

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG060719\  
 Data File : BG041122.D  
 Acq On : 8 Jun 2019 6:39  
 Operator : HP/JU  
 Sample : K3191-07  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CULVER-CBTC-TP1-060419

Quant Time: Jun 08 18:25:47 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG052919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jun 08 17:33:39 2019  
 Response via : Initial Calibration

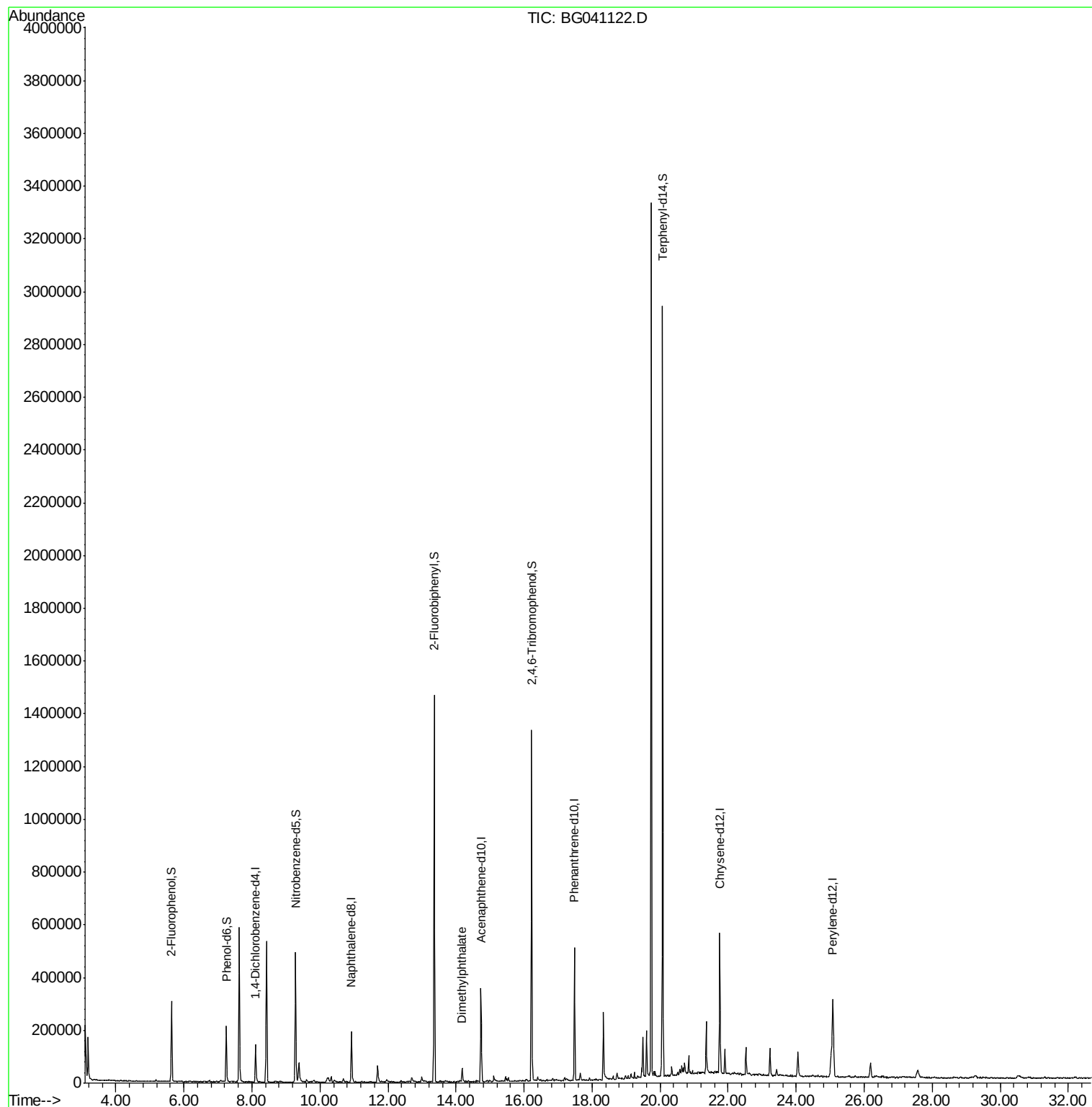
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.11  | 152  | 38083    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 10.93 | 136  | 160991   | 20.00  | ng    | 0.00           |
| 39) Acenaphthene-d10        | 14.73 | 164  | 122687   | 20.00  | ng    | 0.00           |
| 64) Phenanthrene-d10        | 17.48 | 188  | 313764   | 20.00  | ng    | 0.00           |
| 76) Chrysene-d12            | 21.76 | 240  | 321300   | 20.00  | ng    | 0.00           |
| 87) Perylene-d12            | 25.08 | 264  | 347448   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.64  | 112  | 120877   | 57.23  | ng    | 0.00           |
| 7) Phenol-d6                | 7.24  | 99   | 116350   | 35.67  | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 9.28  | 82   | 296039   | 81.63  | ng    | 0.00           |
| 42) 2,4,6-Tribromophenol    | 16.23 | 330  | 240118   | 131.83 | ng    | 0.00           |
| 45) 2-Fluorobiphenyl        | 13.36 | 172  | 736383   | 86.44  | ng    | 0.00           |
| 79) Terphenyl-d14           | 20.08 | 244  | 1308280  | 86.42  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 50) Dimethylphthalate       | 14.18 | 163  | 27527    | 2.651  | ng    | Qvalue<br># 96 |

