

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091520\  
 Data File : BG046626.D  
 Acq On : 15 Sep 2020 16:07  
 Operator : CG/JU  
 Sample : L3998-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FK-EF-01-TEST1-ABCD-A

Quant Time: Sep 15 18:50:19 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Sep 15 13:09:36 2020  
 Response via : Initial Calibration

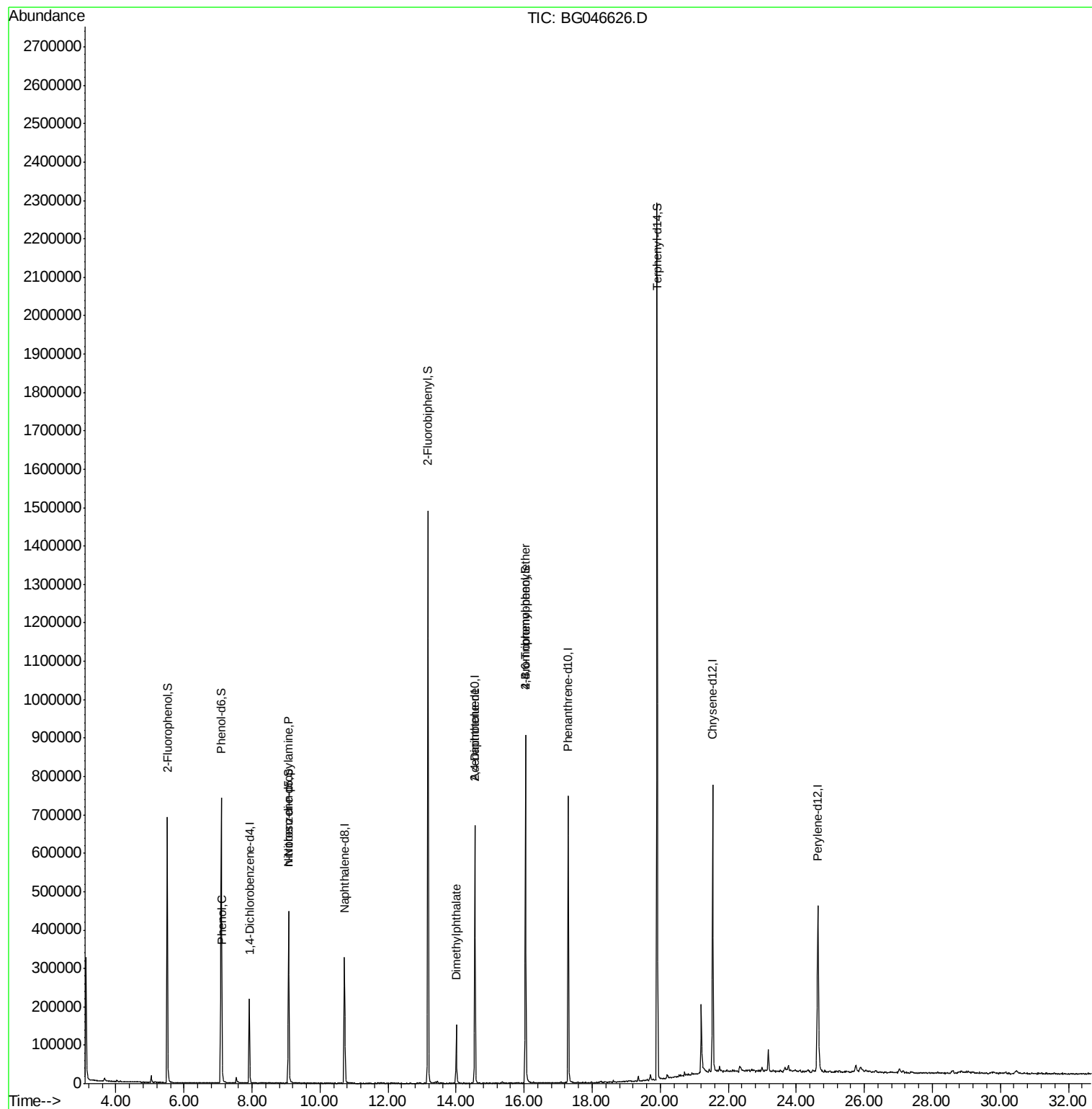
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.92  | 152  | 71117    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.72 | 136  | 326867   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.55 | 164  | 244405   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.29 | 188  | 490584   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.54 | 240  | 479484   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 24.64 | 264  | 474279   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.51  | 112  | 332519   | 82.81  | ng    | 0.00     |
| 7) Phenol-d6                   | 7.09  | 99   | 478566   | 84.08  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.07  | 82   | 298656   | 52.22  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.04 | 330  | 198387   | 59.91  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.18 | 172  | 867088   | 54.16  | ng    | 0.00     |
| 79) Terphenyl-d14              | 19.91 | 244  | 1035529  | 45.96  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 7.12  | 94   | 20187    | 3.851  | ng    | 84       |
| 19) n-Nitroso-di-n-propylamine | 9.07  | 70   | 37550    | 11.029 | ng    | # 79     |
| 50) Dimethylphthalate          | 14.00 | 163  | 128474   | 6.795  | ng    | 97       |
| 57) 2,4-Dinitrotoluene         | 14.55 | 165  | 32380    | 5.448  | ng    | # 33     |
| 67) 4-Bromophenyl-phenylether  | 16.04 | 248  | 15319    | 2.676  | ng    | # 1      |

