

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090320\  
 Data File : BG046526.D  
 Acq On : 3 Sep 2020 21:31  
 Operator : CG/JU  
 Sample : L3877-08  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-2

Quant Time: Sep 04 01:24:13 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 02 15:06:53 2020  
 Response via : Initial Calibration

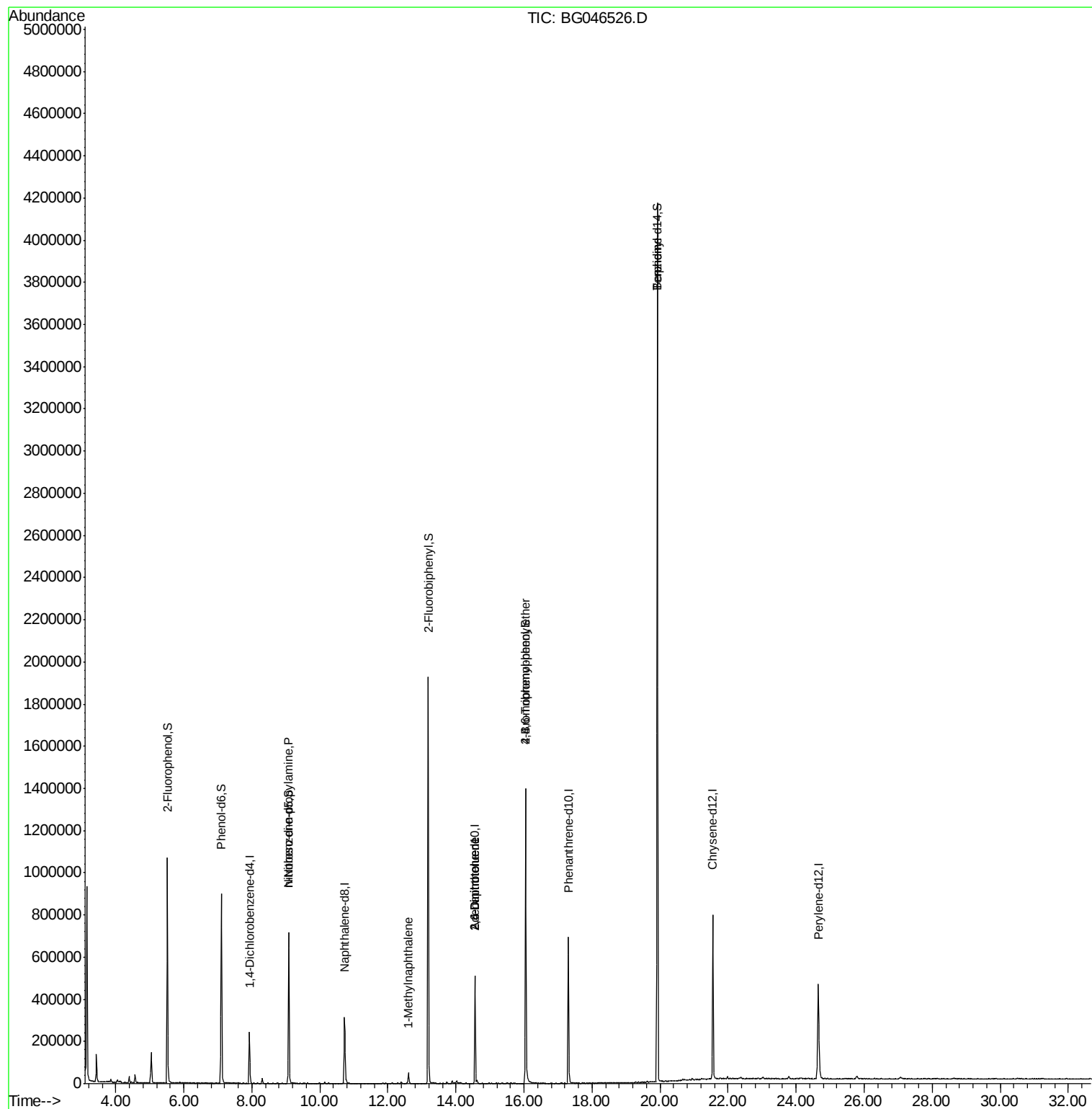
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|--------------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.93  | 152  | 77375    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8             | 10.72 | 136  | 302809   | 20.00  | ng    | 0.00           |
| 39) Acenaphthene-d10           | 14.56 | 164  | 193134   | 20.00  | ng    | 0.00           |
| 64) Phenanthrene-d10           | 17.30 | 188  | 472386   | 20.00  | ng    | 0.00           |
| 76) Chrysene-d12               | 21.55 | 240  | 519576   | 20.00  | ng    | 0.00           |
| 86) Perylene-d12               | 24.65 | 264  | 500310   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds    |       |      |          |        |       |                |
| 5) 2-Fluorophenol              | 5.52  | 112  | 484941   | 111.01 | ng    | 0.00           |
| 7) Phenol-d6                   | 7.10  | 99   | 567217   | 91.59  | ng    | 0.00           |
| 23) Nitrobenzene-d5            | 9.08  | 82   | 458186   | 86.48  | ng    | 0.00           |
| 42) 2,4,6-Tribromophenol       | 16.05 | 330  | 303084   | 115.82 | ng    | 0.00           |
| 45) 2-Fluorobiphenyl           | 13.19 | 172  | 1101676  | 87.08  | ng    | 0.00           |
| 79) Terphenyl-d14              | 19.92 | 244  | 1861817  | 76.26  | ng    | 0.00           |
| Target Compounds               |       |      |          |        |       |                |
| 19) n-Nitroso-di-n-propylamine | 9.08  | 70   | 58382    | 15.760 | ng    | Qvalue<br># 79 |
| 38) 1-Methylnaphthalene        | 12.60 | 142  | 27925    | 2.528  | ng    | 100            |
| 51) 2,6-Dinitrotoluene         | 14.56 | 165  | 26103    | 7.925  | ng    | # 32           |
| 57) 2,4-Dinitrotoluene         | 14.56 | 165  | 26103    | 5.558  | ng    | # 32           |
| 67) 4-Bromophenyl-phenylether  | 16.05 | 248  | 22963    | 4.167  | ng    | # 1            |
| 77) Benzidine                  | 19.92 | 184  | 29170    | 2.416  | ng    | 97             |

