

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083019\  
 Data File : BG042610.D  
 Acq On : 30 Aug 2019 21:16  
 Operator : HP/JU  
 Sample : K4409-19  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :

Quant Time: Aug 30 23:15:09 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

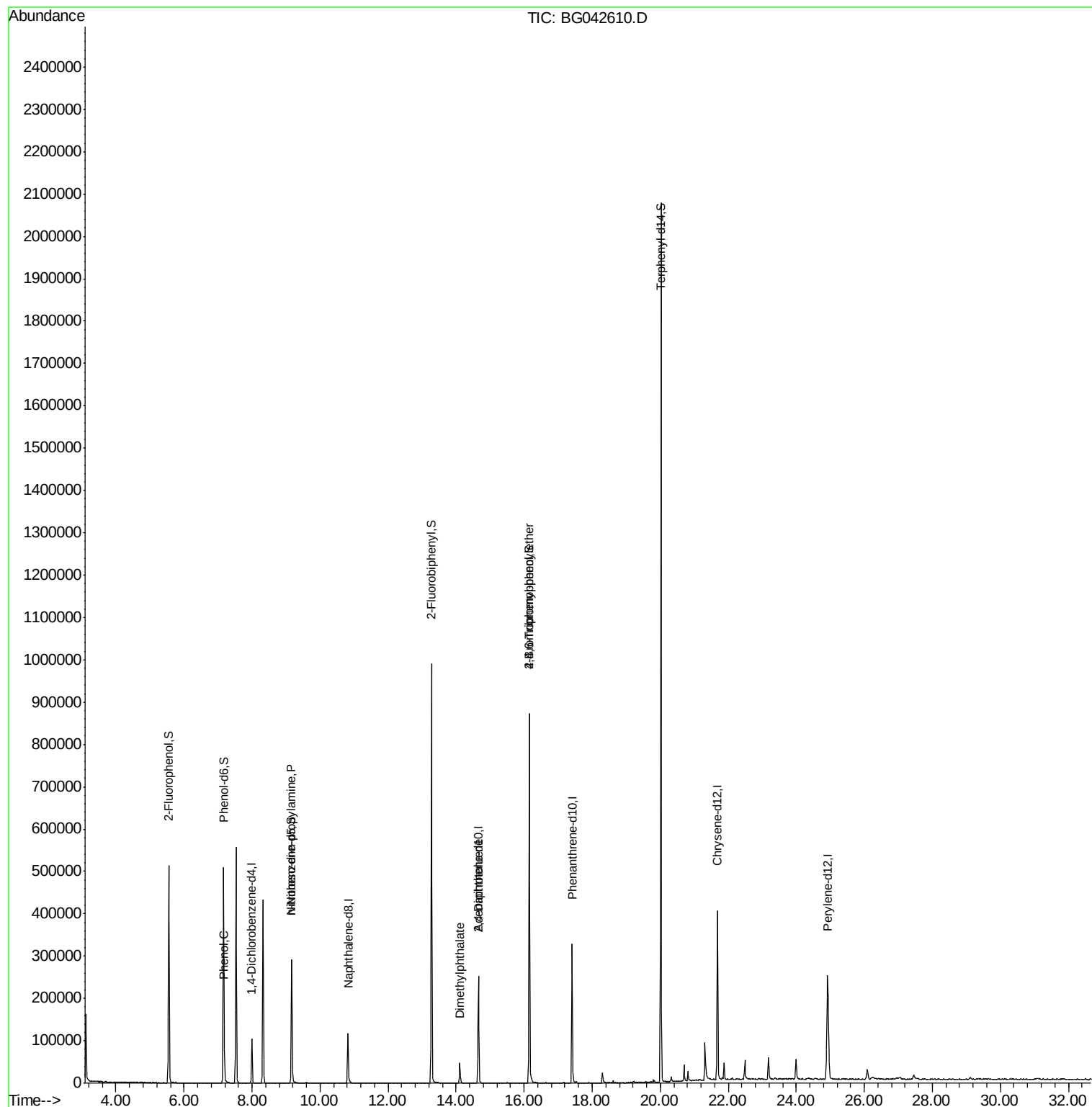
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 8.00  | 152  | 35082    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.82 | 136  | 134248   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.66 | 164  | 102462   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.41 | 188  | 248469   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12               | 21.68 | 240  | 261832   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12               | 24.92 | 264  | 308143   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.55  | 112  | 254958   | 147.19 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.16  | 99   | 339223   | 144.98 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.16  | 82   | 192234   | 98.95  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 16.15 | 330  | 225922   | 155.13 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 13.28 | 172  | 598091   | 98.72  | ng    | 0.00     |
| 79) Terphenyl-d14              | 20.02 | 244  | 1068788  | 88.25  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.19  | 94   | 23174    | 9.741  | ng    | 81       |
| 19) n-Nitroso-di-n-propylamine | 9.17  | 70   | 25784    | 17.010 | ng    | # 73     |
| 50) Dimethylphthalate          | 14.11 | 163  | 50507    | 6.832  | ng    | 98       |
| 57) 2,4-Dinitrotoluene         | 14.66 | 165  | 13519    | 5.509  | ng    | # 38     |
| 67) 4-Bromophenyl-phenylether  | 16.15 | 248  | 14959    | 4.746  | ng    | # 1      |

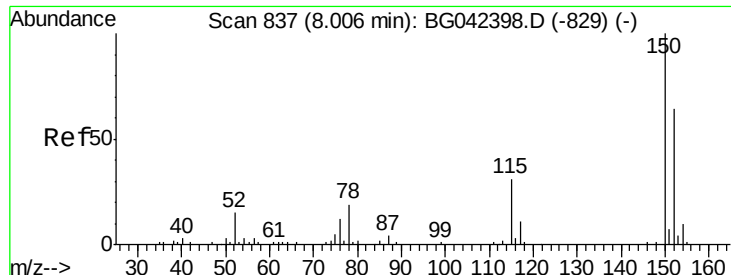
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083019\  
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Misc :  
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BNA\_G  
ClientSampleId :

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Aug 22 14:29:15 2019  
Response via : Initial Calibration