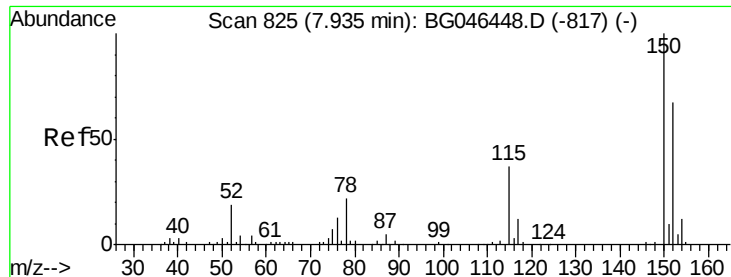
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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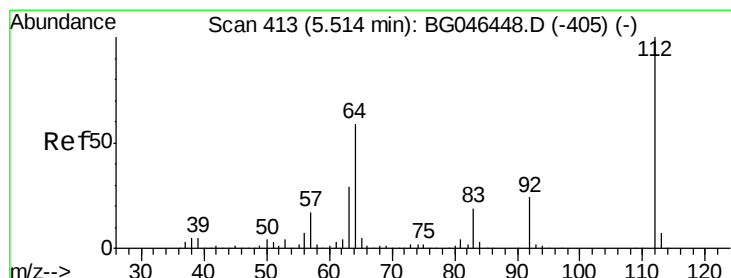
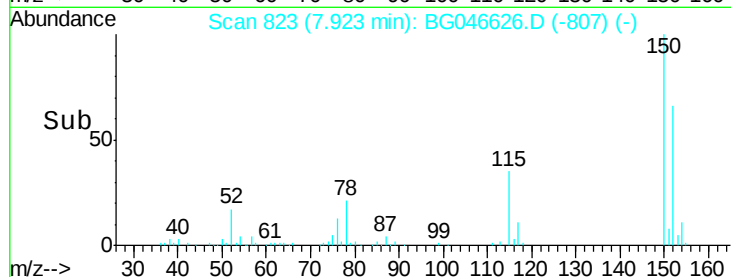
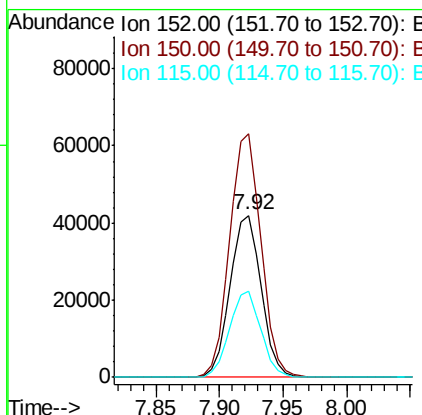
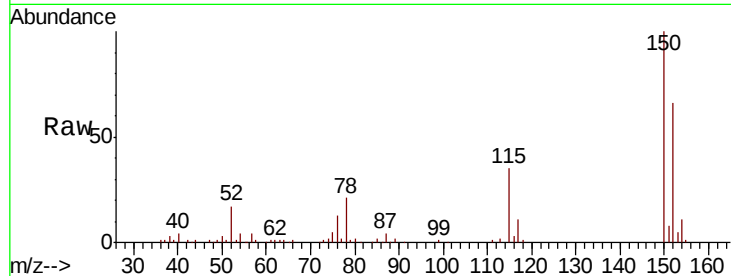


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.92 min Scan# 823  
Delta R.T. -0.00 min  
Lab File: BG046626.D  
Acq: 15 Sep 2020 16:07

Instrument :  
BNA\_G  
ClientSampleId :  
FK-EF-01-TEST1-ABCD-A

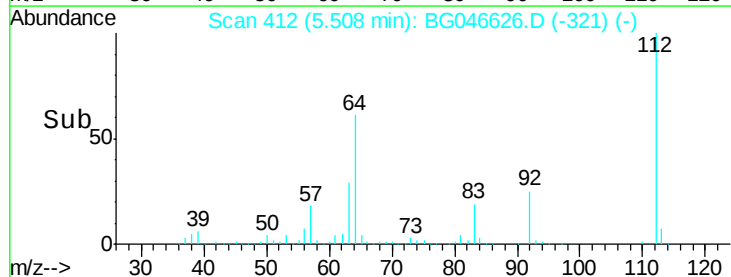
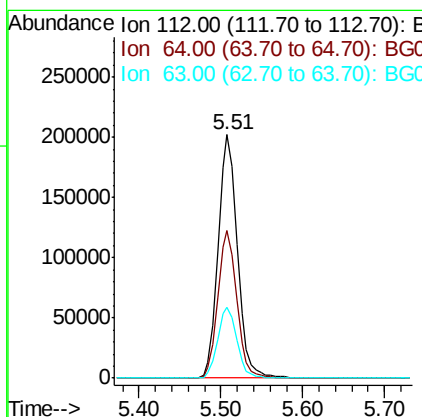
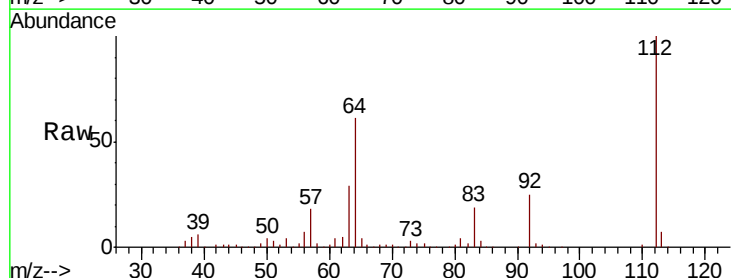
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 150.6 | 119.5 | 179.3 |
| 115     | 53.3  | 44.3  | 66.5  |

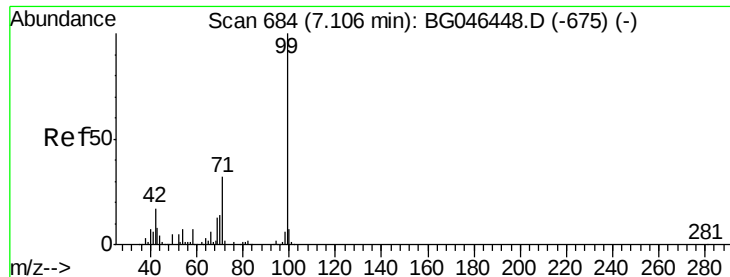


#5

2-Fluorophenol  
Concen: 82.815 ng  
RT: 5.51 min Scan# 412  
Delta R.T. 0.00 min  
Lab File: BG046626.D  
Acq: 15 Sep 2020 16:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 60.6  | 47.0  | 70.6  |
| 63      | 29.2  | 23.5  | 35.3  |





#7

Phenol-d6

Concen: 84.077 ng

RT: 7.09 min Scan# 682

Delta R.T. -0.00 min

Lab File: BG046626.D

Acq: 15 Sep 2020 16:07

Instrument :

BNA\_G

ClientSampleId :