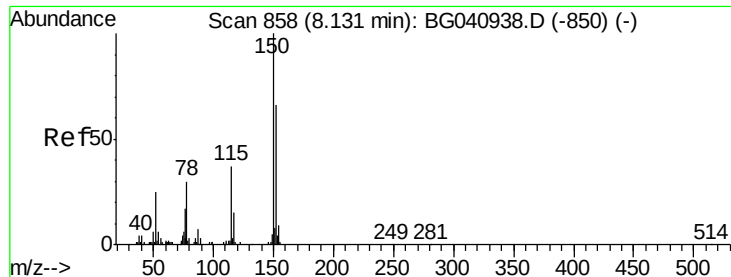
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 08 17:33:39 2019  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.11 min Scan# 854

Delta R.T. 0.00 min

Lab File: BG041122.D

Acq: 8 Jun 2019 6:39

Instrument :

BNA\_G

ClientSampleId :

CULVER-CBTC-TP1-060419

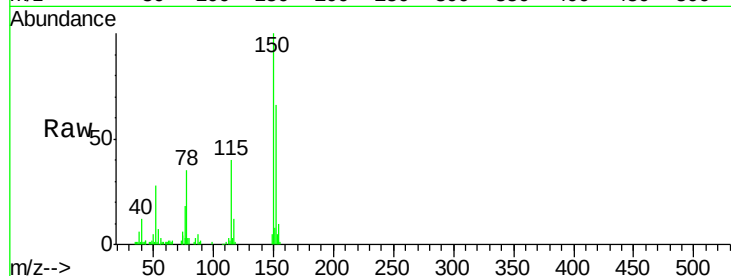
Tot Ion:152 Resp: 38083

Ion Ratio Lower Upper

152 100

150 151.6 111.7 167.5

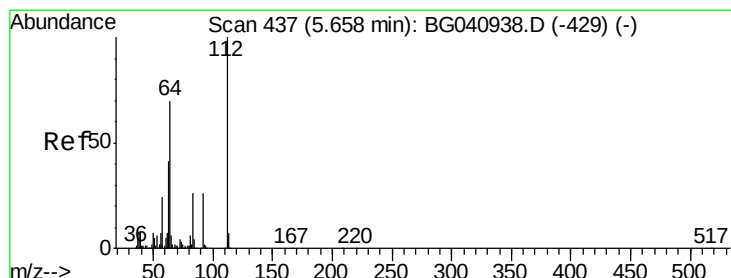
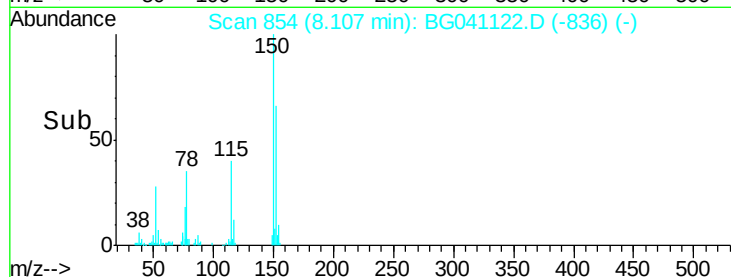
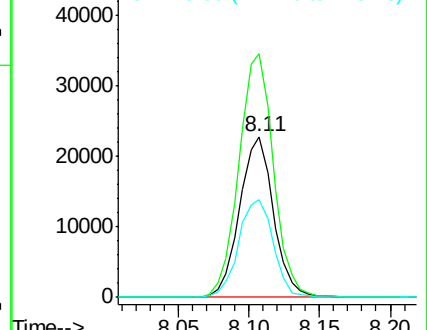
115 61.0 48.6 73.0