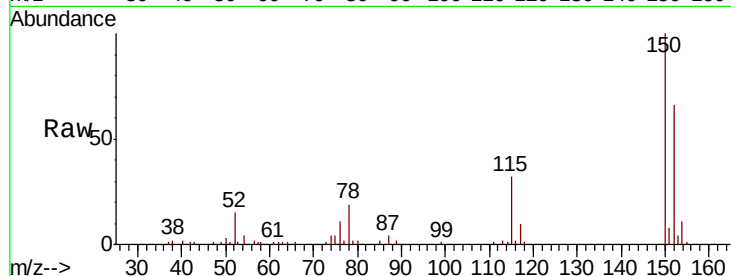


#1

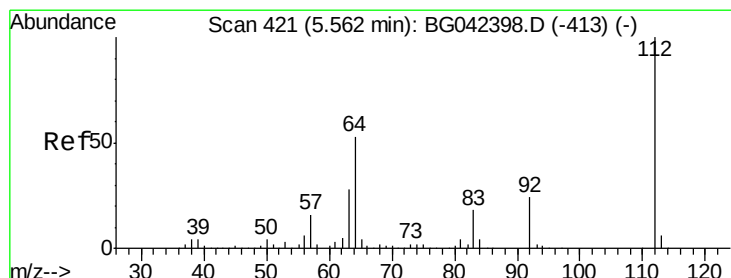
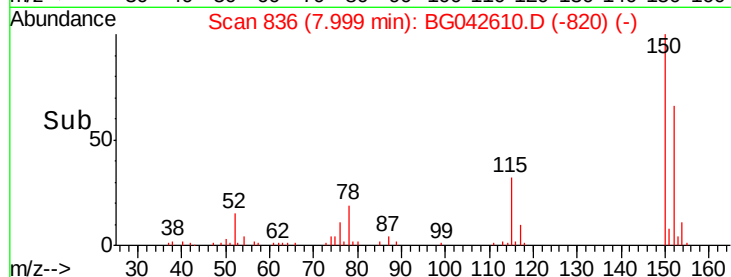
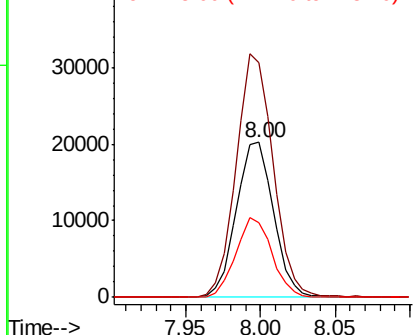
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.00 min Scan# 836  
Delta R.T. -0.01 min  
Lab File: BG042610.D  
Acq: 30 Aug 2019 21:16

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:152 Resp: 35082  
Ion Ratio Lower Upper  
152 100  
150 151.8 125.4 188.0  
115 48.2 38.5 57.7



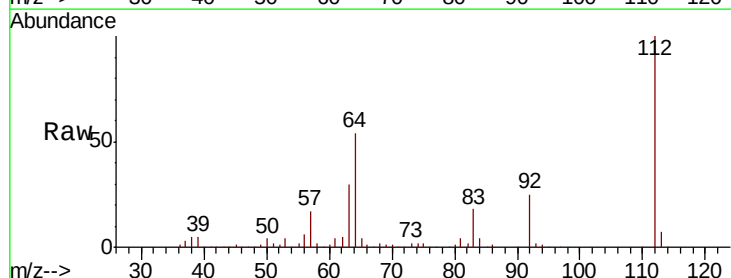
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



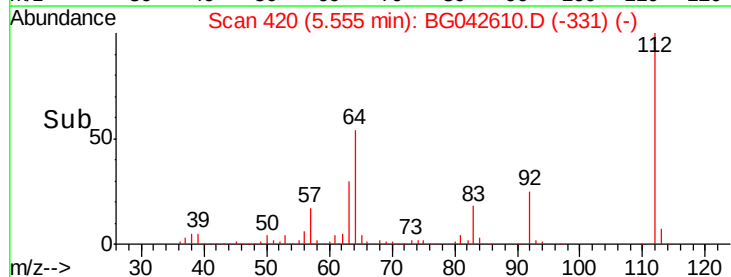
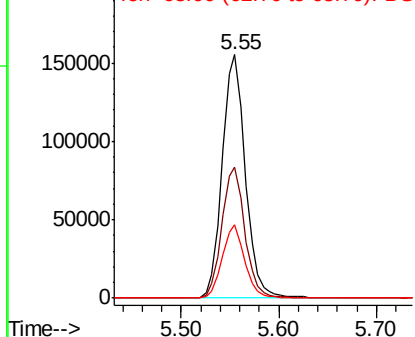
#5

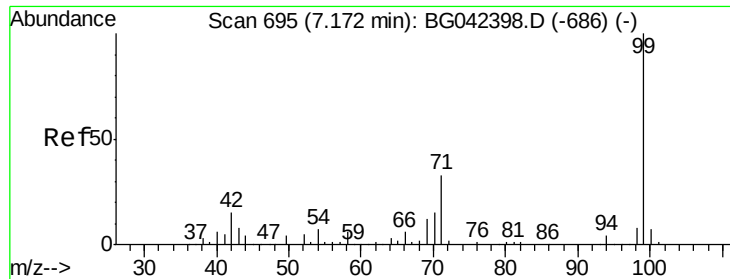
2-Fluorophenol  
Concen: 147.188 ng  
RT: 5.55 min Scan# 420  
Delta R.T. -0.01 min  
Lab File: BG042610.D  
Acq: 30 Aug 2019 21:16

Tgt Ion:112 Resp: 254958  
Ion Ratio Lower Upper  
112 100  
64 53.9 42.8 64.2  
63 30.2 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: 144.979 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG042610.D

Acq: 30 Aug 2019 21:16

Instrument :

BNA\_G

ClientSampled :