FK-EF-01-TEST1-ABCD-A

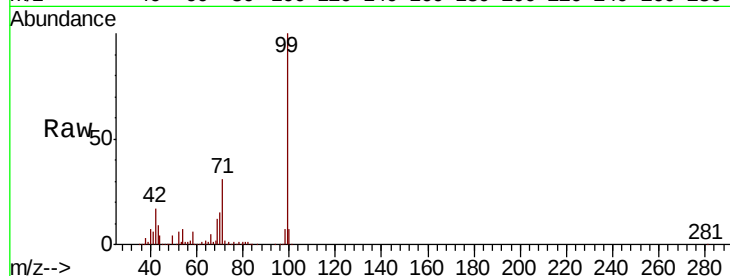
Tot Ion: 99 Resp: 478566

Ion Ratio Lower Upper

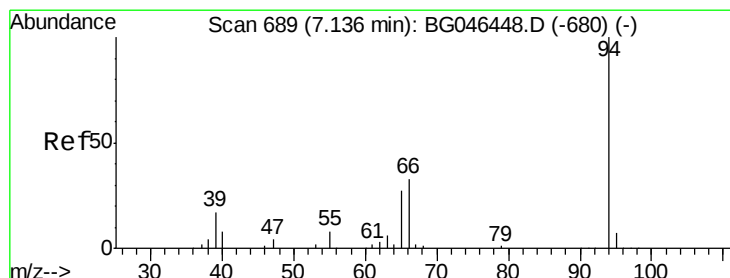
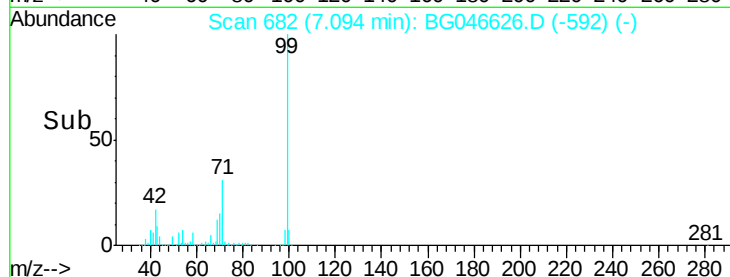
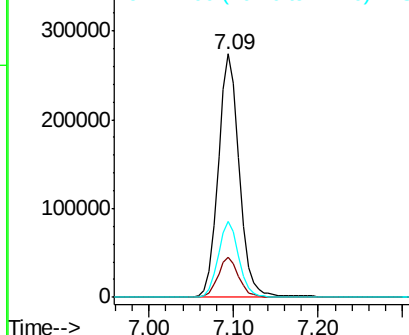
99 100

42 16.5 13.3 19.9

71 31.1 25.3 37.9



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: 3.851 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG046626.D

Acq: 15 Sep 2020 16:07

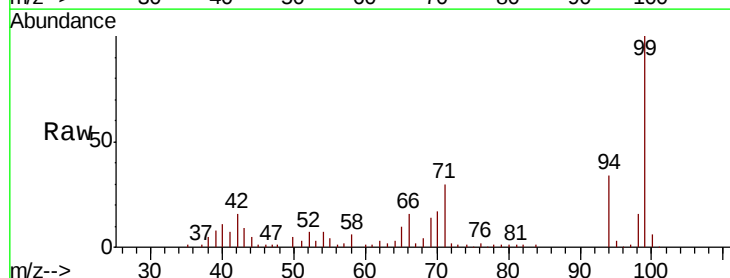
Tgt Ion: 94 Resp: 20187

Ion Ratio Lower Upper

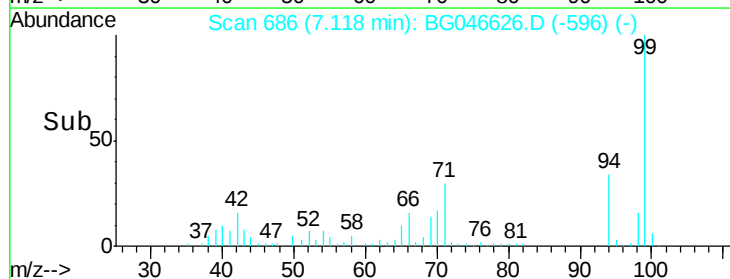
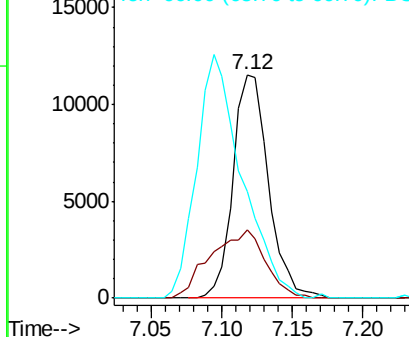
94 100

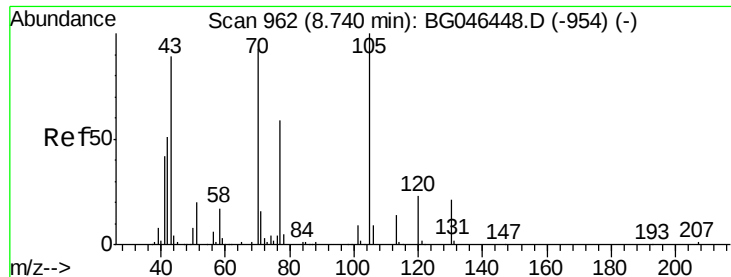
65 30.3 7.5 47.5

66 48.1 14.1 54.1



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

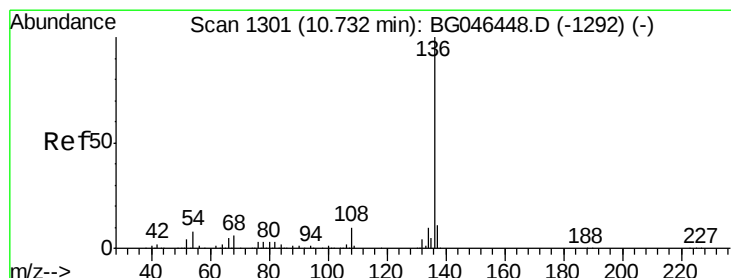
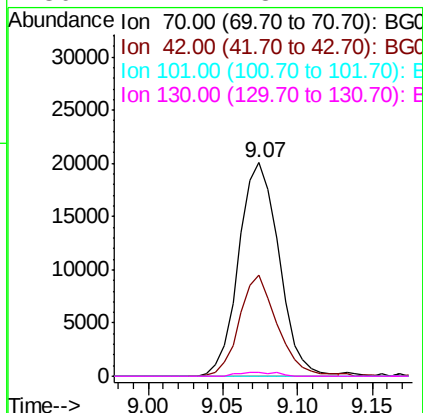
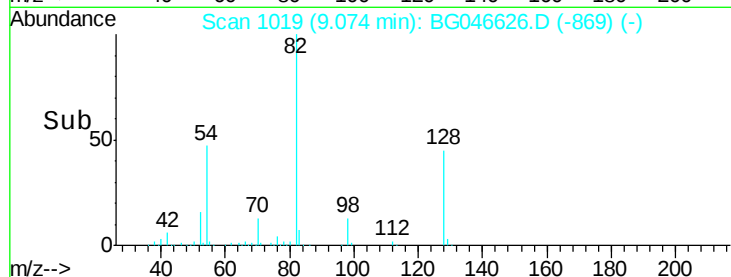
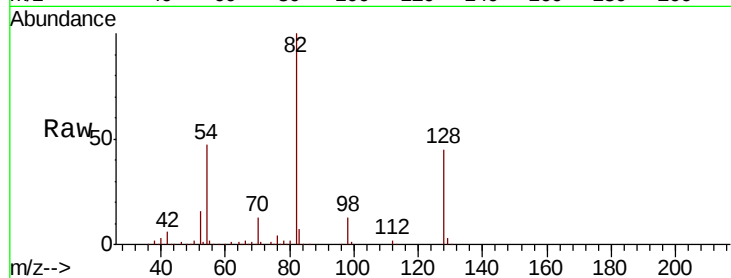




