

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031519\  
 Data File : BG039964.D  
 Acq On : 16 Mar 2019 6:31  
 Operator : JU/SJ  
 Sample : K1698-02  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-04-031419

Quant Time: Mar 18 01:11:27 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 04 14:38:15 2019  
 Response via : Initial Calibration

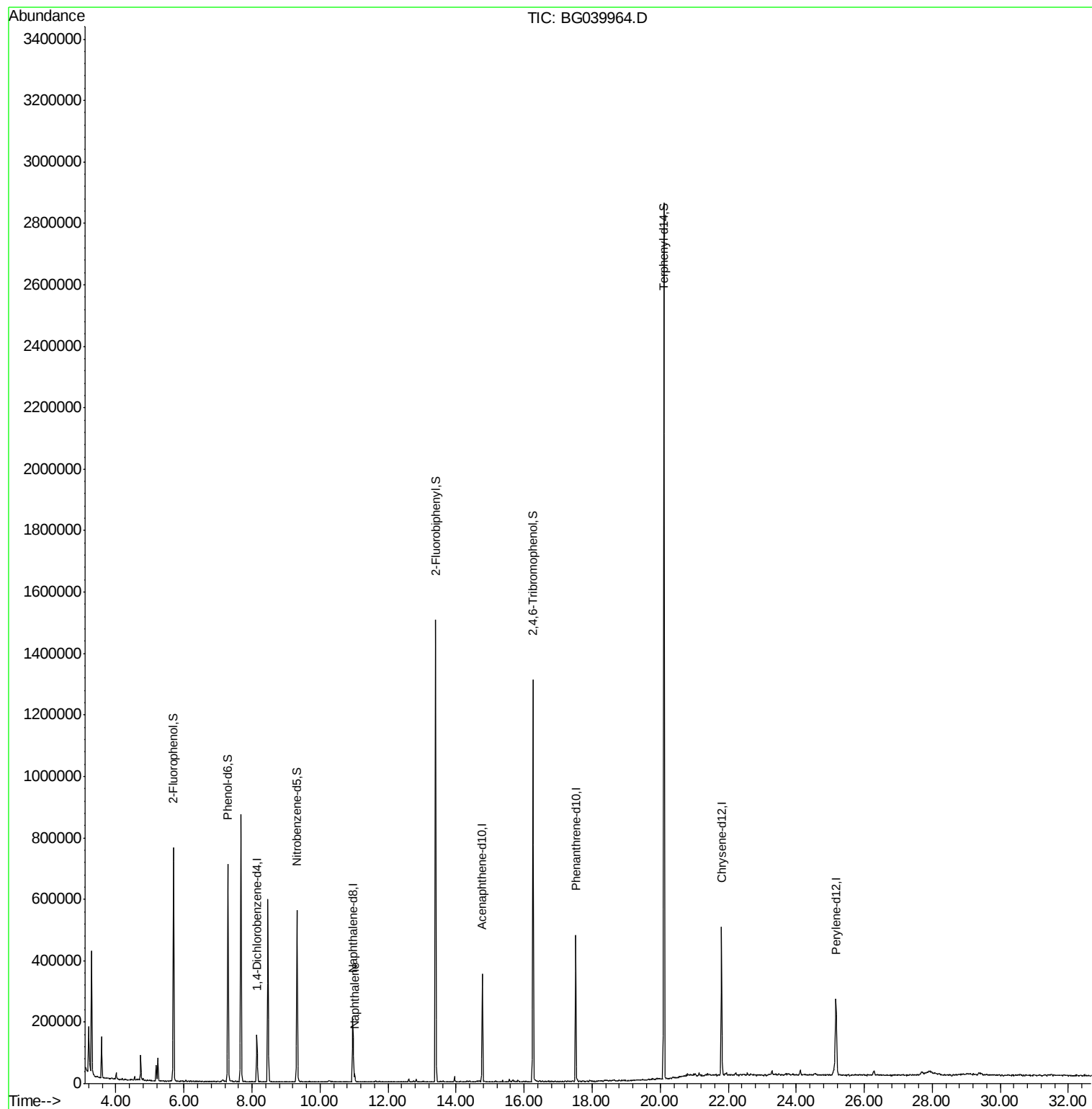
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.15  | 152  | 40936    | 20.00  | ng    | -0.02     |
| 21) Naphthalene-d8          | 10.97 | 136  | 174663   | 20.00  | ng    | -0.02     |
| 39) Acenaphthene-d10        | 14.77 | 164  | 120432   | 20.00  | ng    | -0.02     |
| 64) Phenanthrene-d10        | 17.52 | 188  | 290258   | 20.00  | ng    | -0.02     |
| 76) Chrysene-d12            | 21.80 | 240  | 285937   | 20.00  | ng    | -0.02     |
| 87) Perylene-d12            | 25.17 | 264  | 282387   | 20.00  | ng    | -0.03     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.69  | 112  | 307157   | 128.01 | ng    | -0.02     |
| 7) Phenol-d6                | 7.29  | 99   | 390240   | 109.07 | ng    | -0.02     |
| 23) Nitrobenzene-d5         | 9.33  | 82   | 326205   | 101.01 | ng    | -0.02     |
| 42) 2,4,6-Tribromophenol    | 16.26 | 330  | 225128   | 160.38 | ng    | -0.01     |
| 45) 2-Fluorobiphenyl        | 13.40 | 172  | 778245   | 92.01  | ng    | -0.02     |
| 79) Terphenyl-d14           | 20.11 | 244  | 1278221  | 98.43  | ng    | -0.01     |
| Target Compounds            |       |      |          |        |       |           |
| 31) Naphthalene             | 11.02 | 128  | 21907    | 2.369  | ng    | Qvalue 98 |