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: 57.235 ng

RT: 5.64 min Scan# 434

Delta R.T. -0.00 min

Lab File: BG041122.D

Acq: 8 Jun 2019 6:39

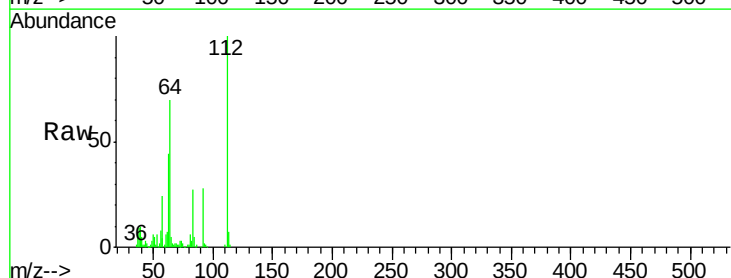
Tgt Ion:112 Resp: 120877

Ion Ratio Lower Upper

112 100

64 70.5 54.5 81.7

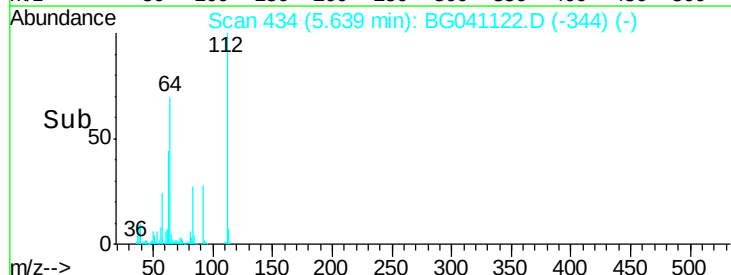
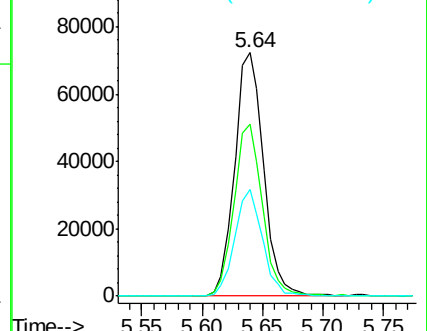
63 44.0 32.2 48.2

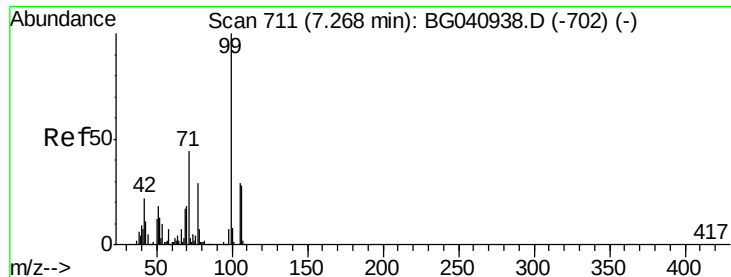


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 35.672 ng

RT: 7.24 min Scan# 707

Delta R.T. -0.01 min

Lab File: BG041122.D

Acq: 8 Jun 2019 6:39

Instrument :

BNA\_G

ClientSampleId :

CULVER-CBTC-TP1-060419

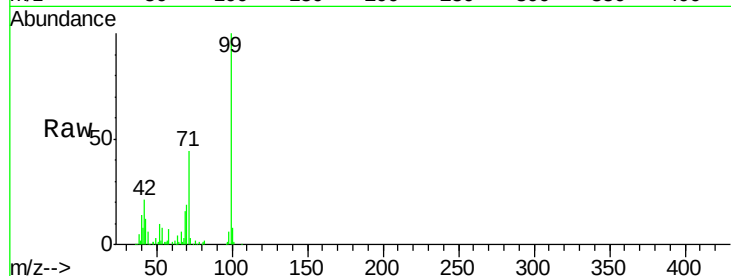
Tot Ion: 99 Resp: 116350

Ion Ratio Lower Upper

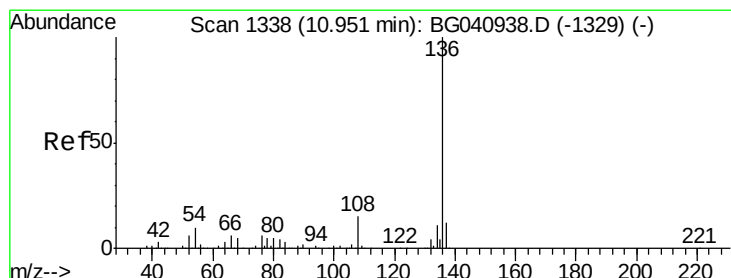
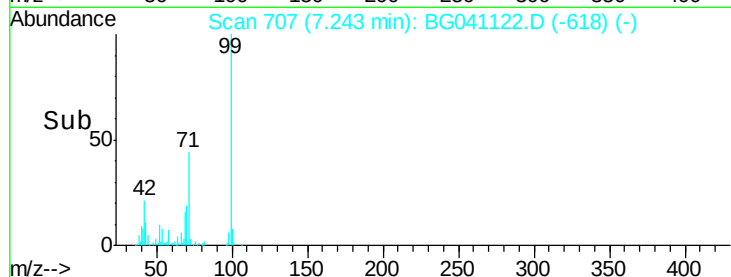
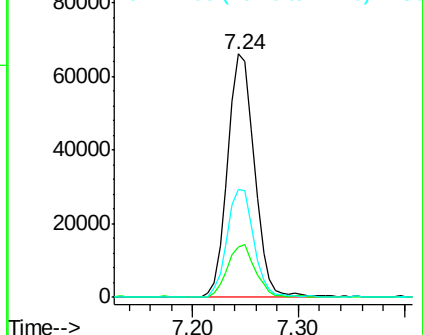
99 100

42 20.8 18.8 28.2

71 44.4 35.6 53.4



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: 10.93 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BG041122.D