#19  
n-Nitroso-di-n-propylamine  
Concen: 11.029 ng  
RT: 9.07 min Scan# 1019  
Delta R.T. 0.35 min  
Lab File: BG046626.D  
Acq: 15 Sep 2020 16:07

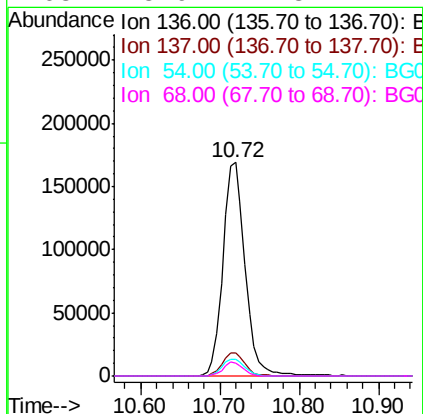
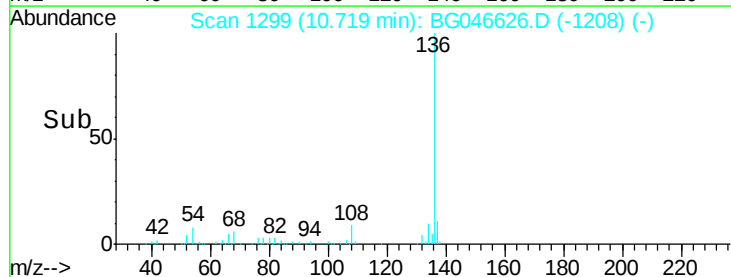
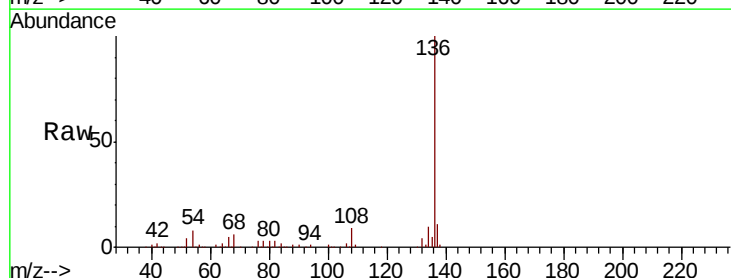
Instrument :  
BNA\_G  
ClientSampleId :  
FK-EF-01-TEST1-ABCD-A

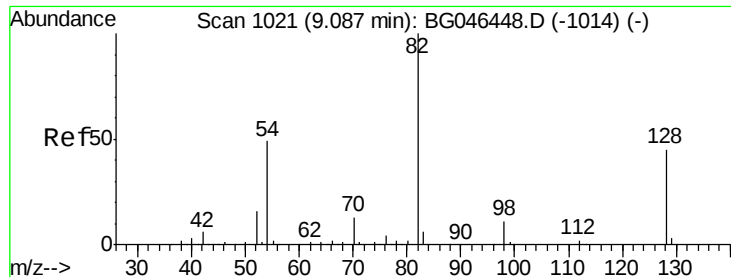
Tot Ion: 70 Resp: 37550  
Ion Ratio Lower Upper  
70 100  
42 47.1 44.2 66.2  
101 0.0 7.8 11.8#  
130 1.7 18.2 27.4#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.72 min Scan# 1299  
Delta R.T. 0.00 min  
Lab File: BG046626.D  
Acq: 15 Sep 2020 16:07

Tgt Ion: 136 Resp: 326867  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.8 13.2  
54 7.7 6.1 9.1  
68 5.9 4.8 7.2

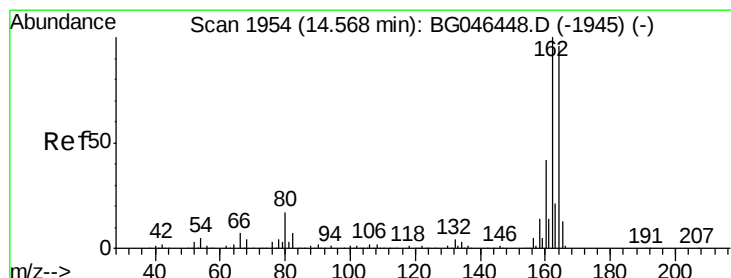
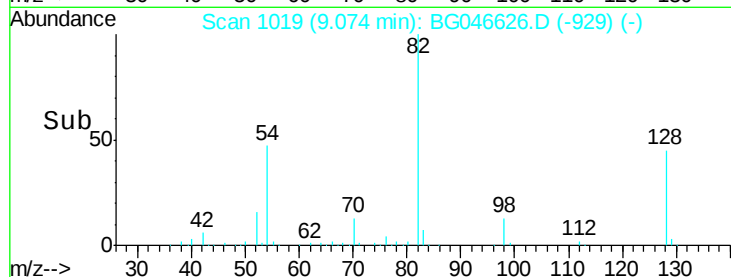
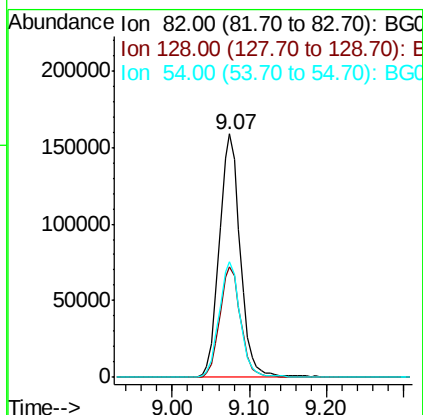
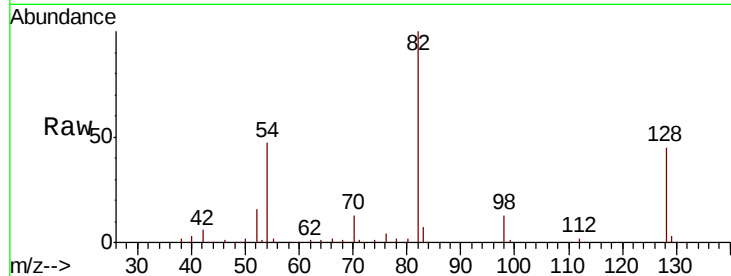