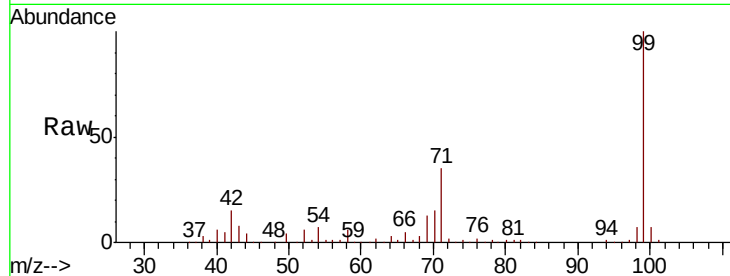
Tot Ion: 99 Resp: 339223

Ion Ratio Lower Upper

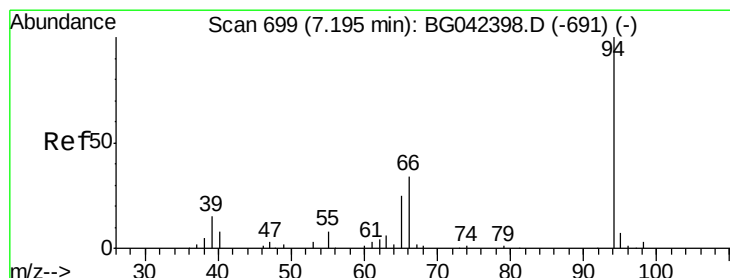
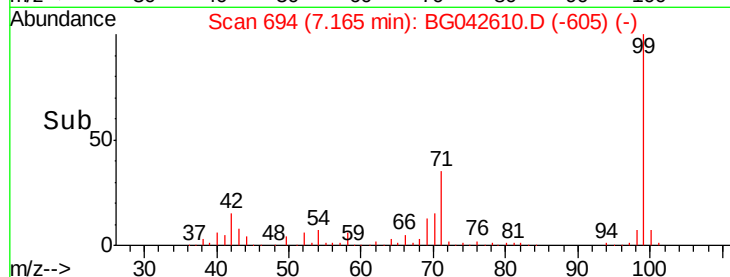
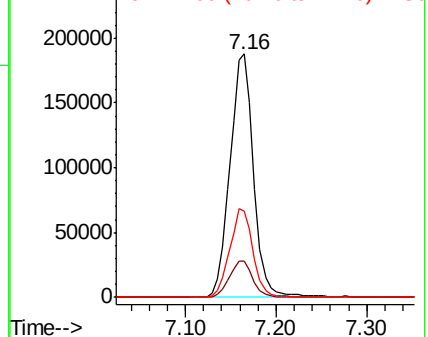
99 100

42 14.8 12.0 18.0

71 35.4 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: 9.741 ng

RT: 7.19 min Scan# 698

Delta R.T. -0.01 min

Lab File: BG042610.D

Acq: 30 Aug 2019 21:16

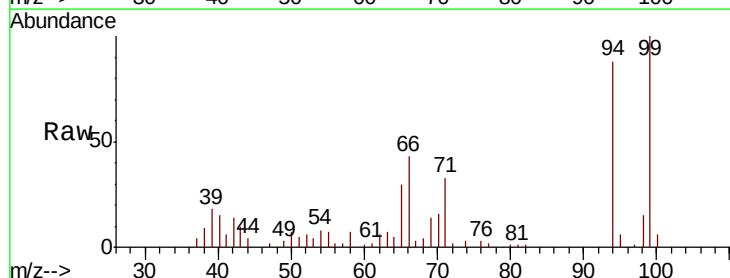
Tgt Ion: 94 Resp: 23174

Ion Ratio Lower Upper

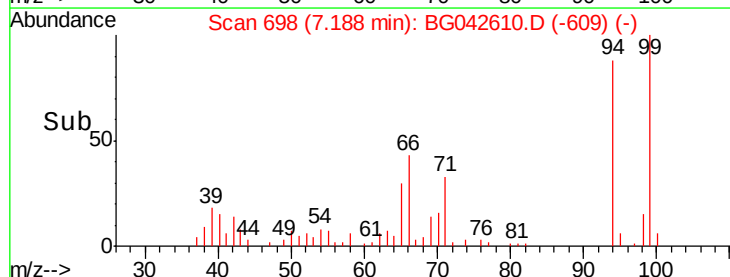
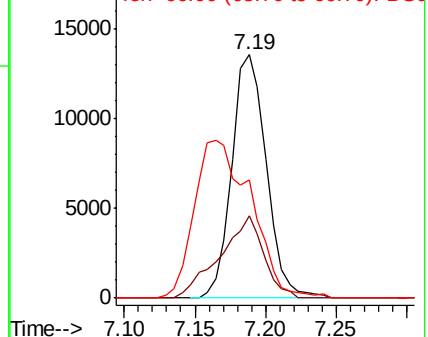
94 100

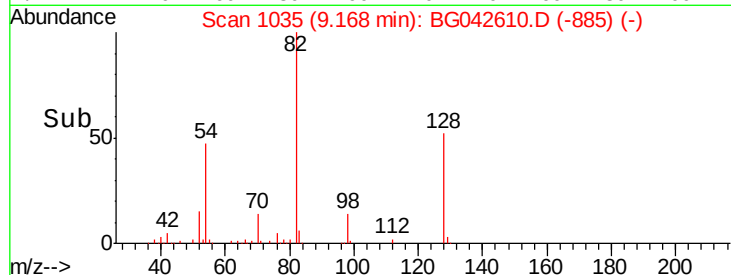
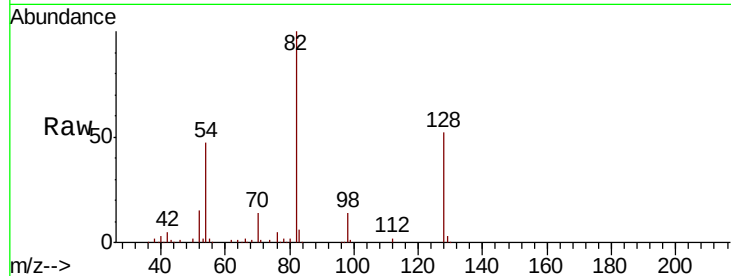
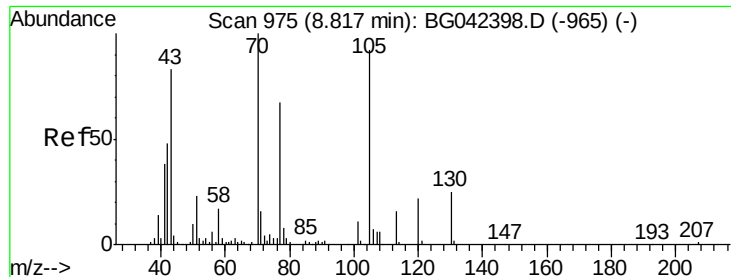
65 33.6 5.6 45.6

