640.D  
Acq: 31 Aug 2019 18:25

Tgt Ion:112 Resp: 232430  
Ion Ratio Lower Upper  
112 100  
64 52.7 42.8 64.2  
63 29.3 22.7 34.1



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: 132.359 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.01 min

Lab File: BG042640.D

Acq: 31 Aug 2019 18:25

Instrument :

BNA\_G

ClientSampled :

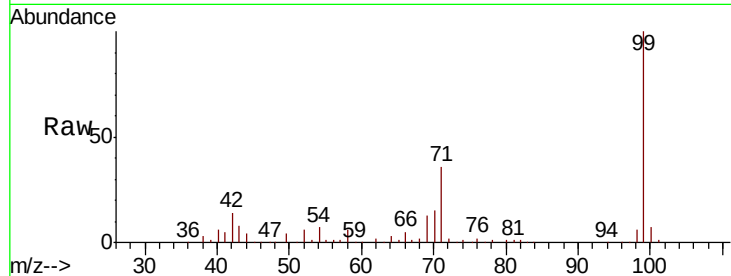
Tot Ion: 99 Resp: 311565

Ion Ratio Lower Upper

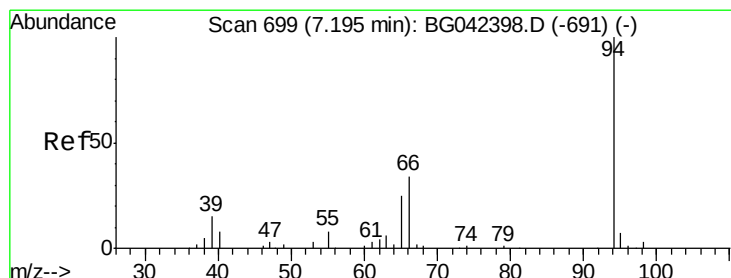
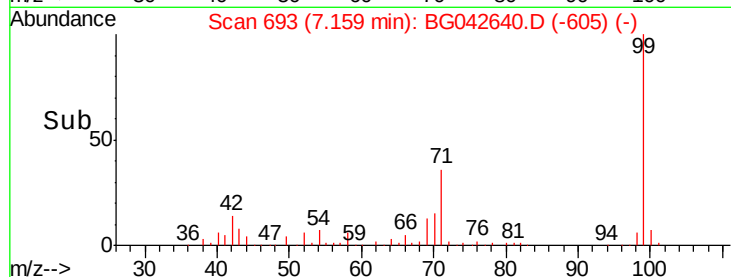
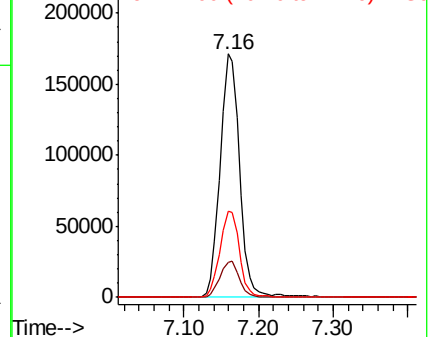
99 100

42 14.5 12.0 18.0

71 35.6 26.3 39.5



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



#10

Phenol

Concen: 7.009 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG042640.D

Acq: 31 Aug 2019 18:25

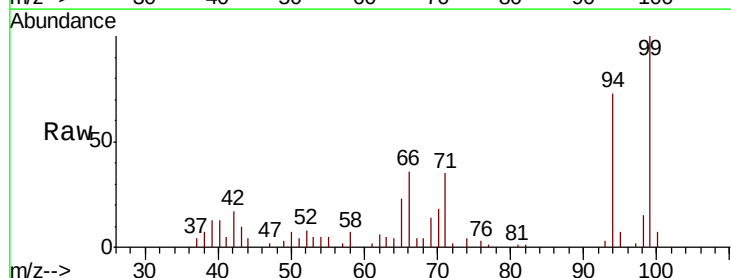
Tgt Ion: 94 Resp: 16776

Ion Ratio Lower Upper

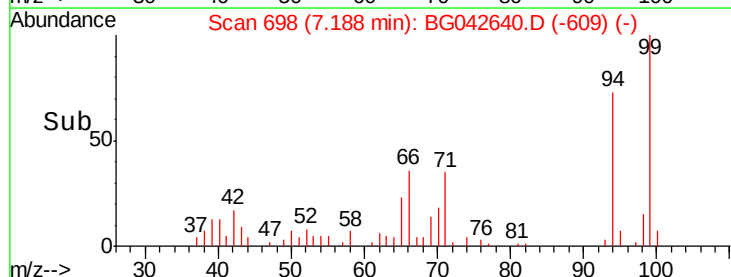
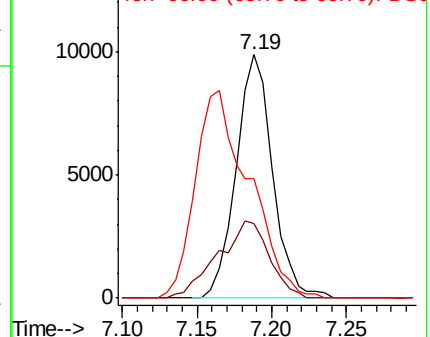
94 100