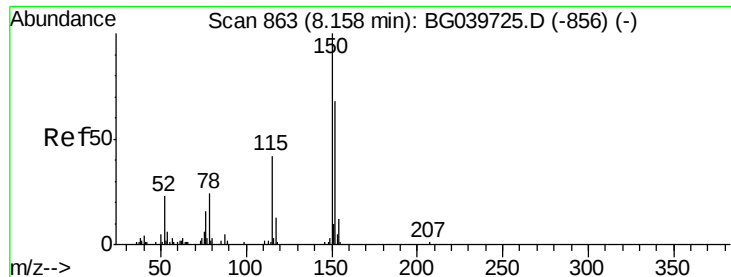
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031519\  
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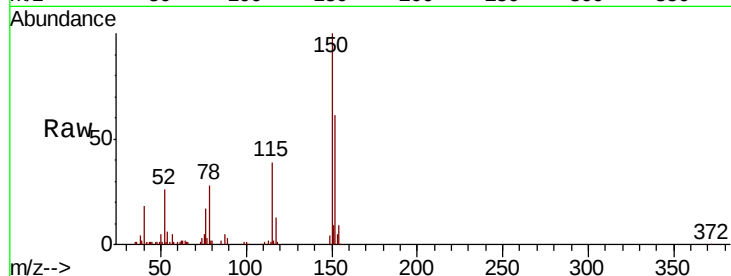


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.15 min Scan# 861  
Delta R.T. -0.02 min  
Lab File: BG039964.D  
Acq: 16 Mar 2019 6:31

Instrument :  
BNA\_G  
ClientSampleId :  
TR-04-031419

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 163.1 | 123.7 | 185.5 |
| 115     | 63.5  | 45.9  | 68.9  |

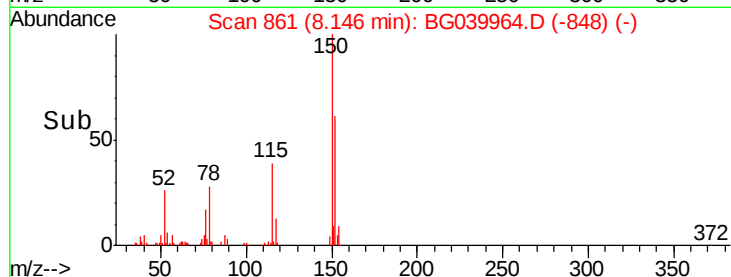
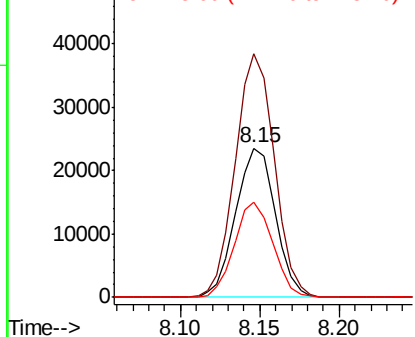


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

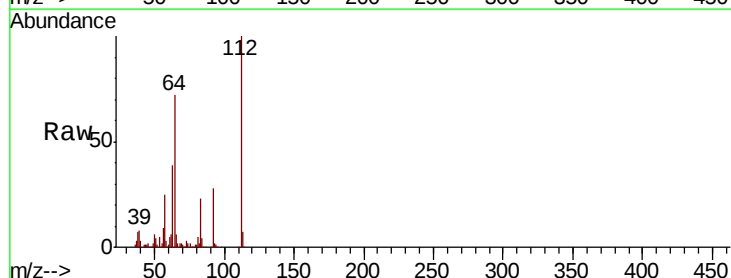
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 128.008 ng  
RT: 5.69 min Scan# 443  
Delta R.T. -0.02 min  
Lab File: BG039964.D  
Acq: 16 Mar 2019 6:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 71.6  | 57.8  | 86.8  |
| 63      | 38.8  | 29.8  | 44.6  |