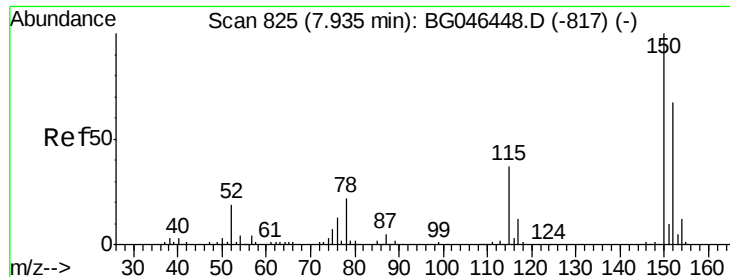
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090320\  
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Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
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Quant Time: Sep 04 01:24:13 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Sep 02 15:06:53 2020  
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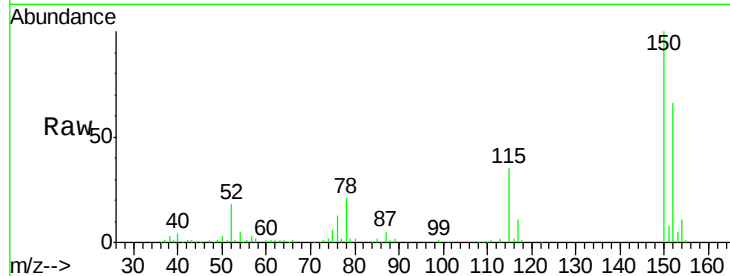