66 48.7 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

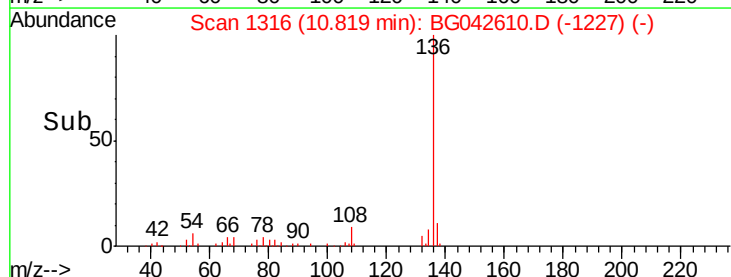
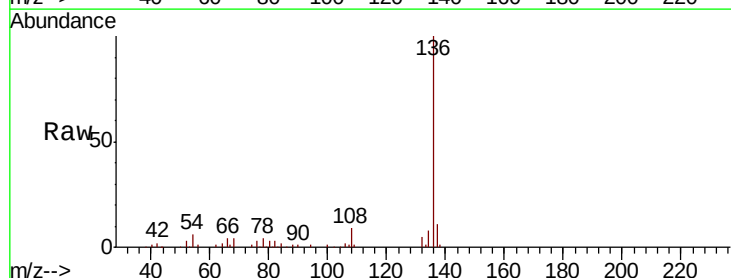
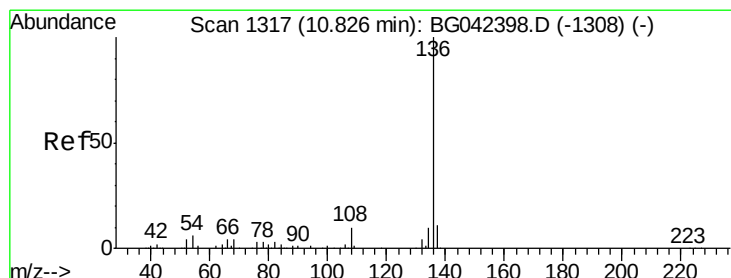
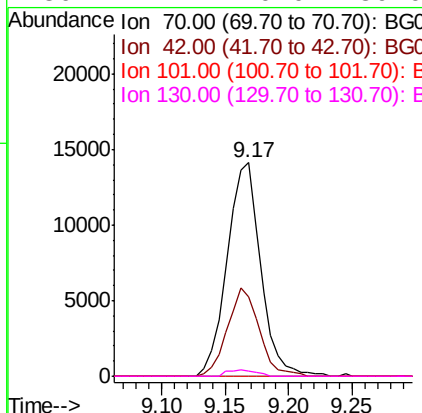




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.010 ng  
RT: 9.17 min Scan# 1035  
Delta R.T. 0.35 min  
Lab File: BG042610.D  
Acq: 30 Aug 2019 21:16

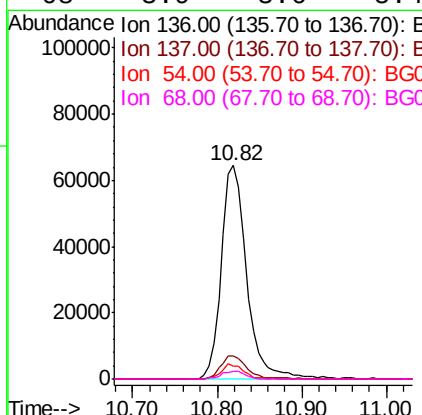
Instrument :  
BNA\_G  
ClientSampleId :

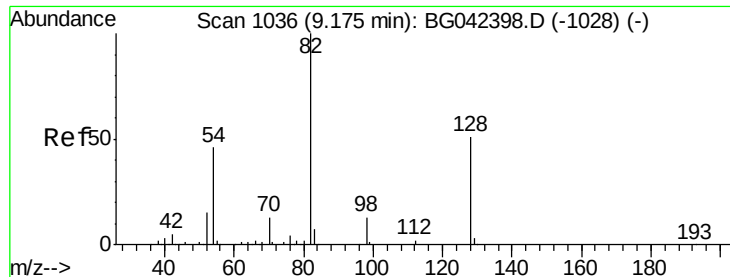
Tot Ion: 70 Resp: 25784  
Ion Ratio Lower Upper  
70 100  
42 37.0 38.8 58.2#  
101 0.0 9.0 13.6#  
130 2.4 20.0 30.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.82 min Scan# 1316  
Delta R.T. -0.01 min  
Lab File: BG042610.D  
Acq: 30 Aug 2019 21:16

Tgt Ion: 136 Resp: 134248  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.7 13.1  
54 5.9 4.9 7.3  
68 3.9 3.6 5.4

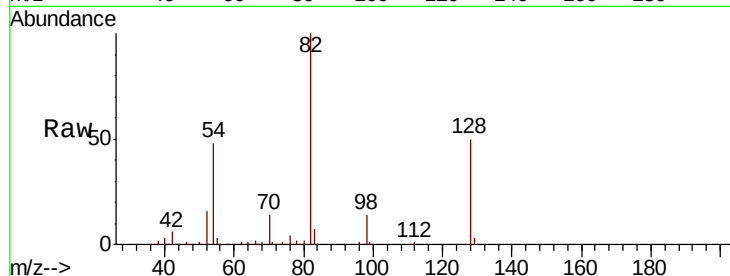




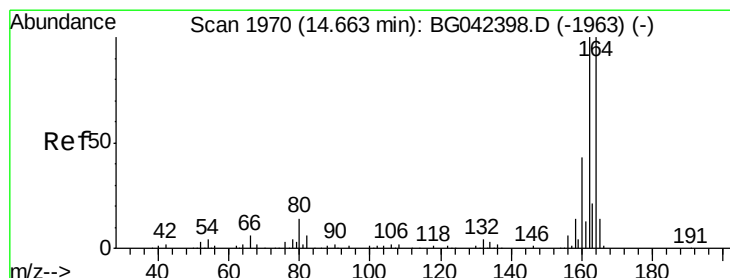
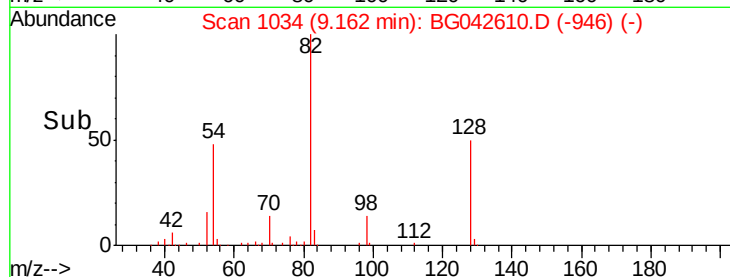
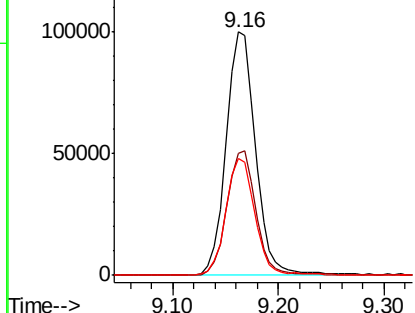
#23  
Nitrobenzene-d5  
Concen: 98.952 ng  
RT: 9.16 min Scan# 1034  
Delta R.T. -0.01 min  
Lab File: BG042610.D  
Acq: 30 Aug 2019 21:16

Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion: 82 Resp: 192234  
Ion Ratio Lower Upper  
82 100  
128 50.3 40.7 61.1  
54 48.1 36.3 54.5