Acq: 8 Jun 2019 6:39

Tgt Ion: 136 Resp: 160991

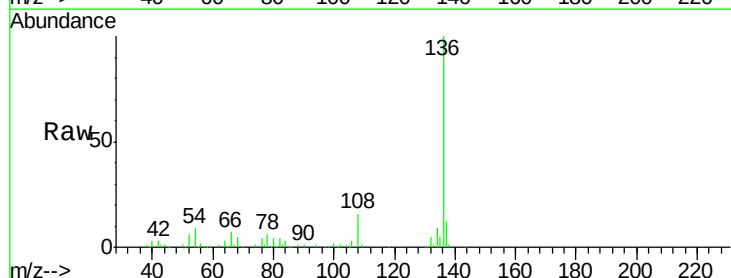
Ion Ratio Lower Upper

136 100

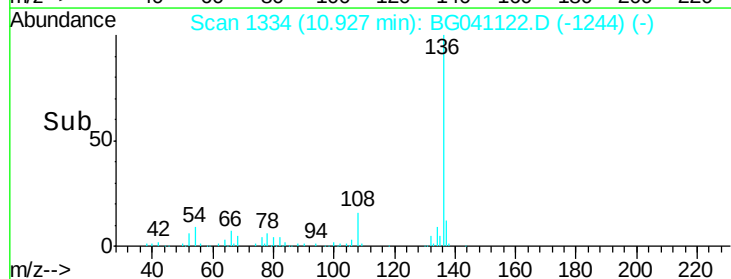
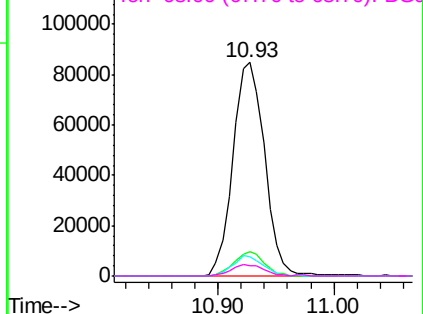
137 11.5 8.9 13.3

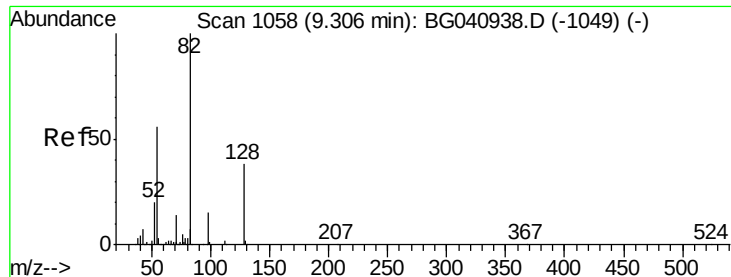
54 9.2 7.4 11.2

68 4.6 4.0 6.0



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

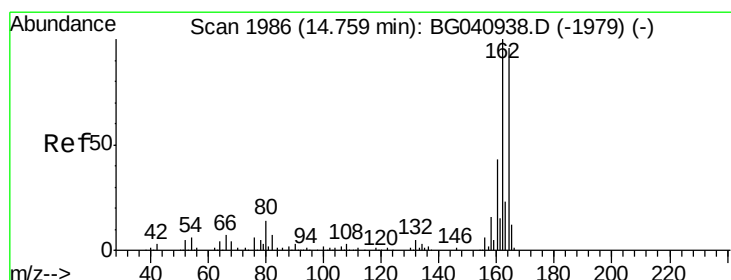
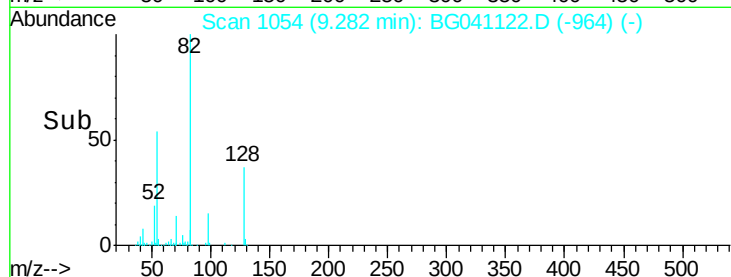
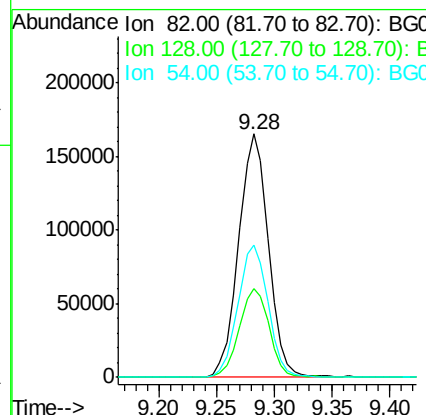
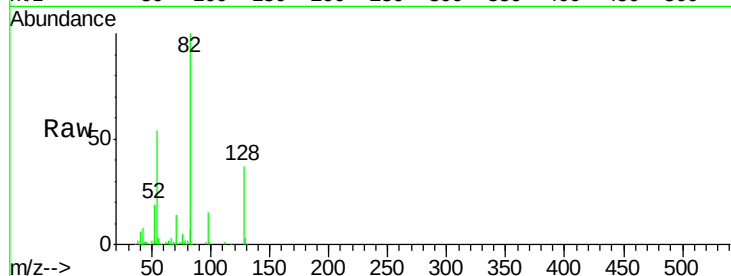




#23  
 Nitrobenzene-d5  
 Concen: 81.633 ng  
 RT: 9.28 min Scan# 1054  
 Delta R.T. -0.00 min  
 Lab File: BG041122.D  
 Acq: 8 Jun 2019 6:39