#23  
 Nitrobenzene-d5  
 Concen: 52.222 ng  
 RT: 9.07 min Scan# 1019  
 Delta R.T. -0.00 min  
 Lab File: BG046626.D  
 Acq: 15 Sep 2020 16:07

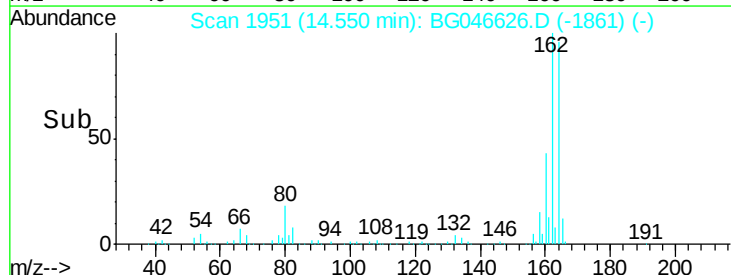
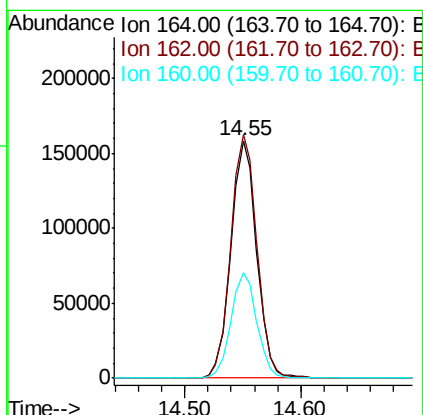
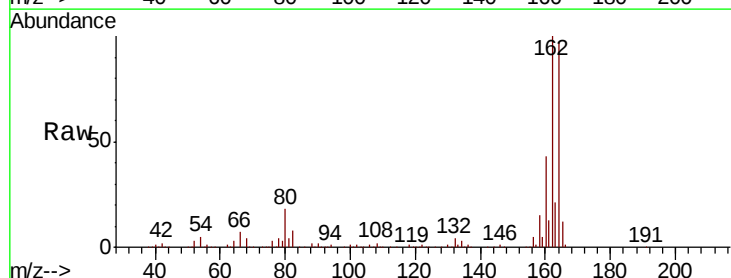
Instrument :  
 BNA\_G  
 ClientSampleId :  
 FK-EF-01-TEST1-ABCD-A

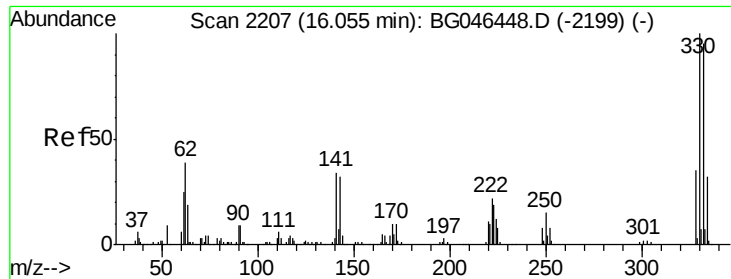
| Tot Ion   | 82   | Resp  | 298656 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 45.4 | 35.7  | 53.5   |
| 54        | 47.5 | 39.4  | 59.0   |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.55 min Scan# 1951  
 Delta R.T. -0.00 min  
 Lab File: BG046626.D  
 Acq: 15 Sep 2020 16:07

| Tgt Ion   | 164   | Resp  | 244405 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 102.6 | 83.3  | 124.9  |
| 160       | 44.4  | 35.0  | 52.6   |

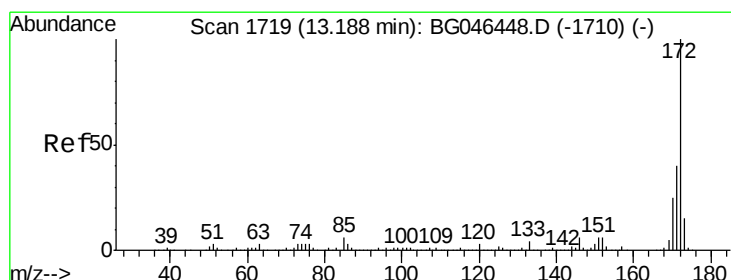
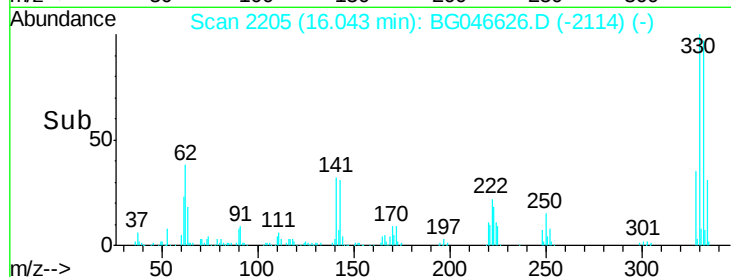
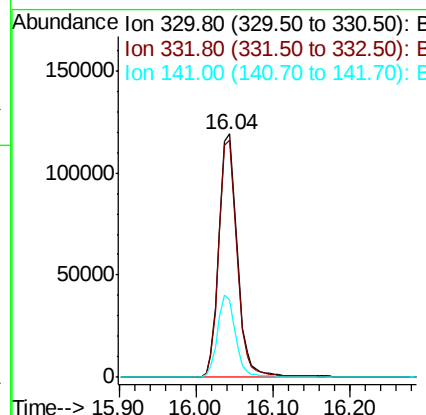
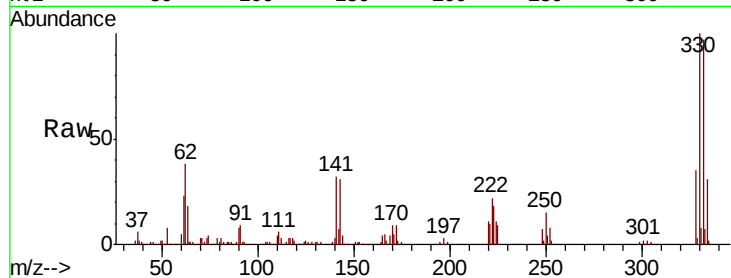




#42  
 2,4,6-Tribromophenol  
 Concen: 59.908 ng  
 RT: 16.04 min Scan# 2205  
 Delta R.T. 0.00 min  
 Lab File: BG046626.D  
 Acq: 15 Sep 2020 16:07