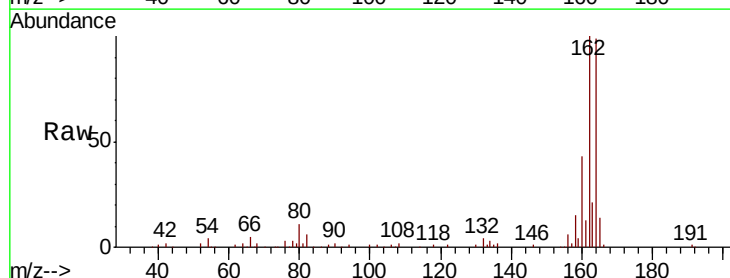


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

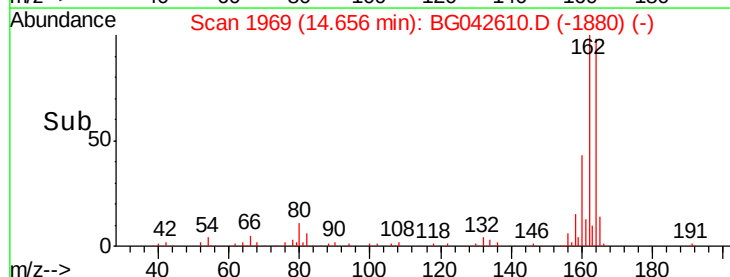
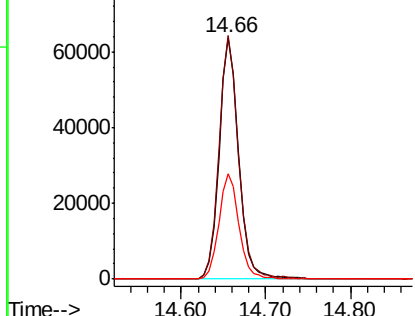


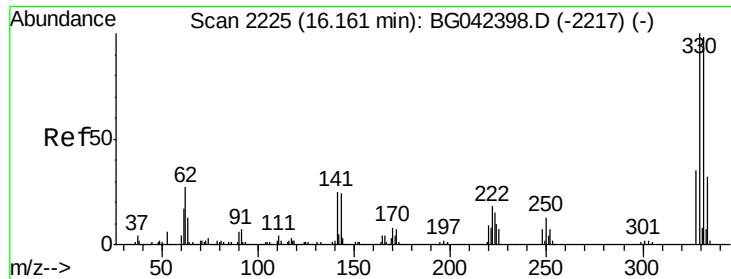
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.66 min Scan# 1969  
Delta R.T. -0.01 min  
Lab File: BG042610.D  
Acq: 30 Aug 2019 21:16

Tgt Ion:164 Resp: 102462  
Ion Ratio Lower Upper  
164 100  
162 100.8 79.9 119.9  
160 43.4 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

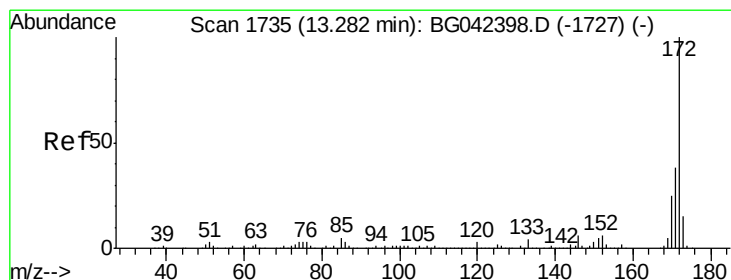
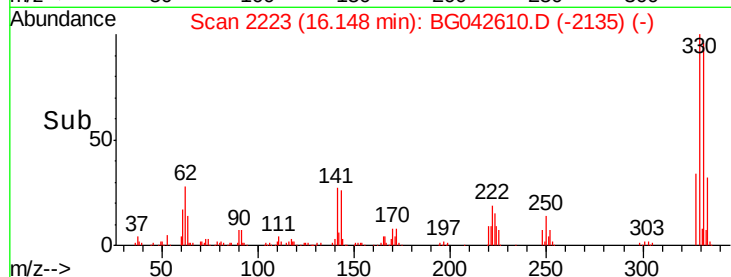
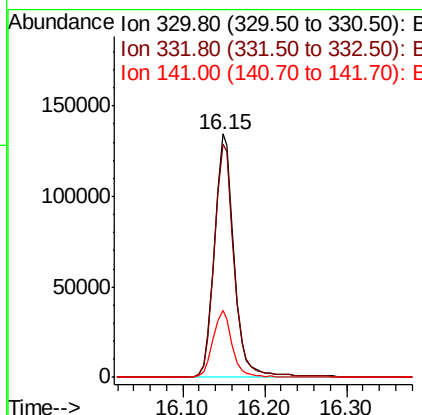
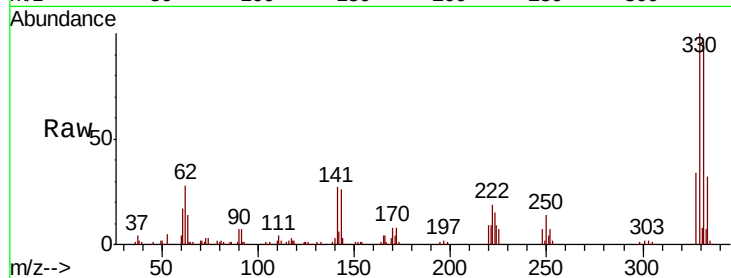




#42  
 2,4,6-Tribromophenol  
 Concen: 155.131 ng  
 RT: 16.15 min Scan# 2223  
 Delta R.T. -0.01 min  
 Lab File: BG042610.D  
 Acq: 30 Aug 2019 21:16

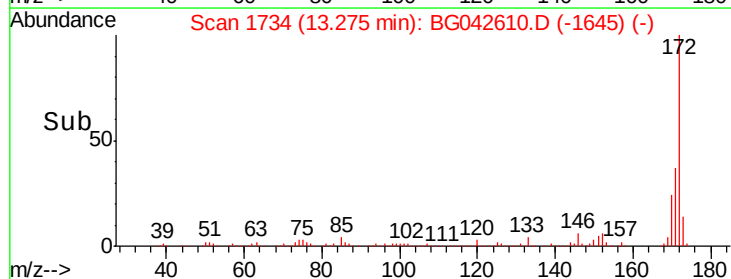
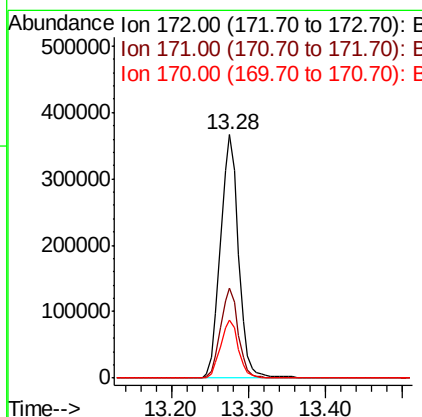
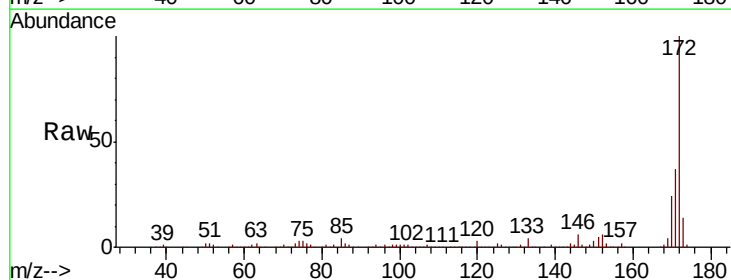
Instrument :  
 BNA\_G  
 ClientSampleId :