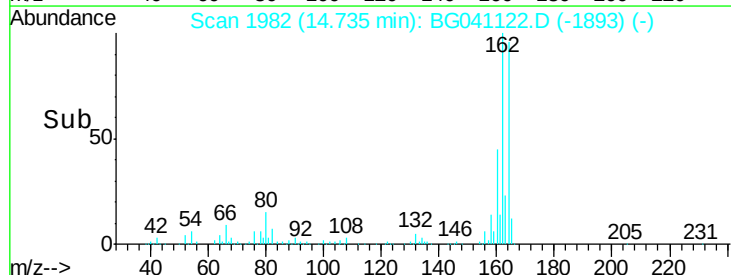
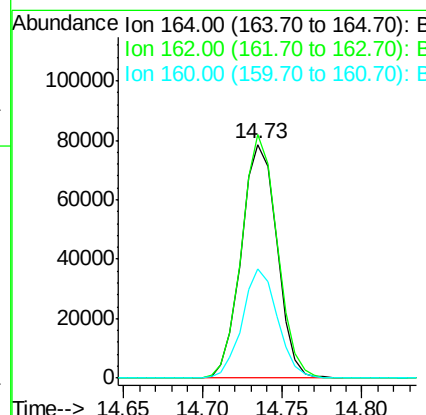
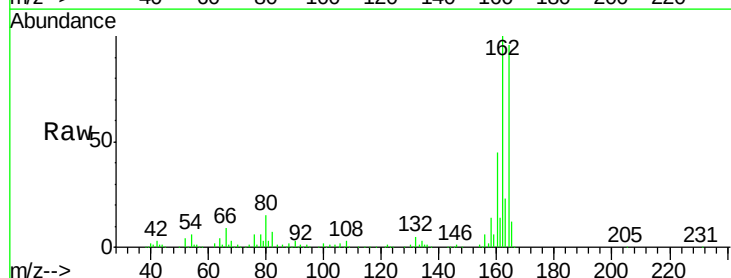
Instrument :  
 BNA\_G  
 ClientSampleId :  
 CULVER-CBTC-TP1-060419

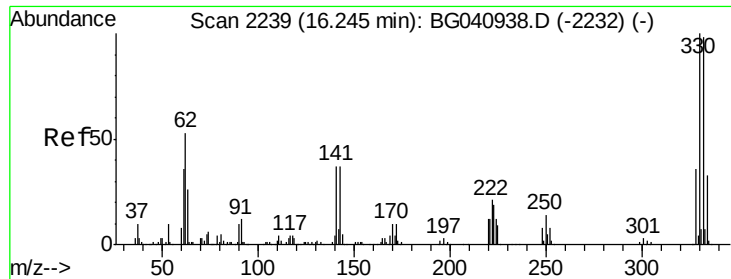
Tot Ion: 82 Resp: 296039  
 Ion Ratio Lower Upper  
 82 100  
 128 36.5 29.8 44.6  
 54 54.1 43.6 65.4



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.73 min Scan# 1982  
 Delta R.T. -0.01 min  
 Lab File: BG041122.D  
 Acq: 8 Jun 2019 6:39

Tgt Ion: 164 Resp: 122687  
 Ion Ratio Lower Upper  
 164 100  
 162 104.3 85.4 128.0  
 160 46.7 37.1 55.7

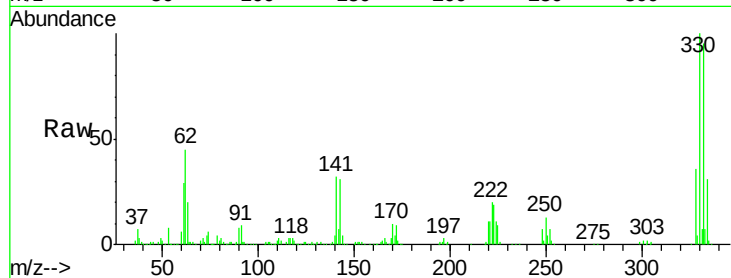




#42  
 2,4,6-Tribromophenol  
 Concen: 131.833 ng  
 RT: 16.23 min Scan# 2236  
 Delta R.T. 0.00 min  
 Lab File: BG041122.D  
 Acq: 8 Jun 2019 6:39

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CULVER-CBTC-TP1-060419

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.1  | 77.9  | 116.9 |
| 141     | 37.0  | 29.0  | 43.4  |

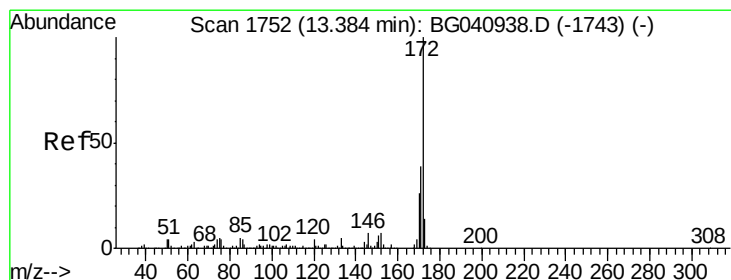
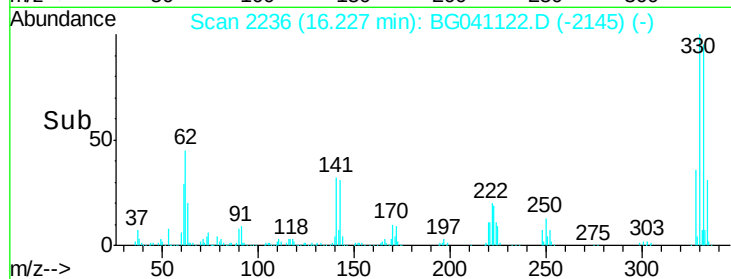
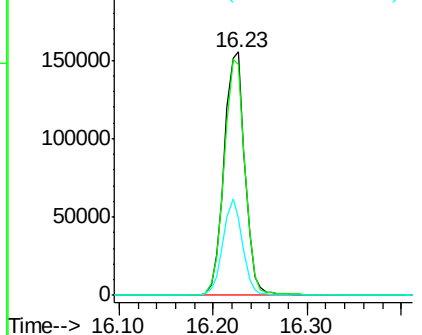