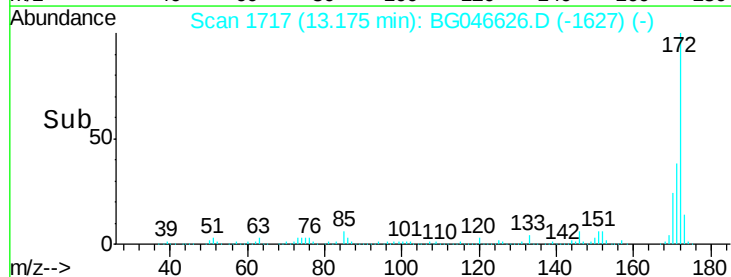
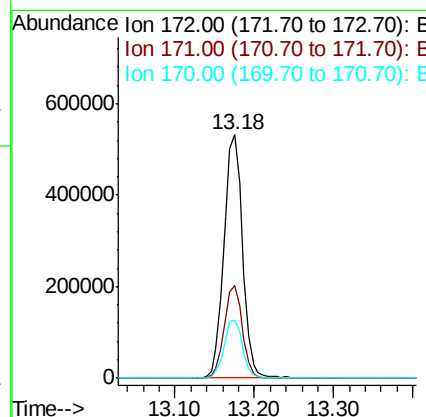
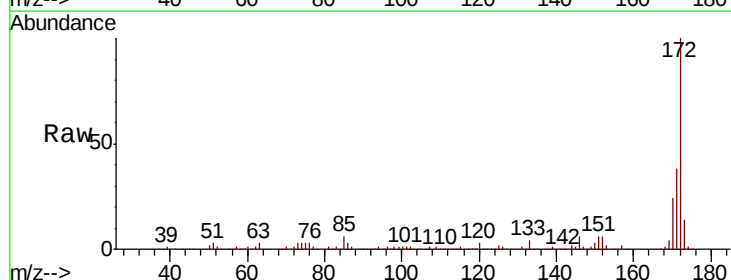
Instrument :  
 BNA\_G  
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 FK-EF-01-TEST1-ABCD-A

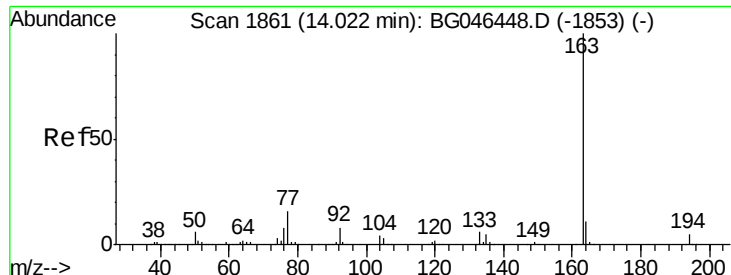
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.1  | 76.1  | 114.1 |
| 141     | 33.1  | 26.1  | 39.1  |



#45  
 2-Fluorobiphenyl  
 Concen: 54.159 ng  
 RT: 13.18 min Scan# 1717  
 Delta R.T. -0.00 min  
 Lab File: BG046626.D  
 Acq: 15 Sep 2020 16:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.9  | 31.8  | 47.6  |
| 170     | 23.8  | 20.3  | 30.5  |





#50

Dimethylphthalate

Concen: 6.795 ng

RT: 14.00 min Scan# 1858

Delta R.T. -0.00 min

Lab File: BG046626.D

Acq: 15 Sep 2020 16:07

Instrument :

BNA\_G

ClientSampleId :

FK-EF-01-TEST1-ABCD-A

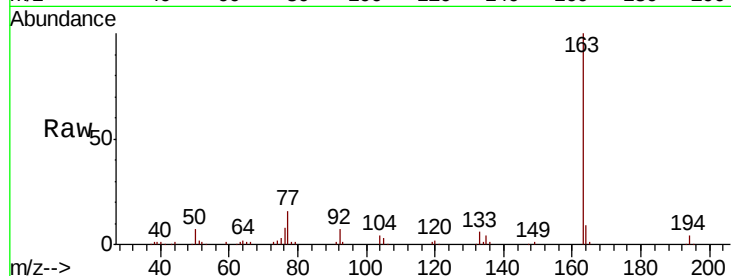
Tot Ion:163 Resp: 128474

Ion Ratio Lower Upper

163 100

194 4.4 3.7 5.5

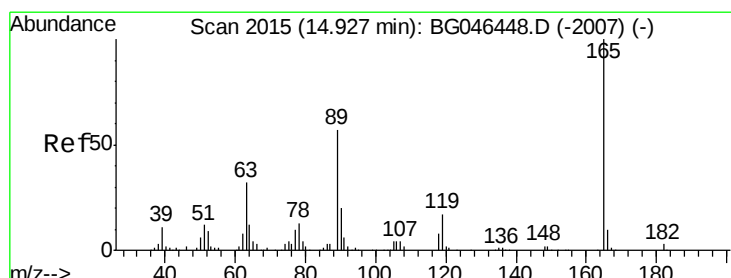
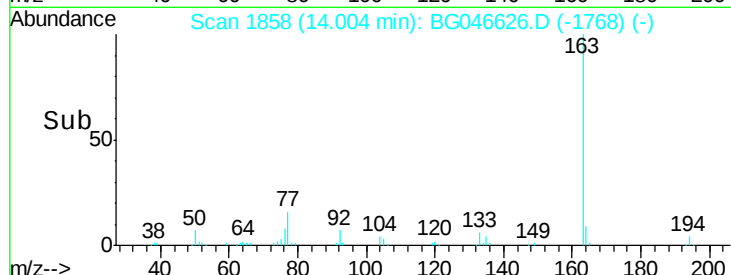
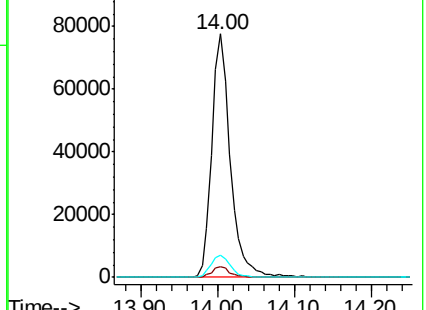
164 9.2 8.6 12.8