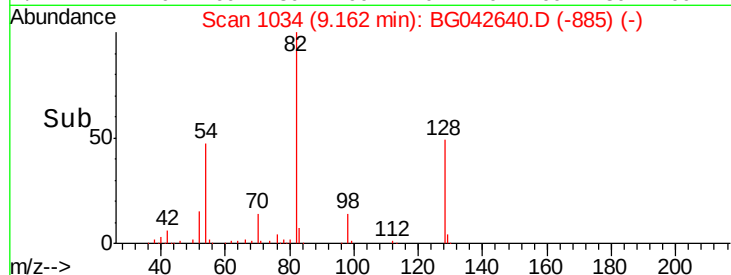
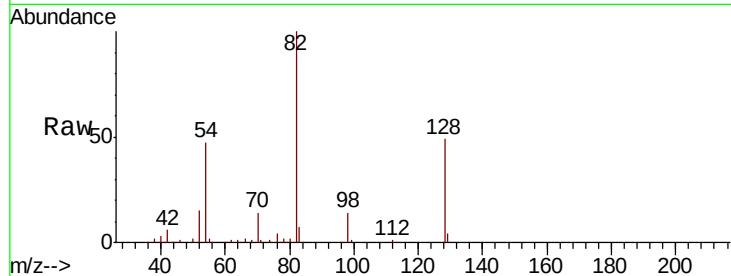
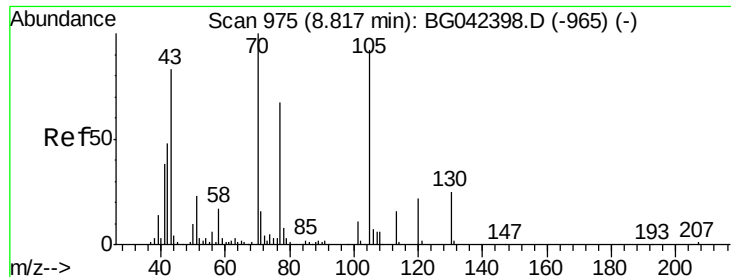
65 30.8 5.6 45.6

66 49.0 16.0 56.0



Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC

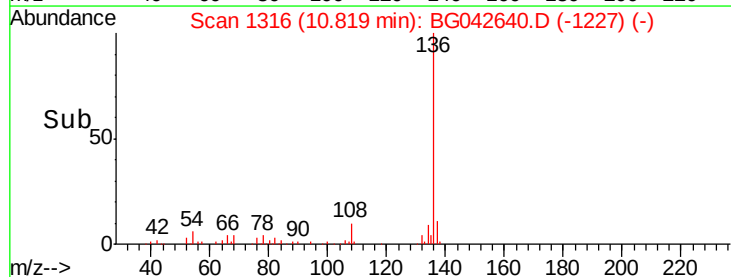
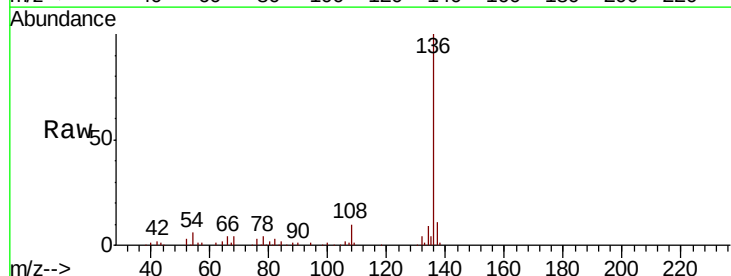
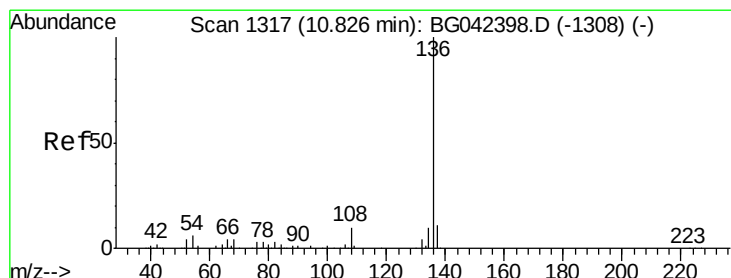
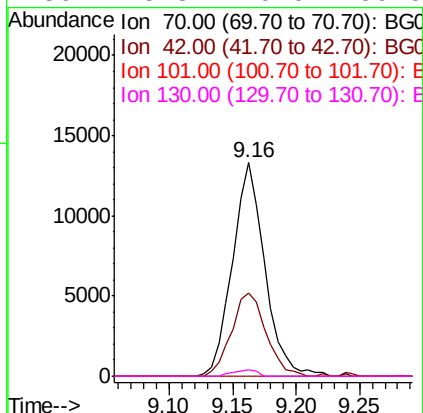




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.368 ng  
RT: 9.16 min Scan# 1034  
Delta R.T. 0.35 min  
Lab File: BG042640.D  
Acq: 31 Aug 2019 18:25