Abundance

Ion 329.80 (329.50 to 330.50): E

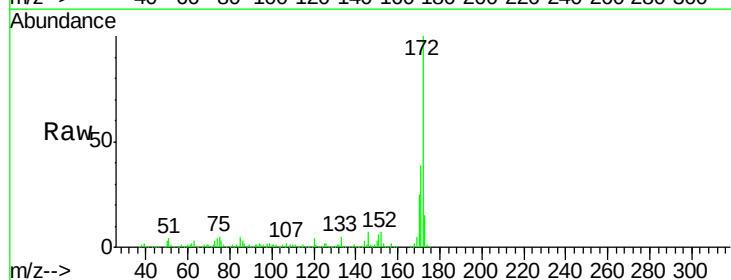
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 86.437 ng  
 RT: 13.36 min Scan# 1748  
 Delta R.T. -0.00 min  
 Lab File: BG041122.D  
 Acq: 8 Jun 2019 6:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.8  | 30.8  | 46.2  |
| 170     | 25.5  | 21.3  | 31.9  |

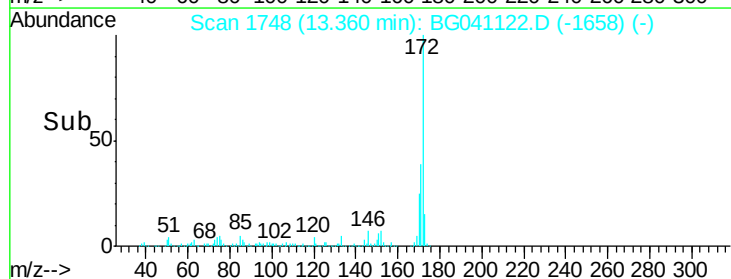
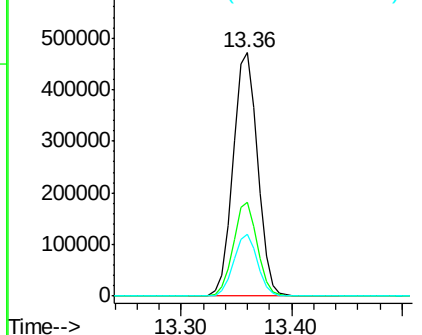