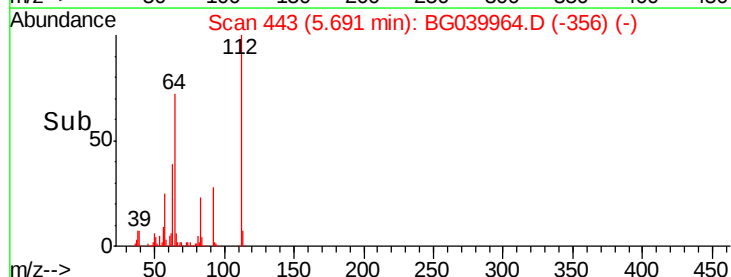
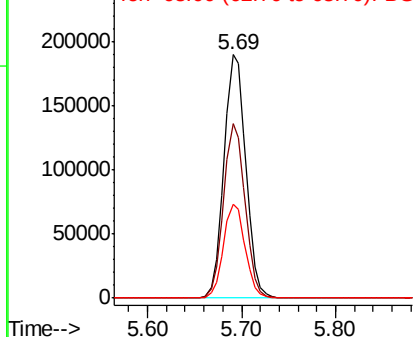


Abundance

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: 109.072 ng

RT: 7.29 min Scan# 716

Delta R.T. -0.02 min

Lab File: BG039964.D

Acq: 16 Mar 2019 6:31

Instrument :

BNA\_G

ClientSampleId :

TR-04-031419

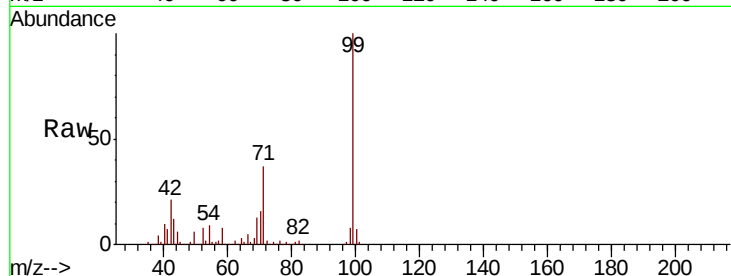
Tot Ion: 99 Resp: 390240

Ion Ratio Lower Upper

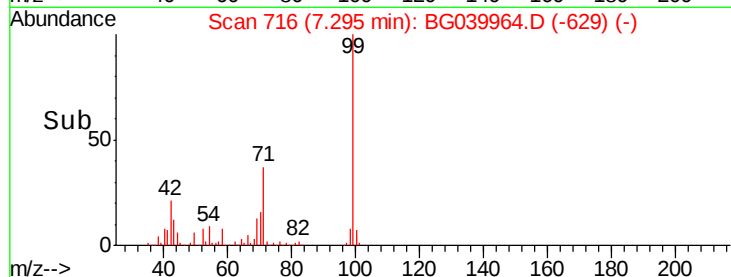
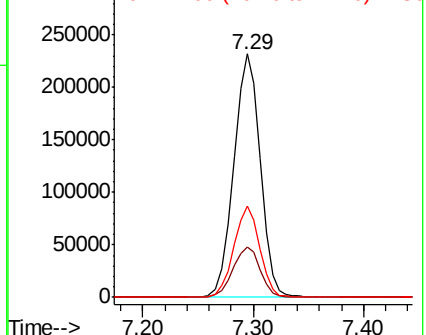
99 100

42 20.9 18.2 27.2

71 37.3 28.0 42.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.97 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BG039964.D

Acq: 16 Mar 2019 6:31

Tgt Ion: 136 Resp: 174663

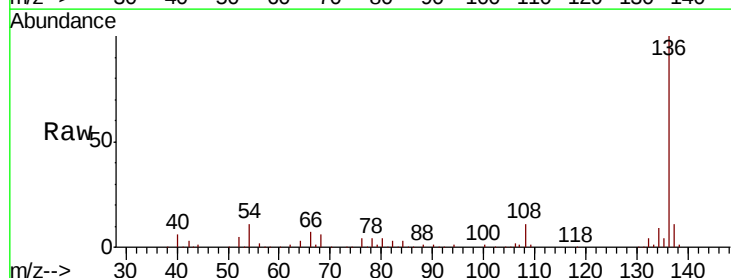
Ion Ratio Lower Upper

136 100

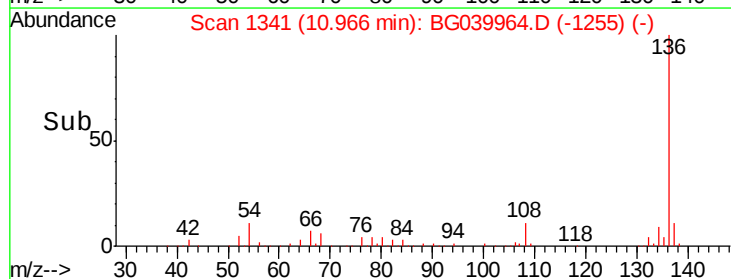
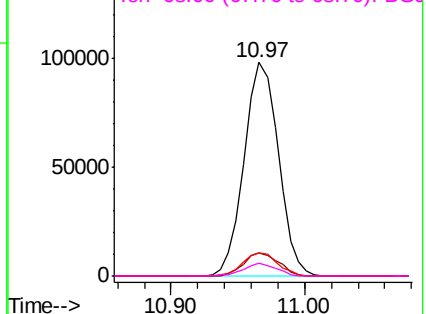
137 10.6 9.1 13.7