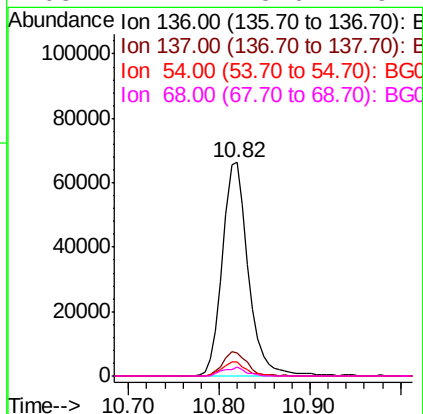
Instrument :  
BNA\_G  
ClientSampleId :

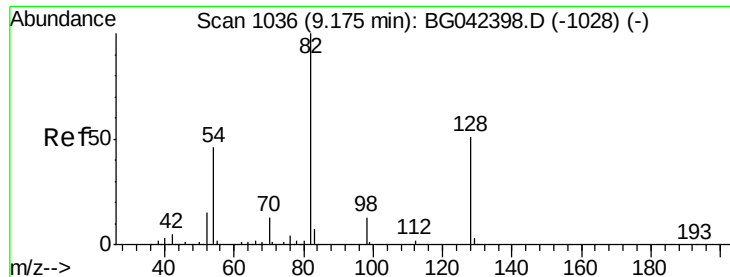
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 70    | Resp: | 23436 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 39.2  | 38.8  | 58.2  |
| 101      | 0.0   | 9.0   | 13.6# |
| 130      | 3.3   | 20.0  | 30.0# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.82 min Scan# 1316  
Delta R.T. -0.01 min  
Lab File: BG042640.D  
Acq: 31 Aug 2019 18:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 131907 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.7   | 13.1   |
| 54       | 6.5   | 4.9   | 7.3    |
| 68       | 4.4   | 3.6   | 5.4    |

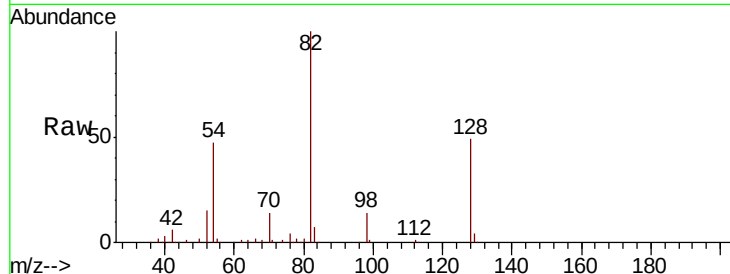




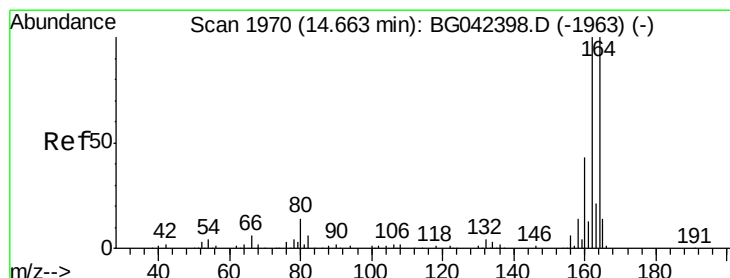
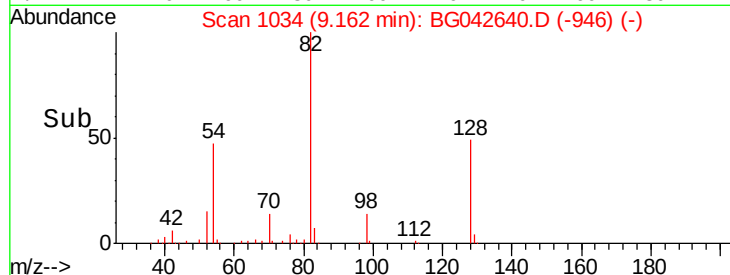
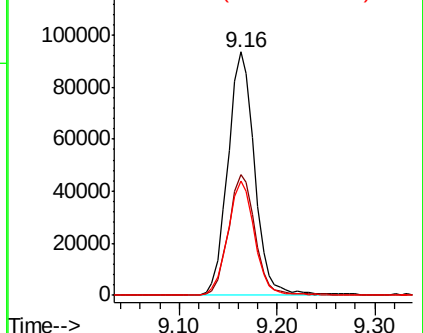
#23  
 Nitrobenzene-d5  
 Concen: 93.307 ng  
 RT: 9.16 min Scan# 1034  
 Delta R.T. -0.01 min  
 Lab File: BG042640.D  
 Acq: 31 Aug 2019 18:25

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion   | 82    | Resp  | 178106 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 49.4  | 40.7  | 61.1   |
| 54        | 47.2  | 36.3  | 54.5   |