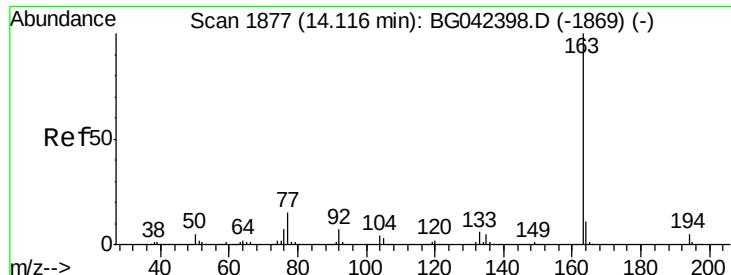
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.3  | 77.4  | 116.0 |
| 141     | 27.0  | 21.4  | 32.0  |



#45  
 2-Fluorobiphenyl  
 Concen: 98.724 ng  
 RT: 13.28 min Scan# 1734  
 Delta R.T. -0.01 min  
 Lab File: BG042610.D  
 Acq: 30 Aug 2019 21:16

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.8  | 30.5  | 45.7  |
| 170     | 24.1  | 20.2  | 30.2  |

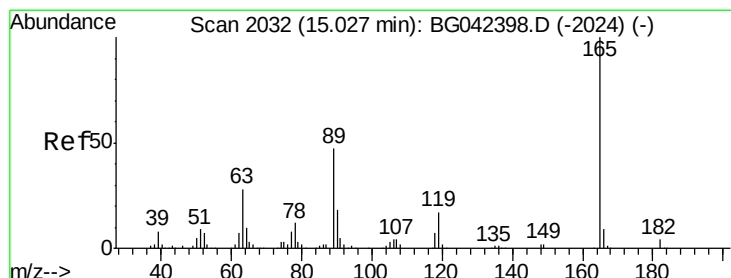
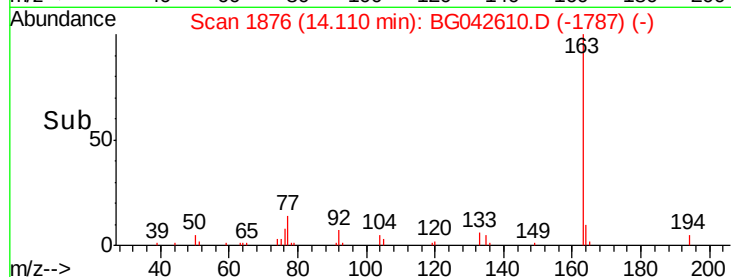
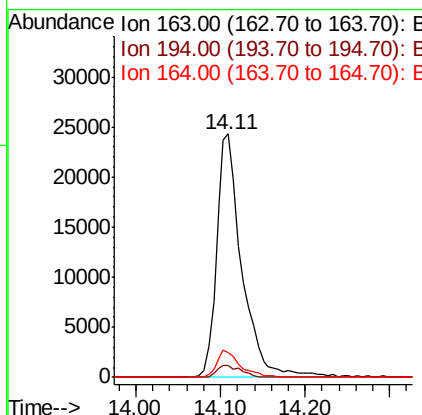
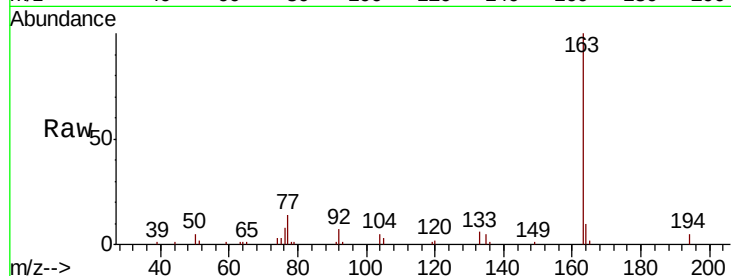




#50  
Dimethylphthalate  
Concen: 6.832 ng  
RT: 14.11 min Scan# 1876  
Delta R.T. -0.01 min  
Lab File: BG042610.D  
Acq: 30 Aug 2019 21:16

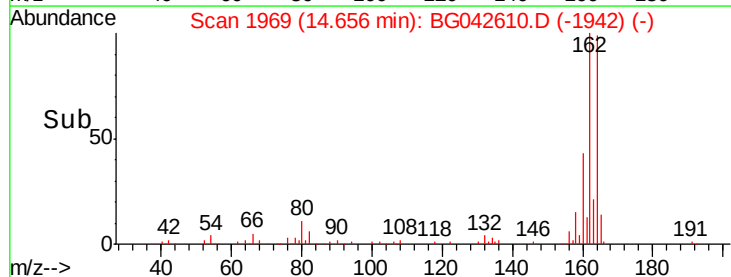
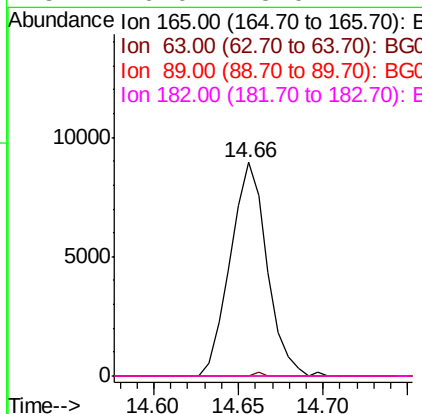
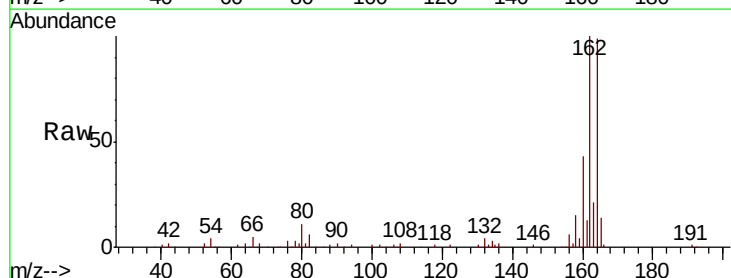
Instrument :  
BNA\_G  
ClientSampleId :