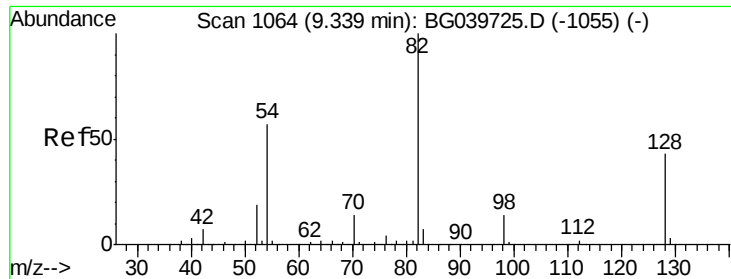
54 10.7 9.4 14.2

68 6.0 4.2 6.4



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

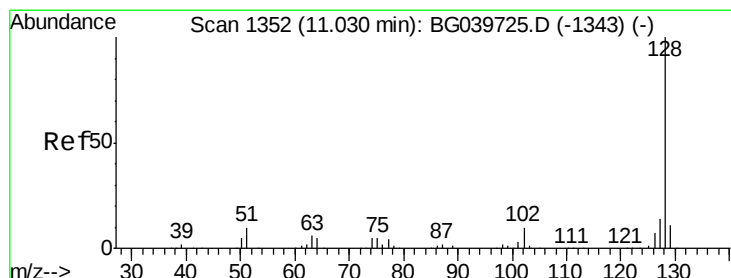
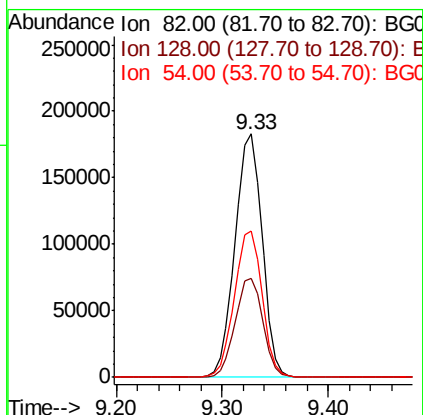
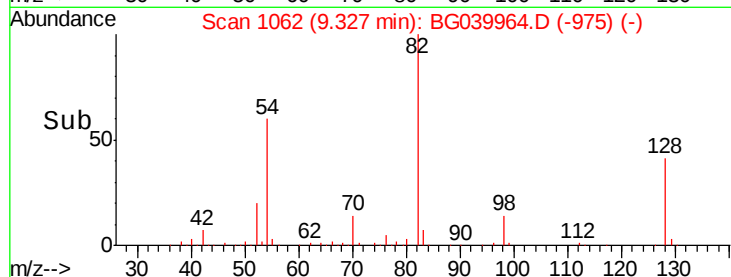
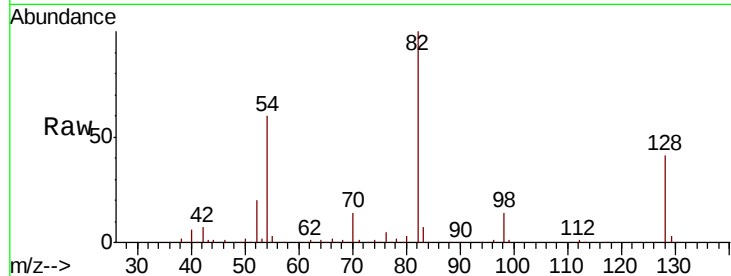




#23  
 Nitrobenzene-d5  
 Concen: 101.009 ng  
 RT: 9.33 min Scan# 1062  
 Delta R.T. -0.02 min  
 Lab File: BG039964.D  
 Acq: 16 Mar 2019 6:31

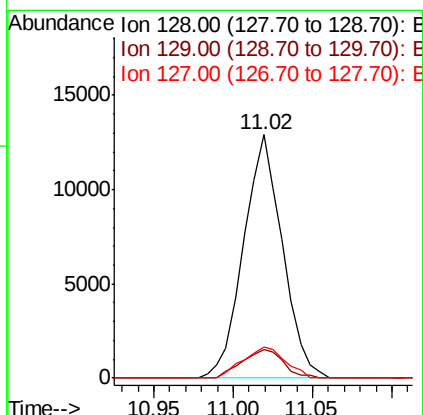
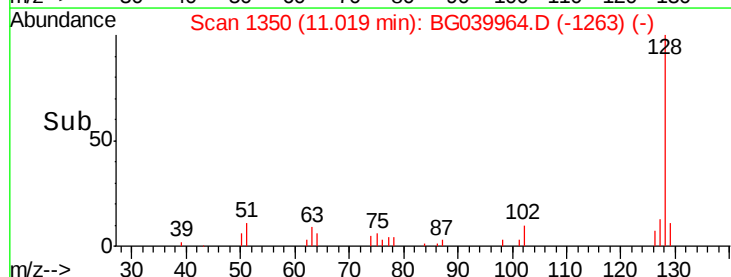
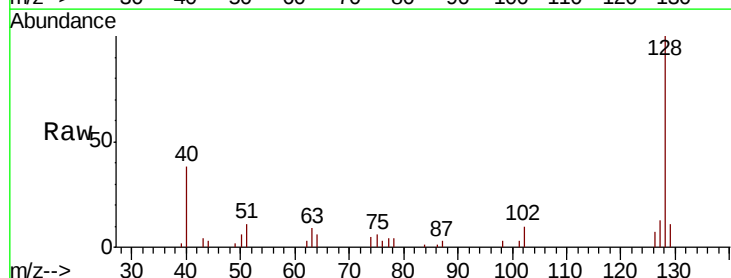
Instrument :  
 BNA\_G  
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 TR-04-031419