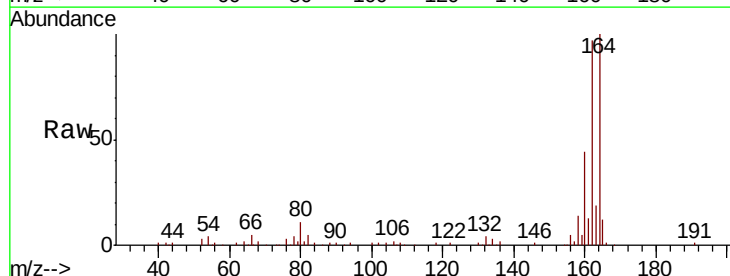


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

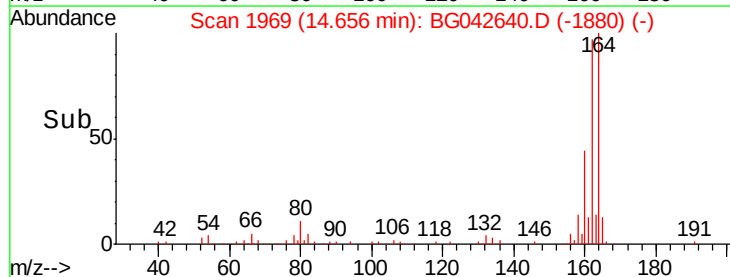
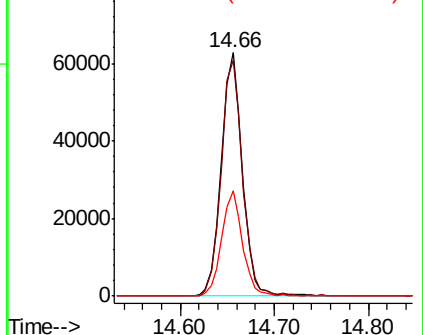


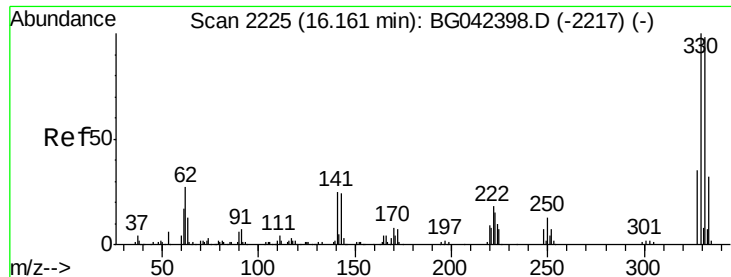
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.66 min Scan# 1969  
 Delta R.T. -0.01 min  
 Lab File: BG042640.D  
 Acq: 31 Aug 2019 18:25

| Tgt Ion   | 164   | Resp  | 98561 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 96.7  | 79.9  | 119.9 |
| 160       | 43.5  | 34.3  | 51.5  |



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





#42

2,4,6-Tribromophenol

Concen: 137.754 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.01 min

Lab File: BG042640.D

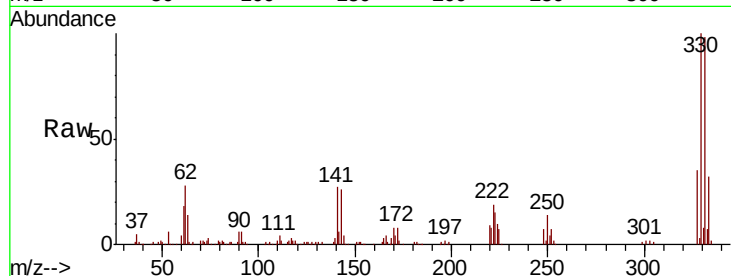
Acq: 31 Aug 2019 18:25

Instrument :

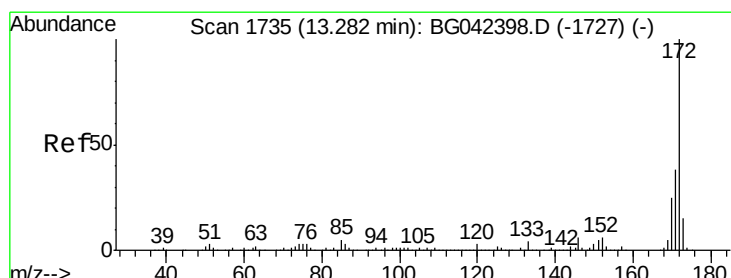
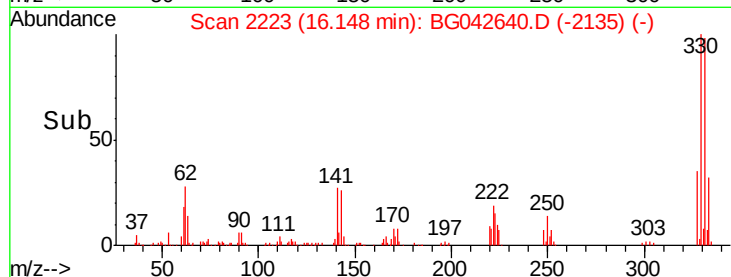
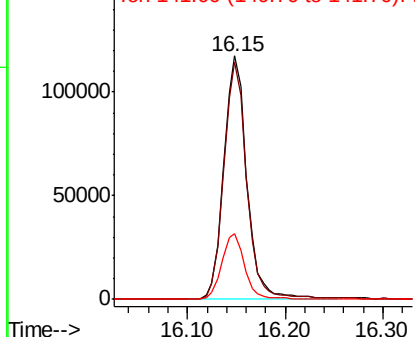
BNA\_G

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 330   | Resp: | 192977 |
| Ion      | Ratio | Lower | Upper  |
| 330      | 100   |       |        |
| 332      | 96.5  | 77.4  | 116.0  |
| 141      | 27.1  | 21.4  | 32.0   |