Tot Ion:163 Resp: 50507  
Ion Ratio Lower Upper  
163 100  
194 4.8 4.2 6.2  
164 10.3 8.8 13.2

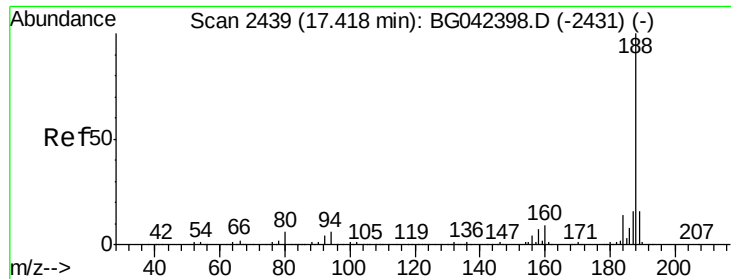


#57  
2,4-Dinitrotoluene  
Concen: 5.509 ng  
RT: 14.66 min Scan# 1969  
Delta R.T. -0.37 min  
Lab File: BG042610.D  
Acq: 30 Aug 2019 21:16

Tgt Ion:165 Resp: 13519  
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#



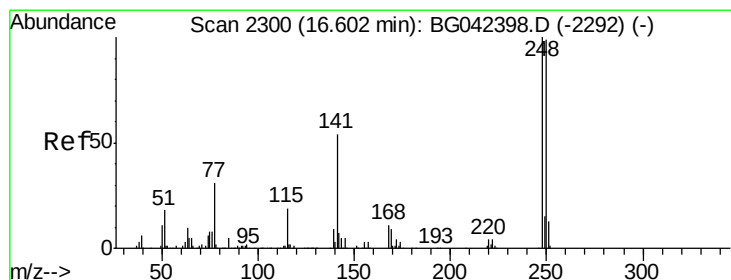
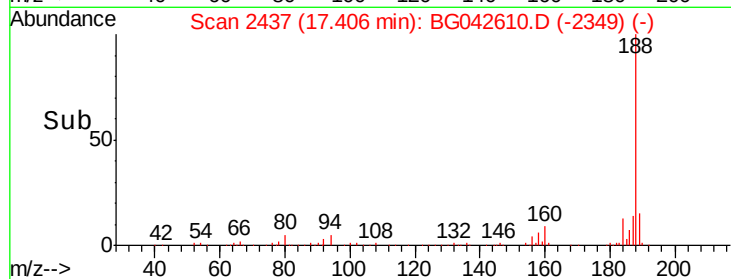
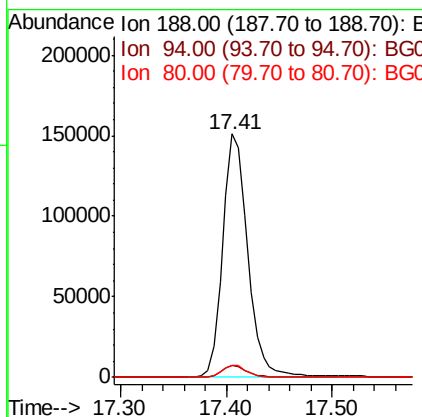
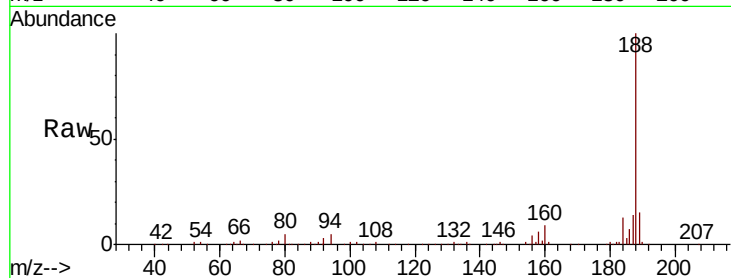




#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.41 min Scan# 2437  
 Delta R.T. -0.01 min  
 Lab File: BG042610.D  
 Acq: 30 Aug 2019 21:16

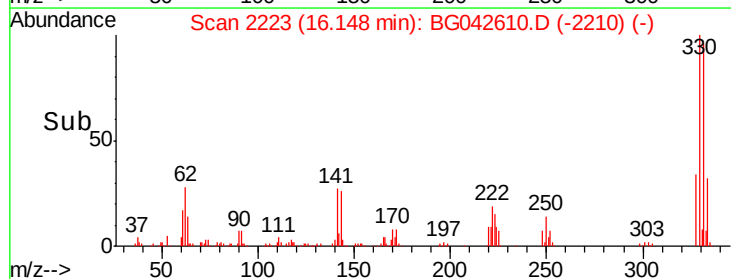
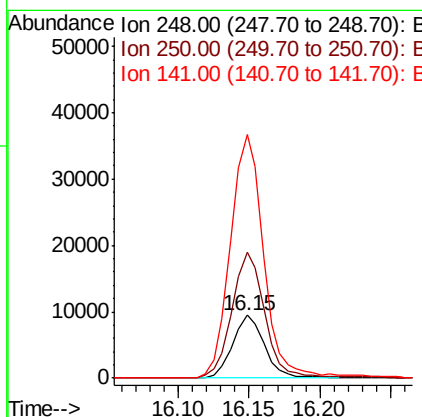
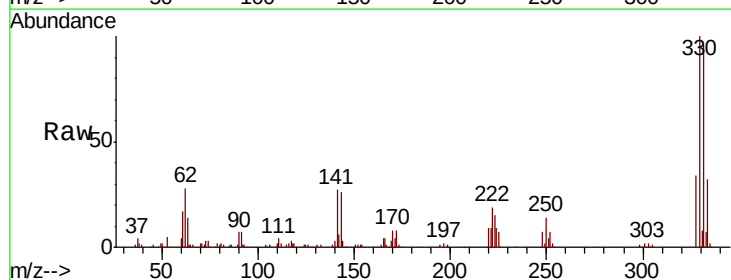
Instrument :  
 BNA\_G  
 ClientSampleId :

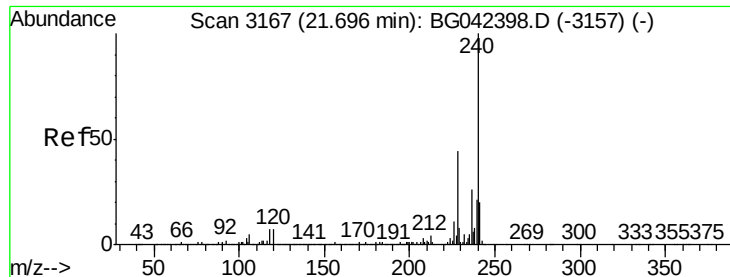
Tot Ion:188 Resp: 248469  
 Ion Ratio Lower Upper  
 188 100  
 94 4.7 4.5 6.7  
 80 5.1 4.9 7.3