#1

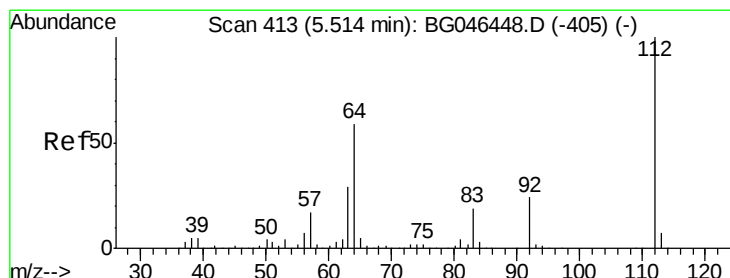
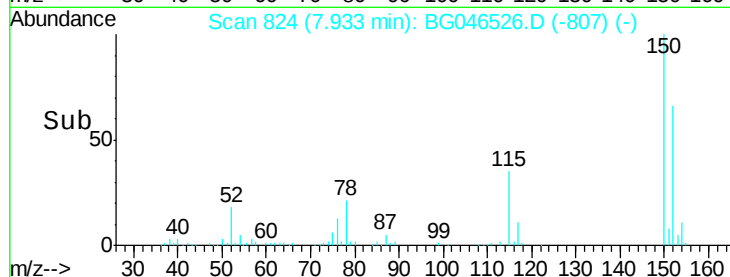
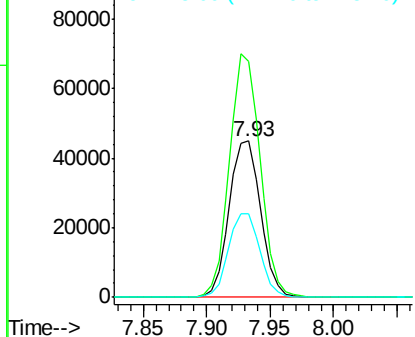
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.93 min Scan# 824  
Delta R.T. -0.00 min  
Lab File: BG046526.D  
Acq: 3 Sep 2020 21:31

Instrument :  
BNA\_G  
ClientSampled :  
TP-2

Tot Ion:152 Resp: 77375  
Ion Ratio Lower Upper  
152 100  
150 150.9 119.5 179.3  
115 53.4 44.3 66.5



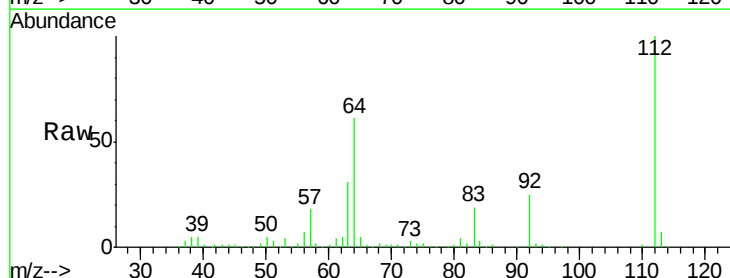
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



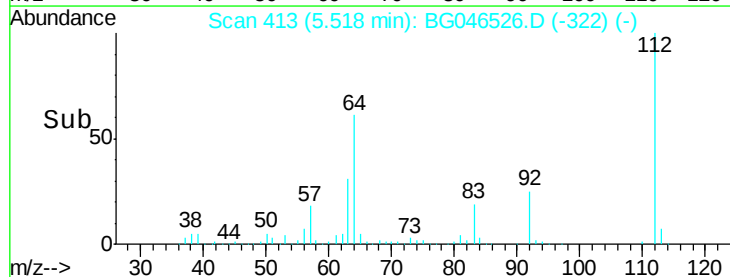
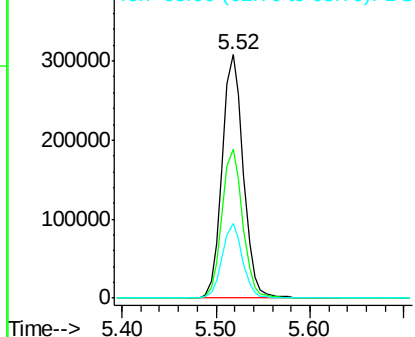
#5

2-Fluorophenol  
Concen: 111.007 ng  
RT: 5.52 min Scan# 413  
Delta R.T. 0.00 min  
Lab File: BG046526.D  
Acq: 3 Sep 2020 21:31