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: 100.550 ng

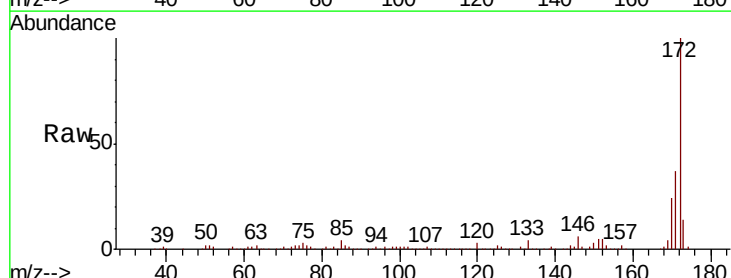
RT: 13.28 min Scan# 1734

Delta R.T. -0.01 min

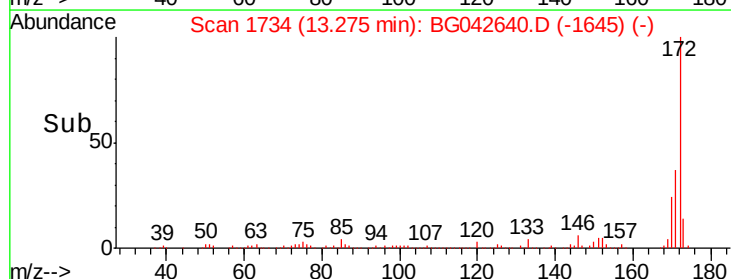
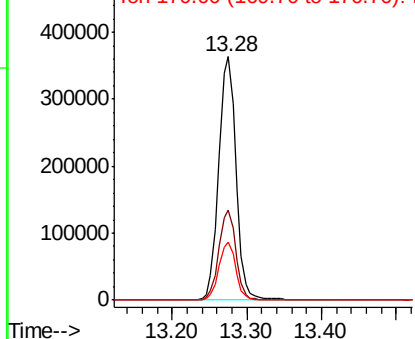
Lab File: BG042640.D

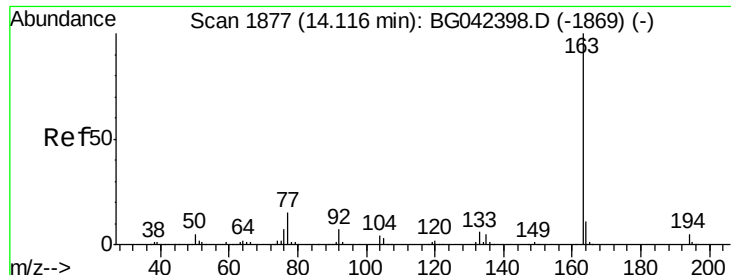
Acq: 31 Aug 2019 18:25

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 172   | Resp: | 585963 |
| Ion      | Ratio | Lower | Upper  |
| 172      | 100   |       |        |
| 171      | 37.0  | 30.5  | 45.7   |
| 170      | 23.9  | 20.2  | 30.2   |



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

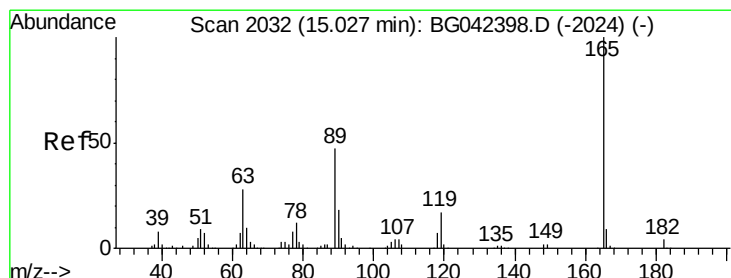
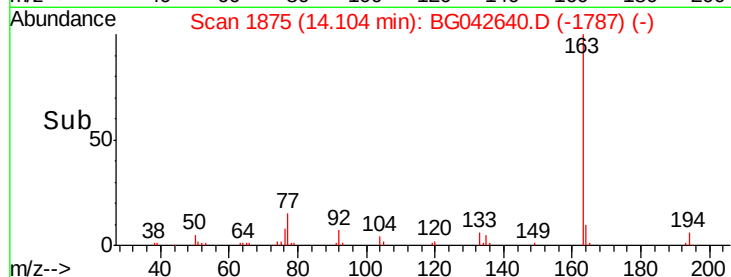
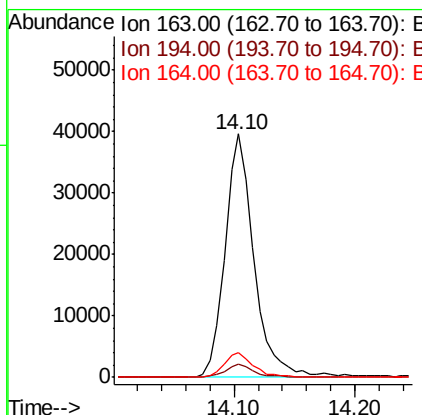
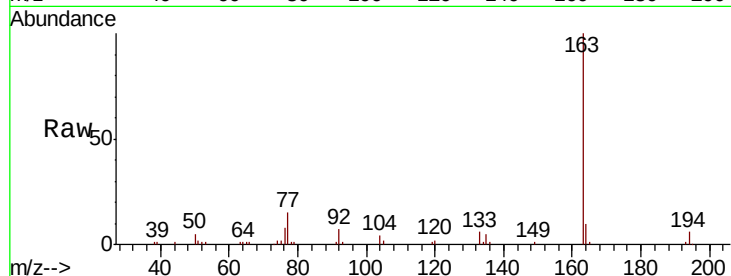