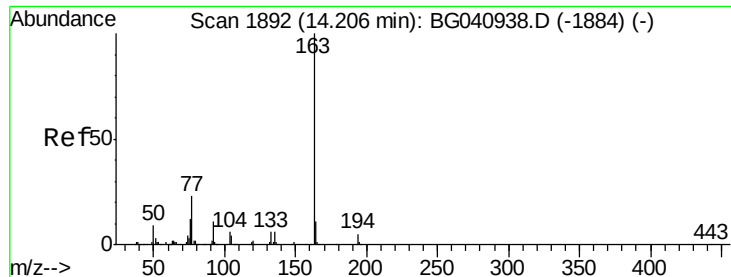
Abundance

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

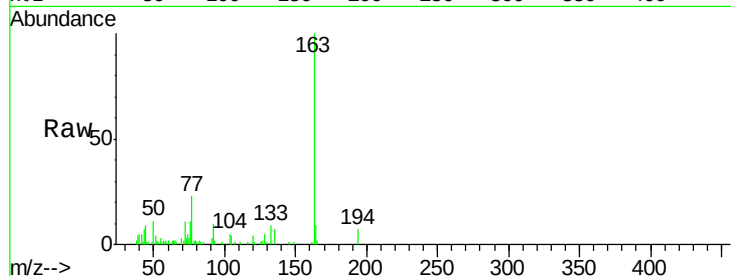




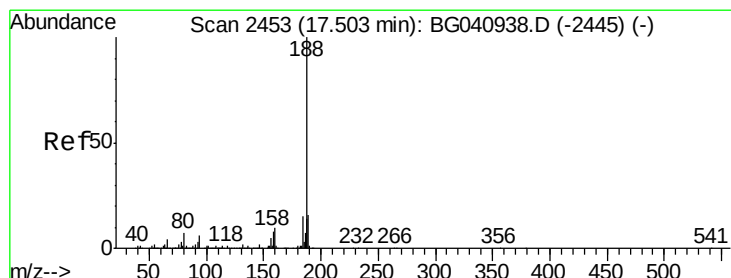
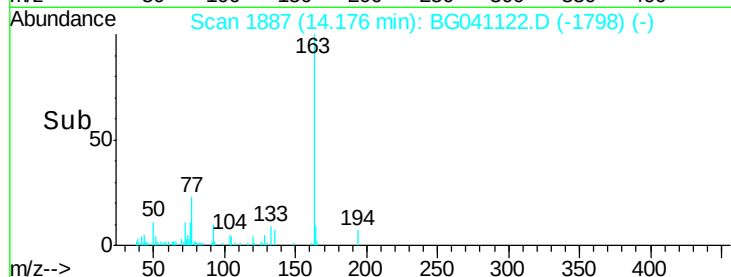
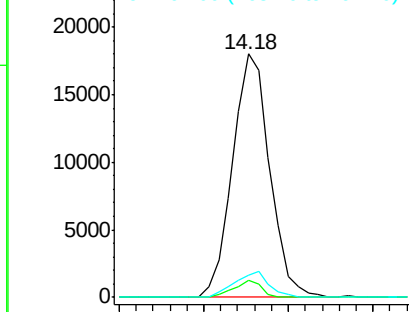
#50  
Dimethylphthalate  
Concen: 2.651 ng  
RT: 14.18 min Scan# 1887  
Delta R.T. -0.01 min  
Lab File: BG041122.D  
Acq: 8 Jun 2019 6:39

Instrument :  
BNA\_G  
ClientSampleId :  
CULVER-CBTC-TP1-060419

Tot Ion:163 Resp: 27527  
Ion Ratio Lower Upper  
163 100  
194 7.1 3.8 5.6#  
164 9.3 8.3 12.5

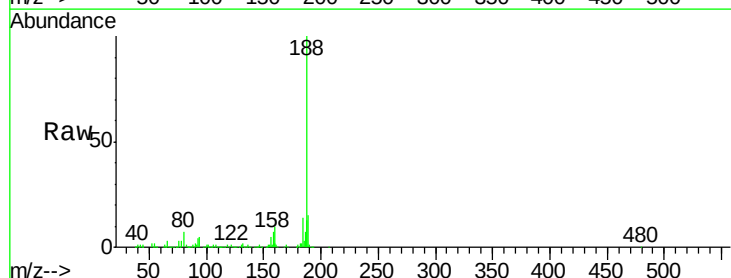


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

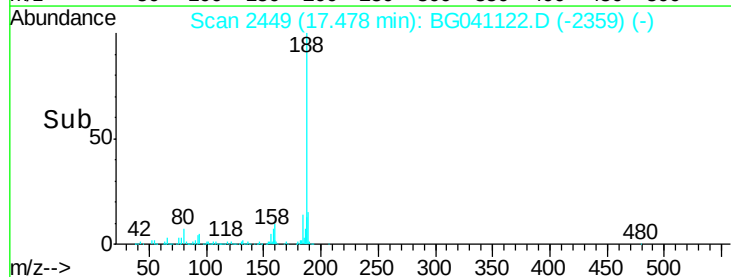
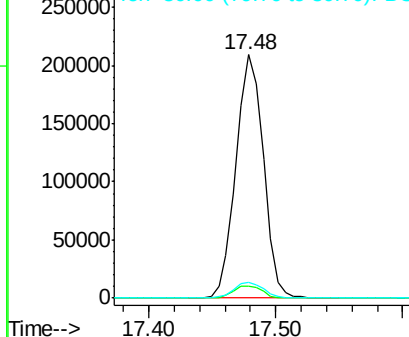


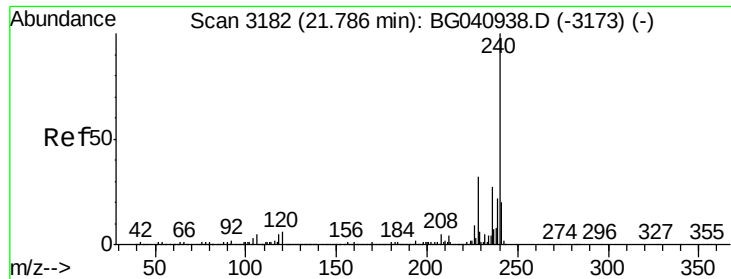
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.48 min Scan# 2449  
Delta R.T. -0.00 min  
Lab File: BG041122.D  
Acq: 8 Jun 2019 6:39

Tgt Ion:188 Resp: 313764  
Ion Ratio Lower Upper  
188 100  
94 4.8 4.6 7.0  
80 6.6 5.8 8.8



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.76 min Scan# 3177

Delta R.T. -0.01 min

Lab File: BG041122.D

Acq: 8 Jun 2019 6:39

Instrument :

BNA\_G

ClientSampleId :