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



#57

2,4-Dinitrotoluene

Concen: 5.448 ng

RT: 14.55 min Scan# 1951

Delta R.T. -0.37 min

Lab File: BG046626.D

Acq: 15 Sep 2020 16:07

Tgt Ion:165 Resp: 32380

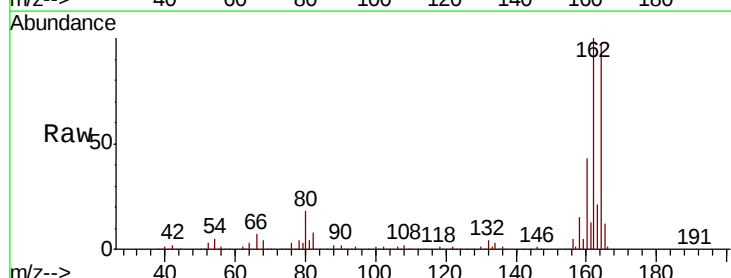
Ion Ratio Lower Upper

165 100

63 1.0 25.4 38.0#

89 1.4 45.9 68.9#

182 0.0 2.3 3.5#

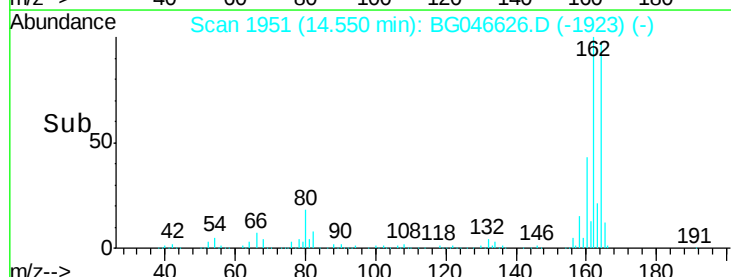
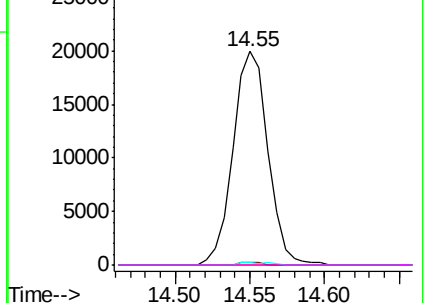


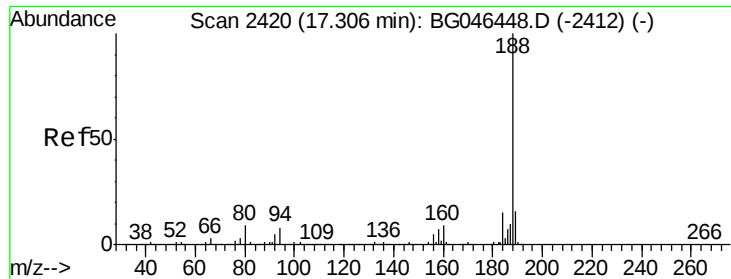
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.29 min Scan# 2418

Delta R.T. -0.00 min

Lab File: BG046626.D

Acq: 15 Sep 2020 16:07

Instrument :

BNA\_G

ClientSampleId :

FK-EF-01-TEST1-ABCD-A

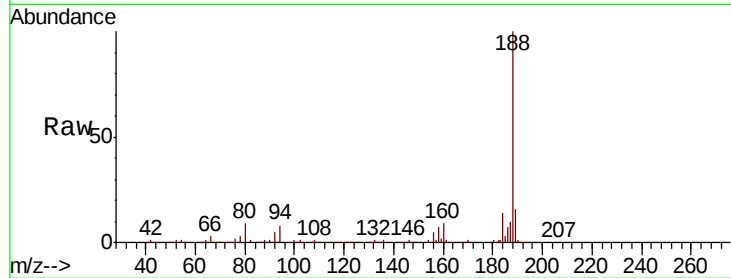
Tot Ion:188 Resp: 490584

Ion Ratio Lower Upper

188 100

94 7.9 6.3 9.5

80 8.6 6.9 10.3

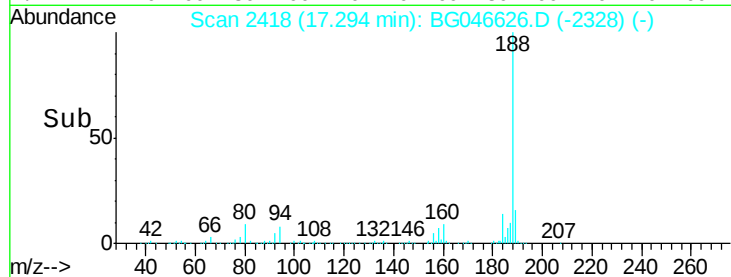


Abundance Ion 188.00 (187.70 to 188.70): E

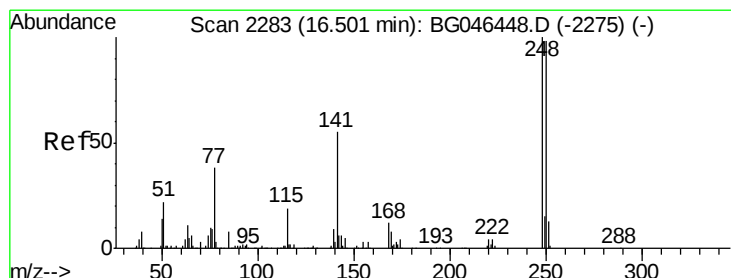
Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG

Time-->



Time-->



#67

4-Bromophenyl-phenylether

Concen: 2.676 ng

RT: 16.04 min Scan# 2204

Delta R.T. -0.45 min

Lab File: BG046626.D

Acq: 15 Sep 2020 16:07

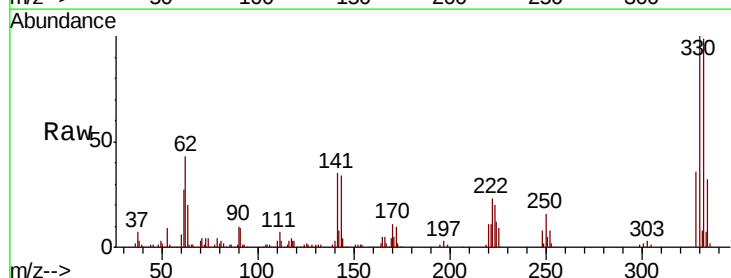
Tgt Ion:248 Resp: 15319

Ion Ratio Lower Upper

248 100

250 190.8 78.6 118.0#

141 424.8 43.9 65.9#

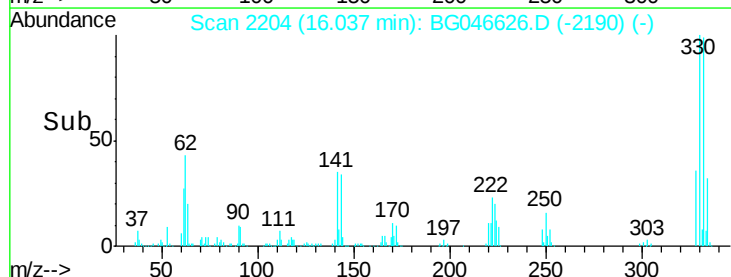


Abundance Ion 248.00 (247.70 to 248.70): E

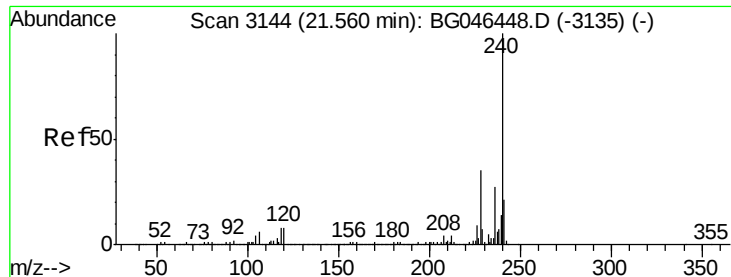
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time-->