#50  
Dimethylphthalate  
Concen: 9.225 ng  
RT: 14.10 min Scan# 1875  
Delta R.T. -0.01 min  
Lab File: BG042640.D  
Acq: 31 Aug 2019 18:25

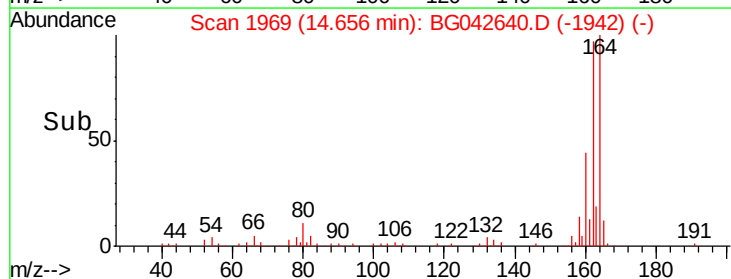
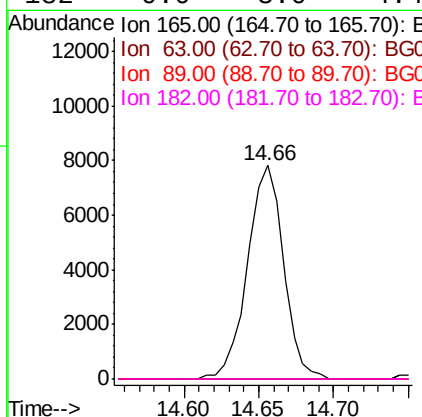
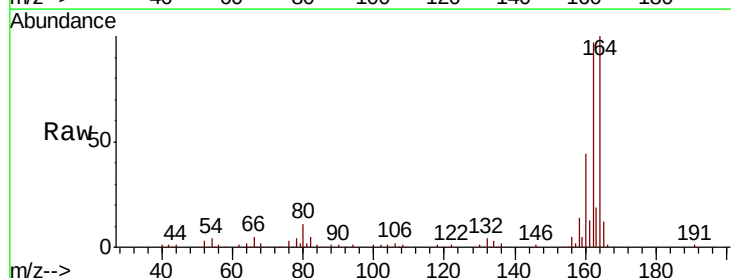
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:163 Resp: 65604  
Ion Ratio Lower Upper  
163 100  
194 5.5 4.2 6.2  
164 10.0 8.8 13.2

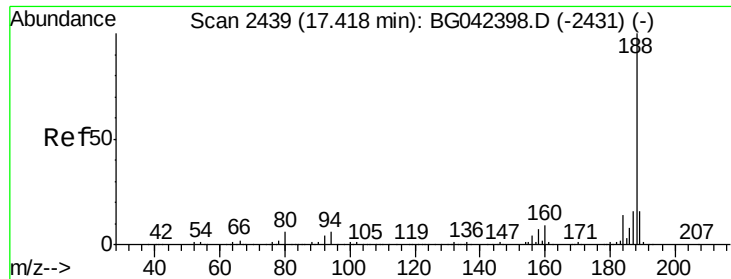


#57  
2,4-Dinitrotoluene  
Concen: 5.517 ng  
RT: 14.66 min Scan# 1969  
Delta R.T. -0.37 min  
Lab File: BG042640.D  
Acq: 31 Aug 2019 18:25

Tgt Ion:165 Resp: 13022  
Ion Ratio Lower Upper  
165 100  
63 0.0 22.5 33.7#  
89 0.0 37.8 56.6#  
182 0.0 3.0 4.4#







#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2437

Delta R.T. -0.01 min

Lab File: BG042640.D

Acq: 31 Aug 2019 18:25

Instrument :

BNA\_G

ClientSampleId :