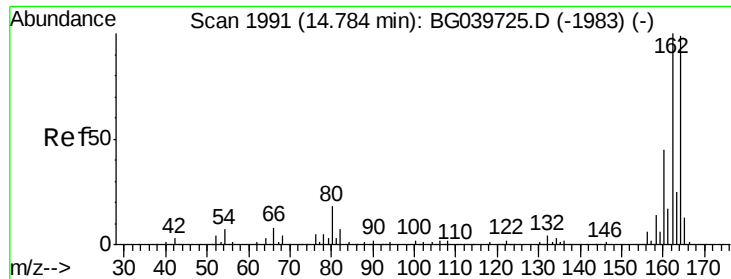
| Tot Ion   | 82.00 | Resp  | 326205 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 40.9  | 31.3  | 46.9   |
| 54        | 60.3  | 50.9  | 76.3   |



#31  
 Naphthalene  
 Concen: 2.369 ng  
 RT: 11.02 min Scan# 1350  
 Delta R.T. -0.02 min  
 Lab File: BG039964.D  
 Acq: 16 Mar 2019 6:31

| Tgt Ion   | 128   | Resp  | 21907 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 11.5  | 8.7   | 13.1  |
| 127       | 12.9  | 10.8  | 16.2  |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1989

Delta R.T. -0.02 min

Lab File: BG039964.D

Acq: 16 Mar 2019 6:31

Instrument :

BNA\_G

ClientSampleId :

TR-04-031419

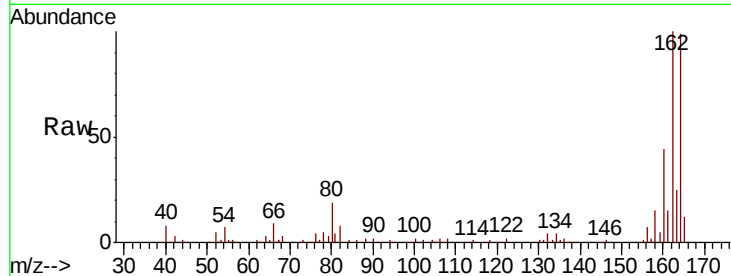
Tot Ion:164 Resp: 120432

Ion Ratio Lower Upper

164 100

162 100.8 81.6 122.4

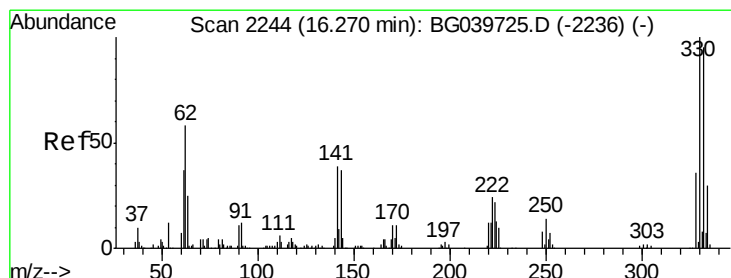
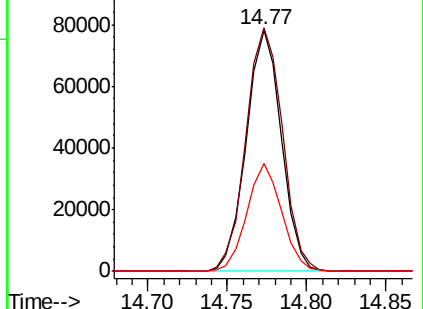
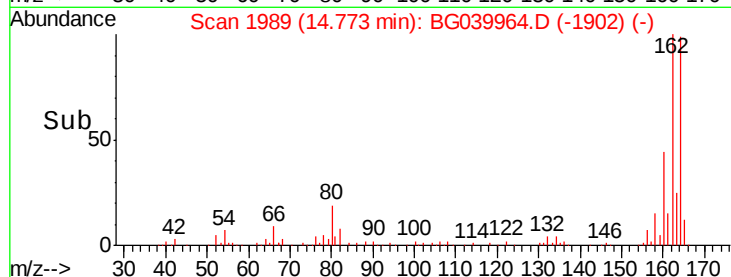
160 44.7 34.2 51.2