#67  
 4-Bromophenyl-phenylether  
 Concen: 4.746 ng  
 RT: 16.15 min Scan# 2223  
 Delta R.T. -0.45 min  
 Lab File: BG042610.D  
 Acq: 30 Aug 2019 21:16

Tgt Ion:248 Resp: 14959  
 Ion Ratio Lower Upper  
 248 100  
 250 199.2 78.9 118.3#  
 141 387.0 43.3 64.9#

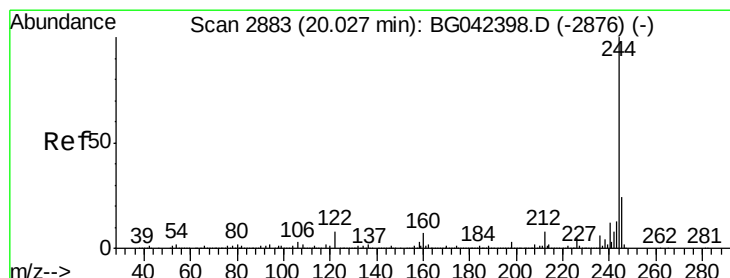
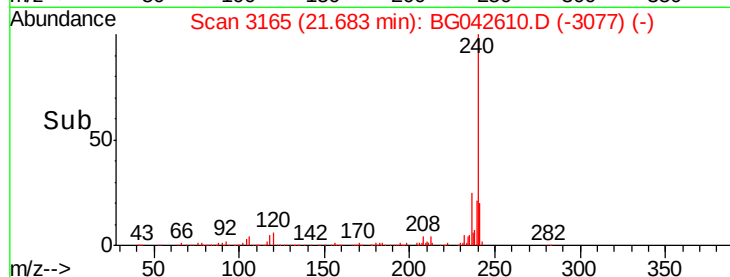
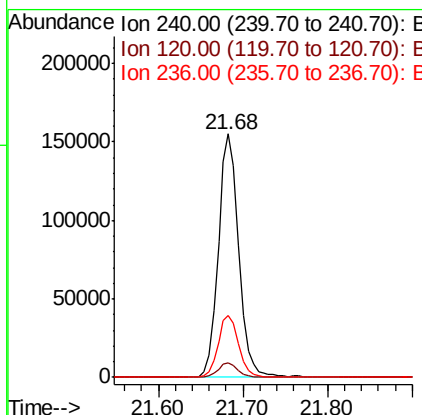
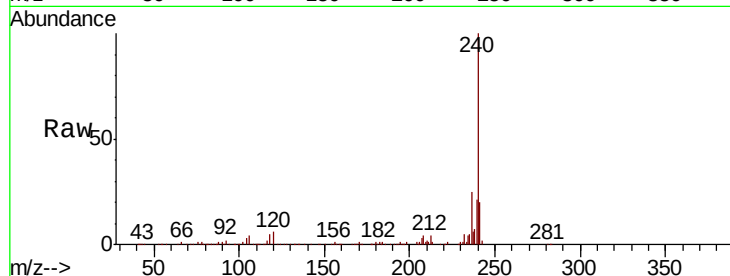




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.68 min Scan# 3165  
Delta R.T. -0.01 min  
Lab File: BG042610.D  
Acq: 30 Aug 2019 21:16

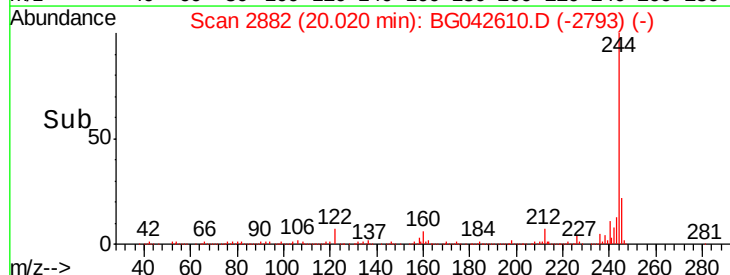
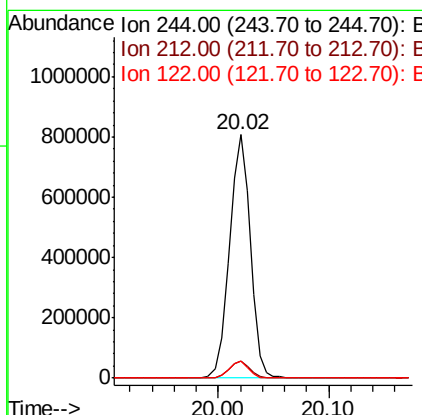
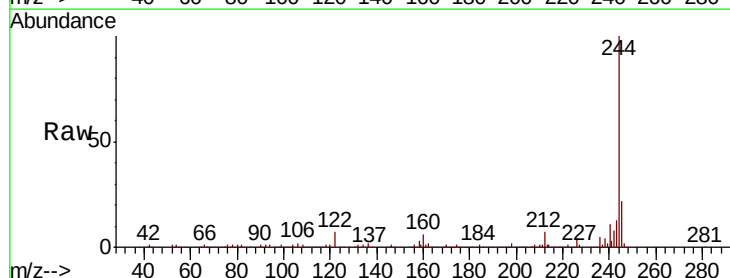
Instrument :  
BNA\_G  
ClientSampleId :

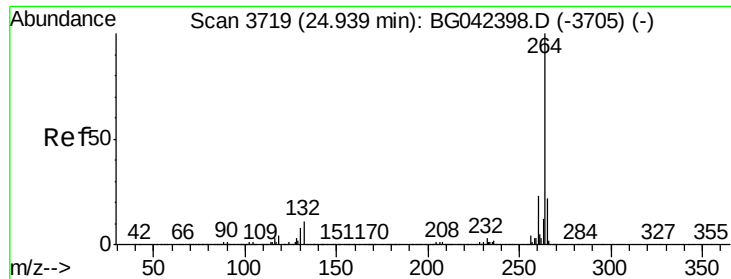
Tot Ion:240 Resp: 261832  
Ion Ratio Lower Upper  
240 100  
120 5.9 5.7 8.5  
236 25.2 21.0 31.4



#79  
Terphenyl-d14  
Concen: 88.249 ng  
RT: 20.02 min Scan# 2882  
Delta R.T. -0.01 min  
Lab File: BG042610.D  
Acq: 30 Aug 2019 21:16

Tgt Ion:244 Resp: 1068788  
Ion Ratio Lower Upper  
244 100  
212 7.3 6.0 9.0  
122 6.9 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: BG042610.D  
Acq: 30 Aug 2019 21:16

Instrument :  
BNA\_G  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 18.5  | 27.7  |
| 265     | 21.9  | 17.6  | 26.4  |