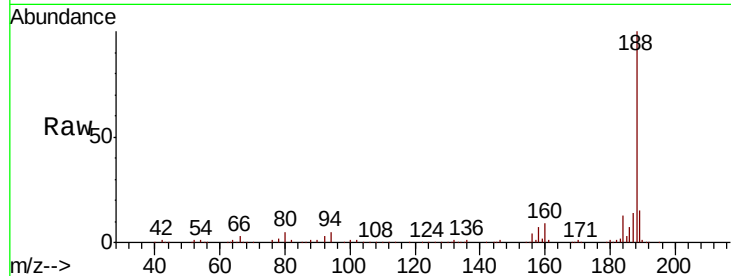
Tot Ion:188 Resp: 226489

Ion Ratio Lower Upper

188 100

94 5.1 4.5 6.7

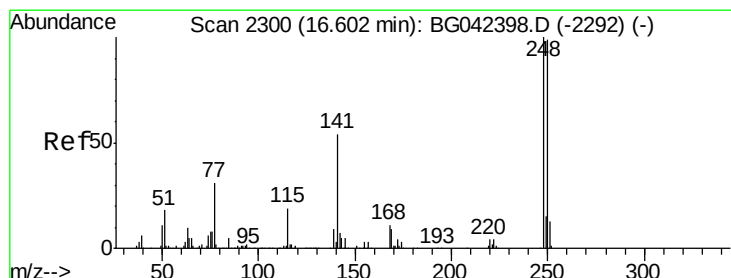
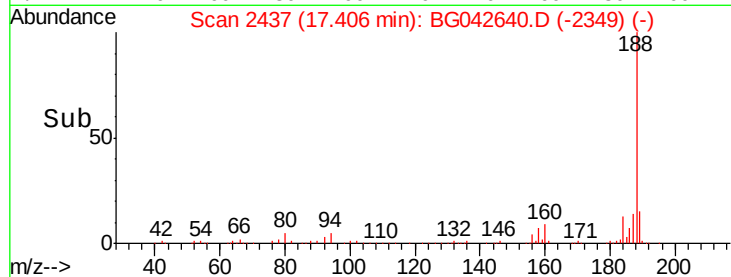
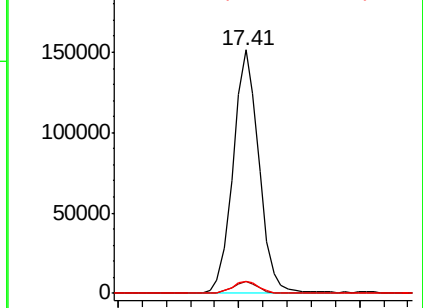
80 4.7 4.9 7.3#



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: 4.562 ng

RT: 16.15 min Scan# 2223

Delta R.T. -0.45 min

Lab File: BG042640.D

Acq: 31 Aug 2019 18:25

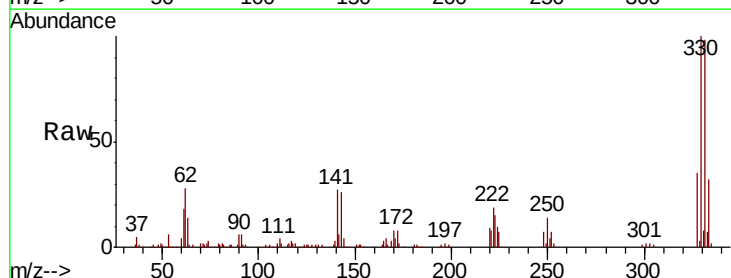
Tgt Ion:248 Resp: 13106

Ion Ratio Lower Upper

248 100

250 199.4 78.9 118.3#

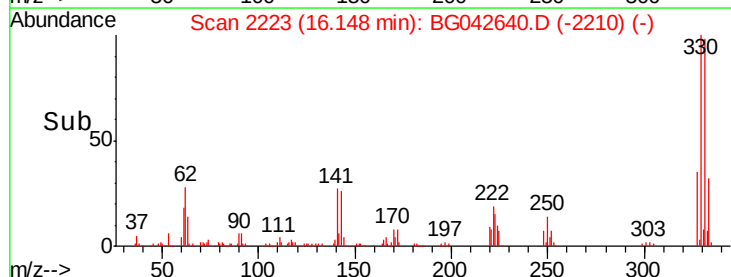
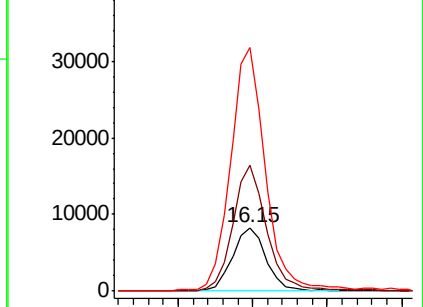
141 384.8 43.3 64.9#