CULVER-CBTC-TP1-060419

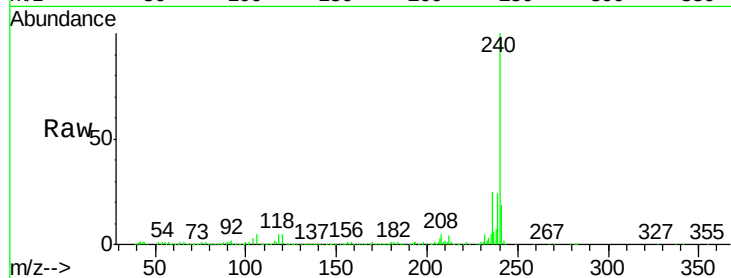
Tot Ion:240 Resp: 321300

Ion Ratio Lower Upper

240 100

120 5.1 4.6 6.8

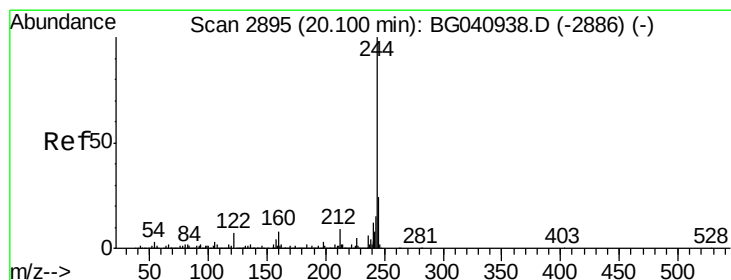
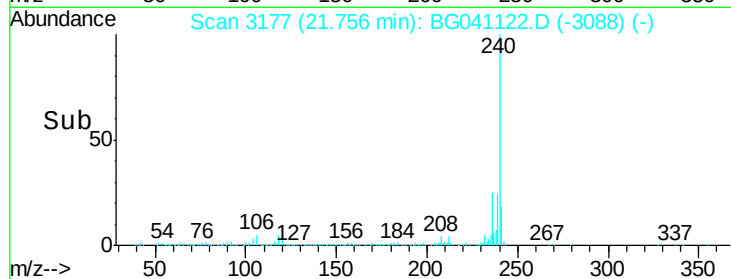
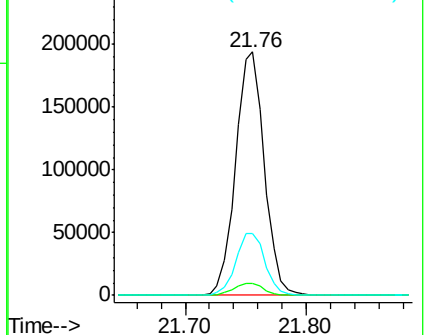
236 25.4 20.6 31.0



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: 86.418 ng

RT: 20.08 min Scan# 2891

Delta R.T. -0.00 min

Lab File: BG041122.D

Acq: 8 Jun 2019 6:39

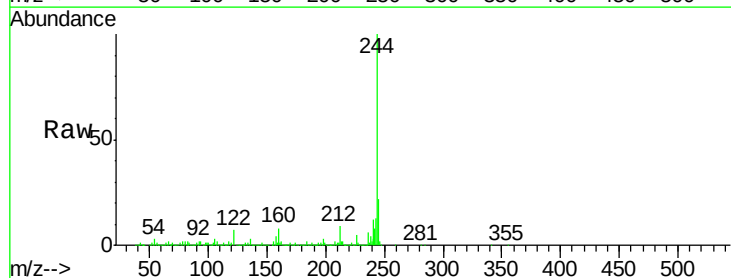
Tgt Ion:244 Resp: 1308280

Ion Ratio Lower Upper

244 100

212 8.9 6.9 10.3

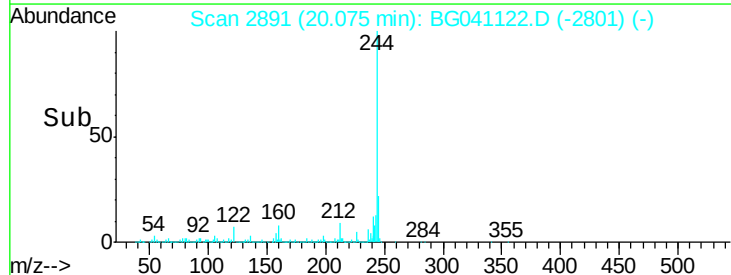
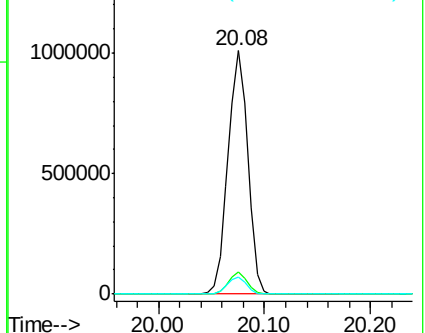
122 7.1 5.4 8.0



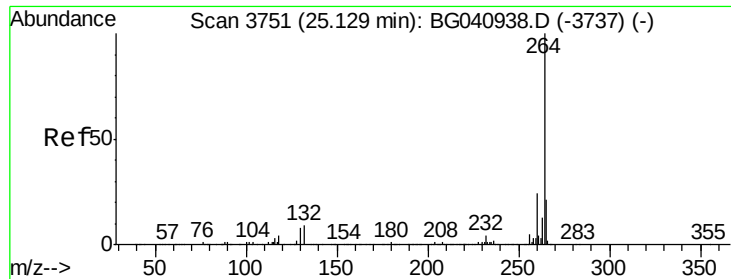
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 25.08 min Scan# 3742  
 Delta R.T. -0.01 min  
 Lab File: BG041122.D  
 Acq: 8 Jun 2019 6:39

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CULVER-CBTC-TP1-060419

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.6  | 19.1  | 28.7  |
| 265     | 22.7  | 17.6  | 26.4  |