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: 160.379 ng

RT: 16.26 min Scan# 2243

Delta R.T. -0.01 min

Lab File: BG039964.D

Acq: 16 Mar 2019 6:31

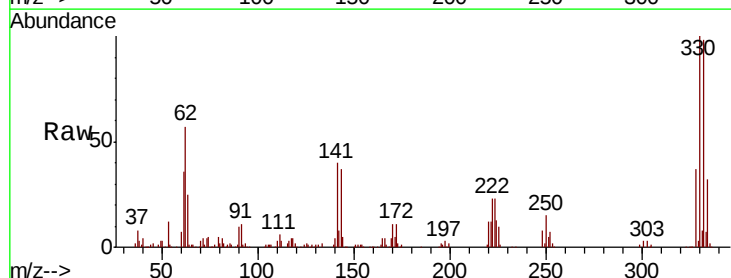
Tgt Ion:330 Resp: 225128

Ion Ratio Lower Upper

330 100

332 96.9 75.7 113.5

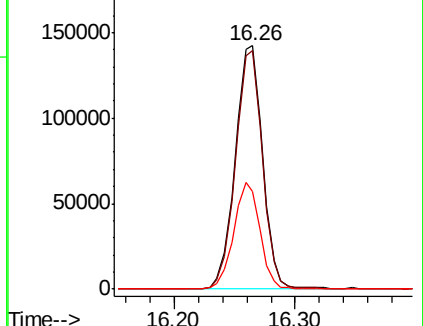
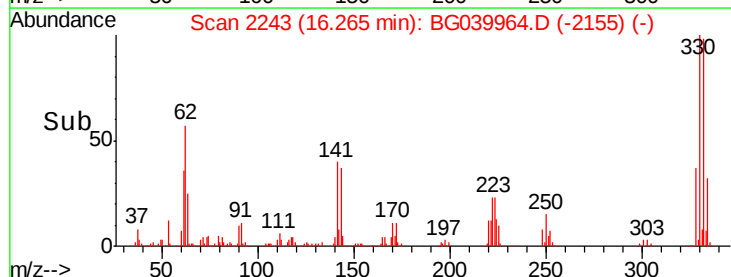
141 42.0 35.6 53.4

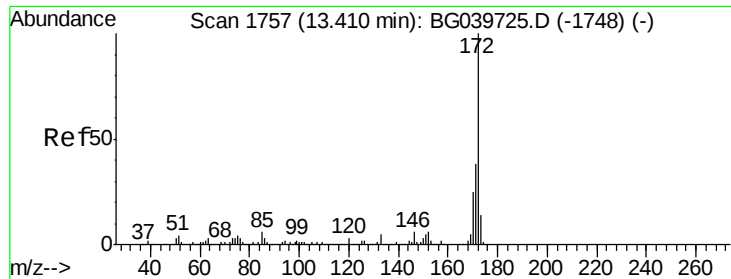


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

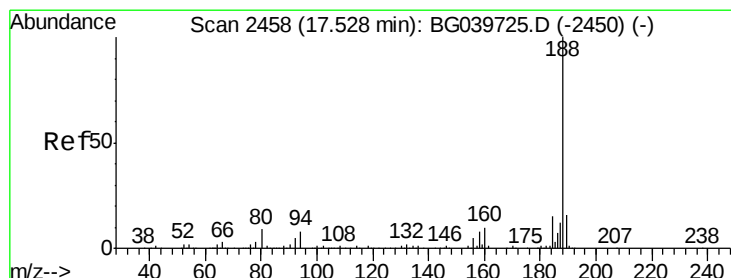
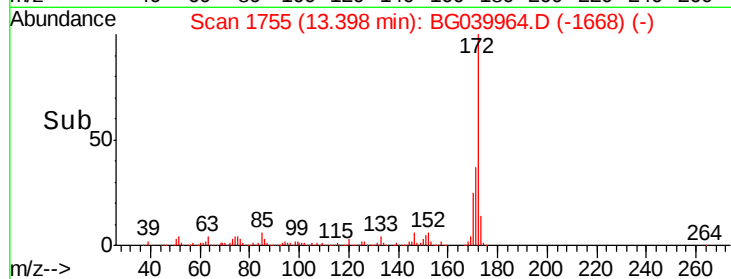
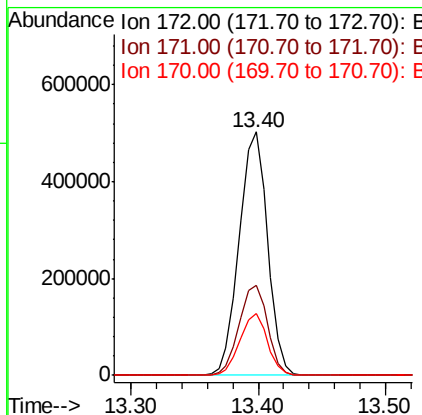
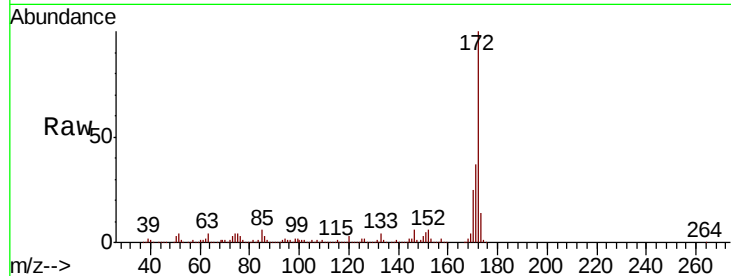