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.54 min Scan# 3141

Delta R.T. -0.00 min

Lab File: BG046626.D

Acq: 15 Sep 2020 16:07

Instrument :

BNA\_G

ClientSampleId :

FK-EF-01-TEST1-ABCD-A

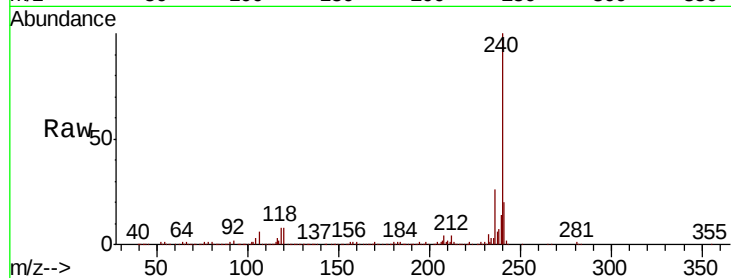
Tot Ion:240 Resp: 479484

Ion Ratio Lower Upper

240 100

120 8.4 6.6 10.0

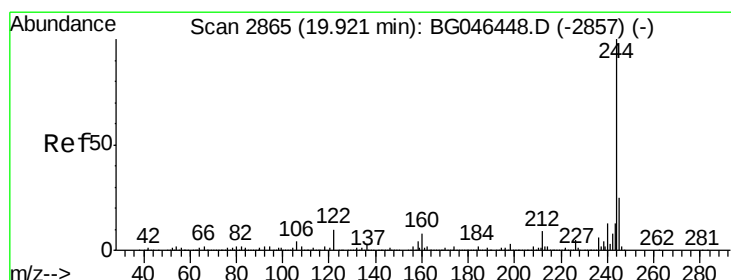
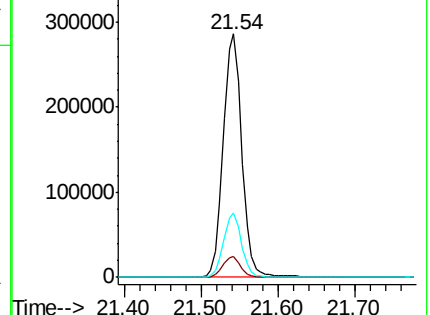
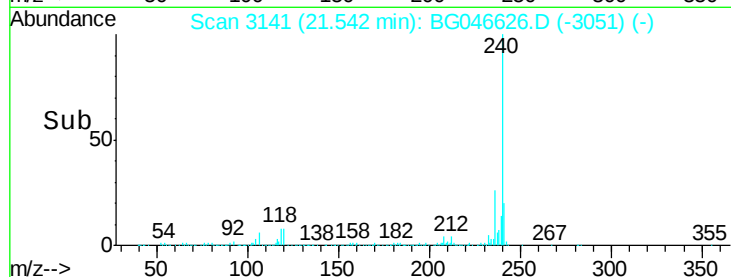
236 26.3 21.4 32.2



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: 45.962 ng

RT: 19.91 min Scan# 2863

Delta R.T. -0.00 min

Lab File: BG046626.D

Acq: 15 Sep 2020 16:07

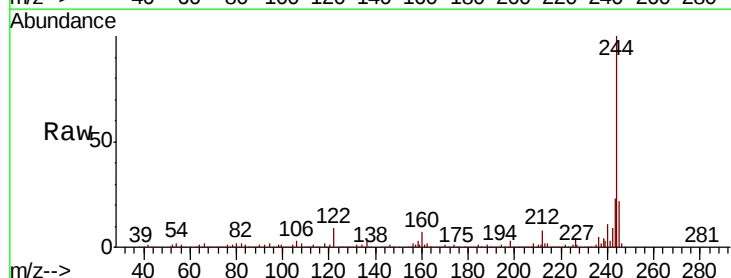
Tgt Ion:244 Resp: 1035529

Ion Ratio Lower Upper

244 100

212 7.6 6.9 10.3

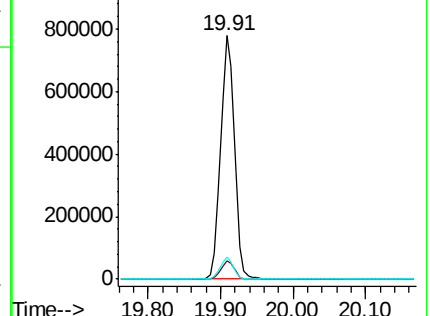
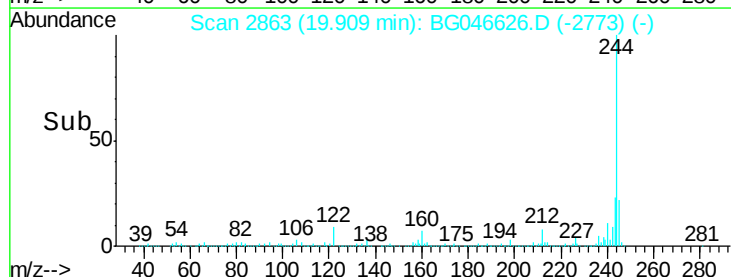
122 9.1 8.2 12.4

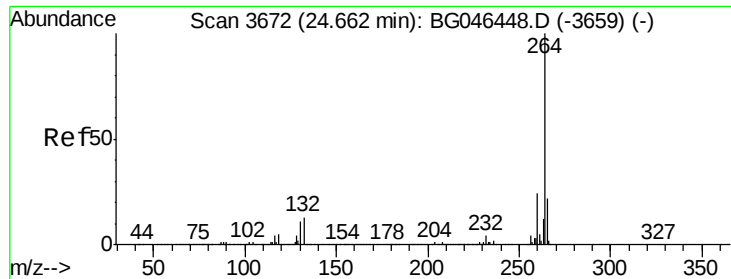


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 24.64 min Scan# 3668  
 Delta R.T. 0.00 min  
 Lab File: BG046626.D  
 Acq: 15 Sep 2020 16:07

Instrument :  
 BNA\_G  
 ClientSampleId :  
 FK-EF-01-TEST1-ABCD-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.5  | 19.2  | 28.8  |
| 265     | 21.5  | 17.9  | 26.9  |