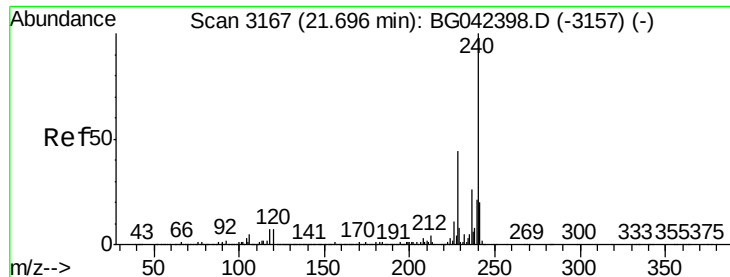


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

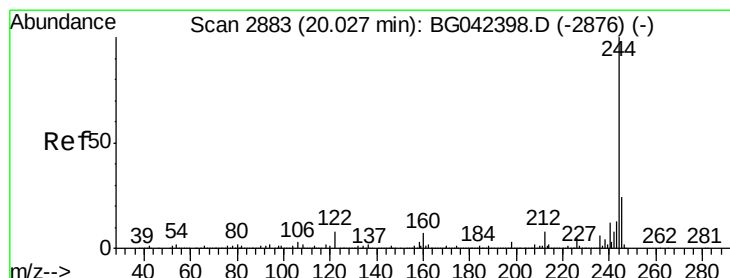
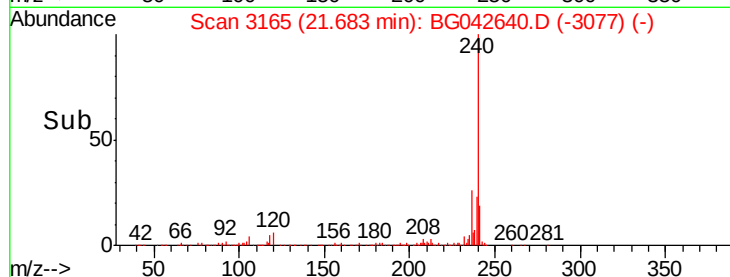
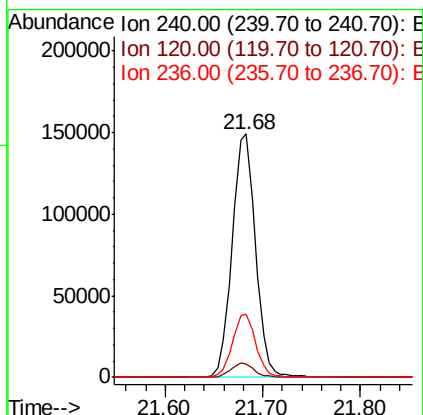
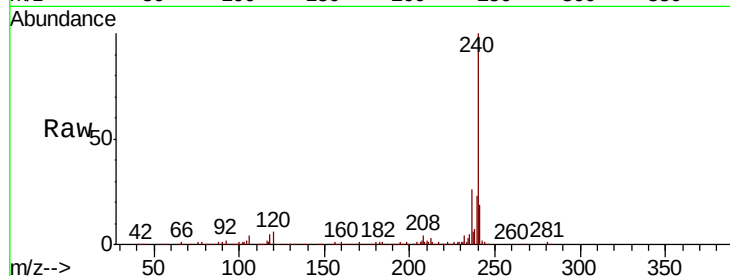




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.68 min Scan# 3165  
Delta R.T. -0.01 min  
Lab File: BG042640.D  
Acq: 31 Aug 2019 18:25

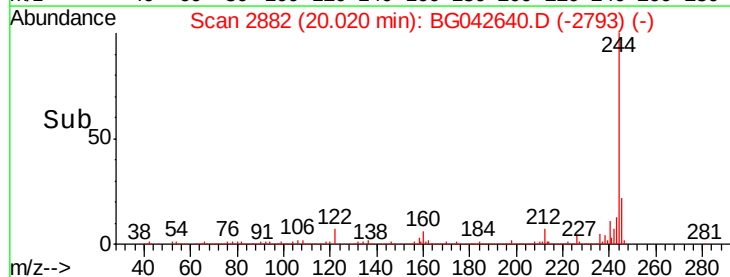
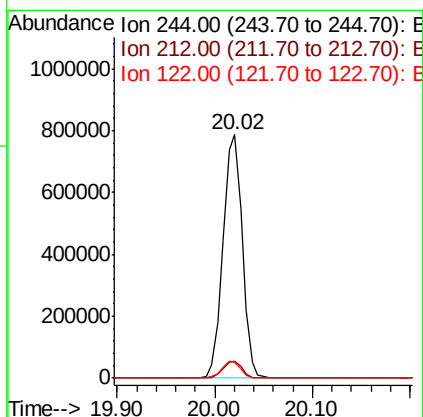
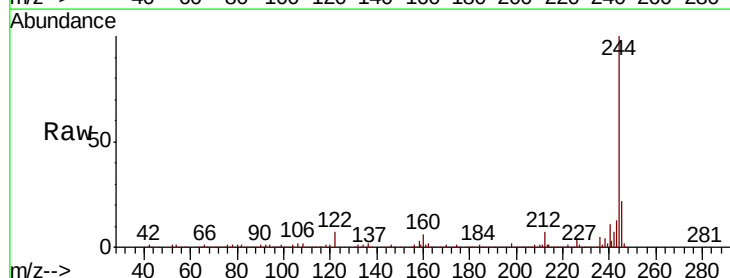
Instrument :  
BNA\_G  
ClientSampleId :

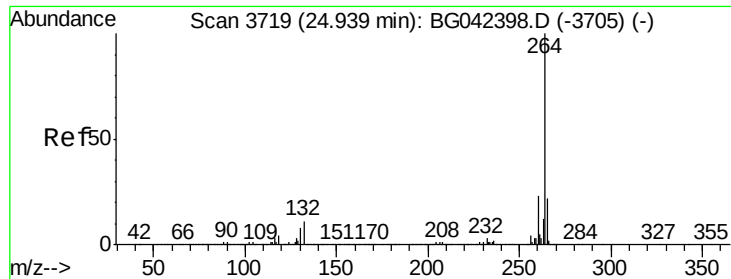
Tot Ion:240 Resp: 248034  
Ion Ratio Lower Upper  
240 100  
120 5.7 5.7 8.5#  
236 25.8 21.0 31.4



#79  
Terphenyl-d14  
Concen: 94.057 ng  
RT: 20.02 min Scan# 2882  
Delta R.T. -0.01 min  
Lab File: BG042640.D  
Acq: 31 Aug 2019 18:25

Tgt Ion:244 Resp: 1079106  
Ion Ratio Lower Upper  
244 100  
212 7.0 6.0 9.0  
122 6.7 6.7 10.1#





#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 24.92 min Scan# 3716  
 Delta R.T. -0.02 min  
 Lab File: BG042640.D  
 Acq: 31 Aug 2019 18:25

Instrument :  
 BNA\_G  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.8  | 18.5  | 27.7  |
| 265     | 21.3  | 17.6  | 26.4  |