#45  
2-Fluorobiphenyl  
Concen: 92.009 ng  
RT: 13.40 min Scan# 1755  
Delta R.T. -0.02 min  
Lab File: BG039964.D  
Acq: 16 Mar 2019 6:31

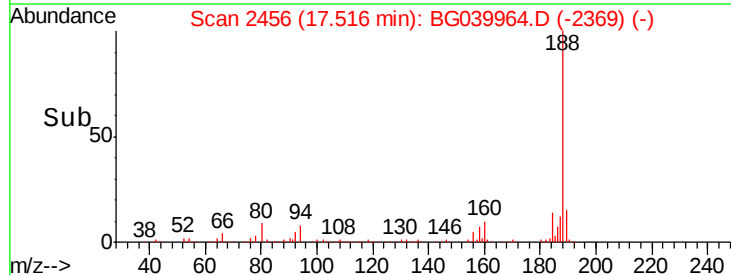
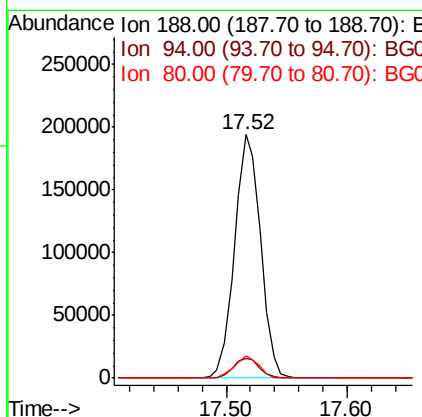
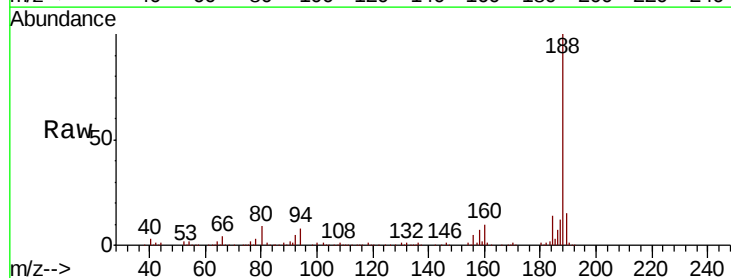
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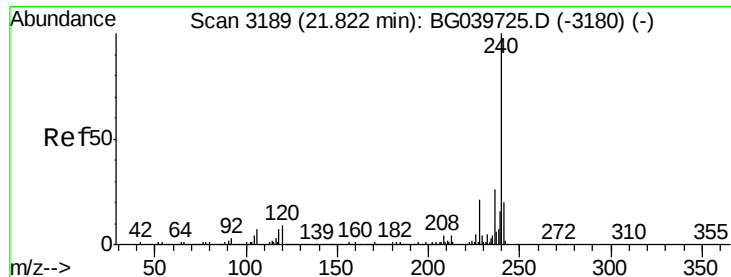
Tot Ion:172 Resp: 778245  
Ion Ratio Lower Upper  
172 100  
171 36.7 30.8 46.2  
170 25.2 20.2 30.4



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.52 min Scan# 2456  
Delta R.T. -0.02 min  
Lab File: BG039964.D  
Acq: 16 Mar 2019 6:31

Tgt Ion:188 Resp: 290258  
Ion Ratio Lower Upper  
188 100  
94 8.2 6.9 10.3  
80 9.3 8.1 12.1

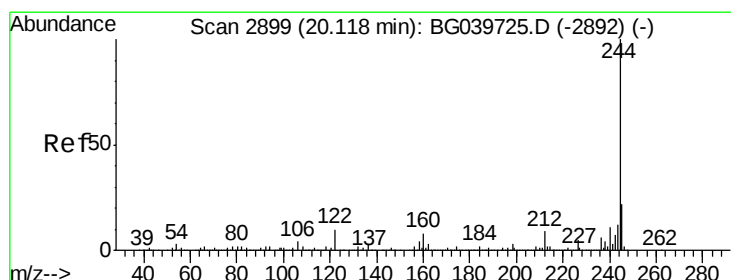
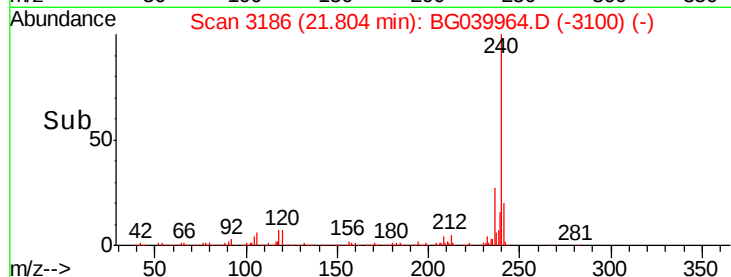
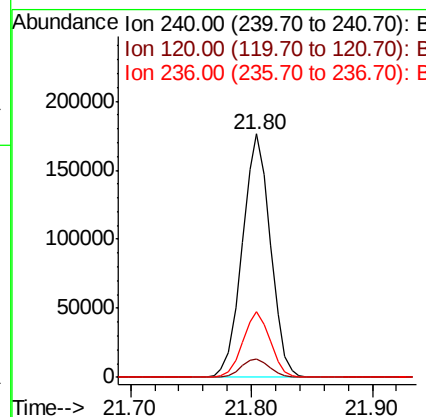
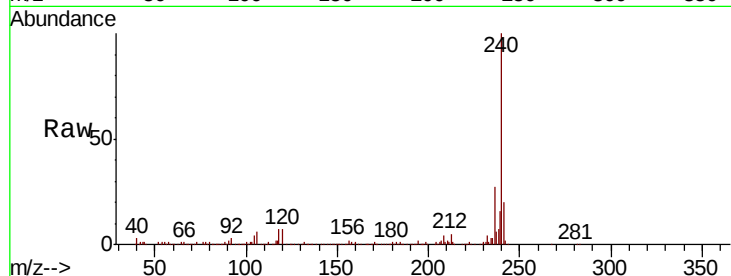




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.80 min Scan# 3186  
Delta R.T. -0.02 min  
Lab File: BG039964.D  
Acq: 16 Mar 2019 6:31

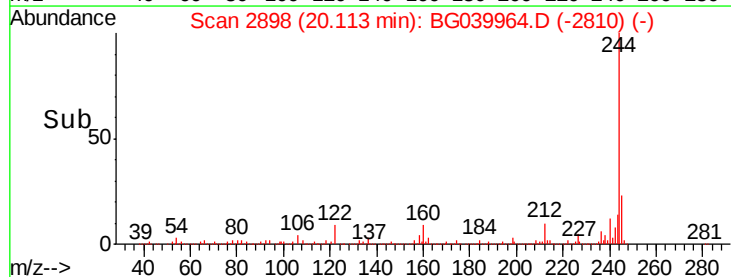
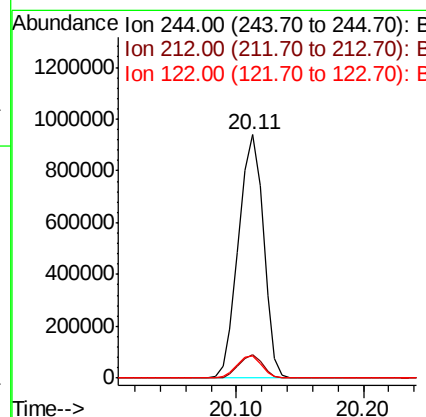
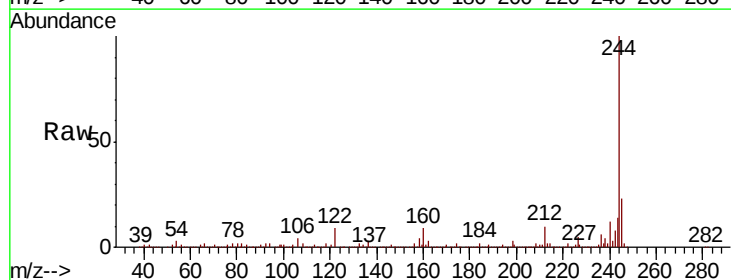
Instrument :  
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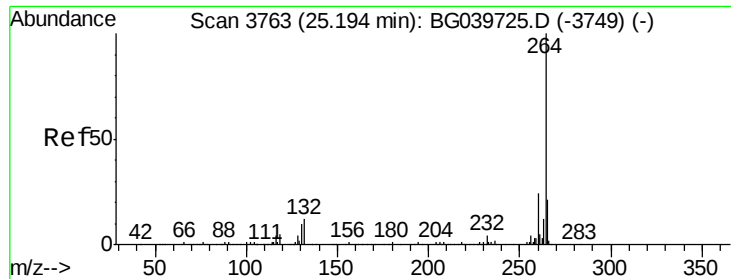
Tot Ion:240 Resp: 285937  
Ion Ratio Lower Upper  
240 100  
120 7.4 7.0 10.6  
236 27.2 21.0 31.4



#79  
Terphenyl-d14  
Concen: 98.427 ng  
RT: 20.11 min Scan# 2898  
Delta R.T. -0.01 min  
Lab File: BG039964.D  
Acq: 16 Mar 2019 6:31

Tgt Ion:244 Resp: 1278221  
Ion Ratio Lower Upper  
244 100  
212 9.7 7.3 10.9  
122 9.3 8.4 12.6





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 25.17 min Scan# 3759  
Delta R.T. -0.03 min  
Lab File: BG039964.D  
Acq: 16 Mar 2019 6:31

Instrument :  
BNA\_G  
ClientSampleId :  
TR-04-031419

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.0  | 18.2  | 27.4  |
| 265     | 21.2  | 18.5  | 27.7  |