Tgt Ion:112 Resp: 484941  
Ion Ratio Lower Upper  
112 100  
64 61.0 47.0 70.6  
63 30.5 23.5 35.3



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: 91.592 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG046526.D

Acq: 3 Sep 2020 21:31

Instrument :

BNA\_G

ClientSampleId :

TP-2

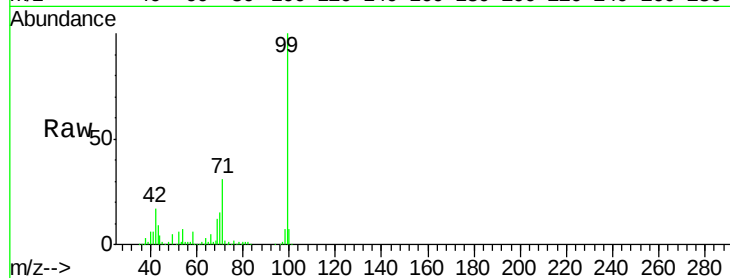
Tot Ion: 99 Resp: 567217

Ion Ratio Lower Upper

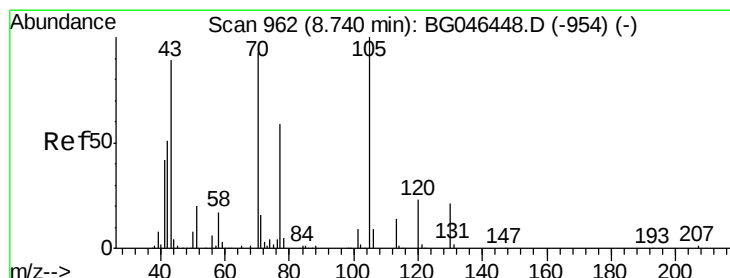
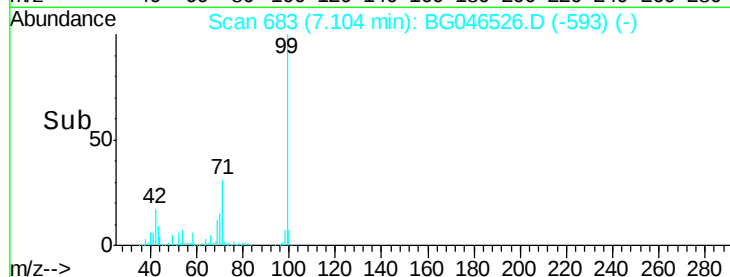
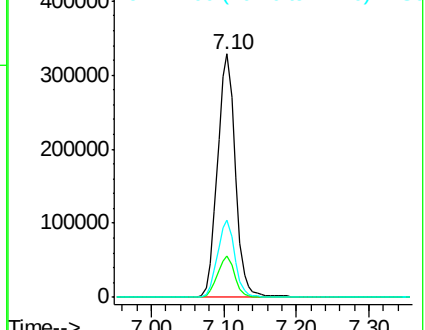
99 100

42 17.0 13.3 19.9

71 31.5 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.760 ng

RT: 9.08 min Scan# 1020

Delta R.T. 0.35 min

Lab File: BG046526.D

Acq: 3 Sep 2020 21:31

Tgt Ion: 70 Resp: 58382

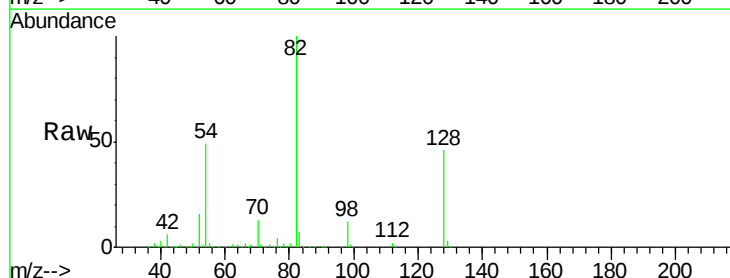
Ion Ratio Lower Upper

70 100

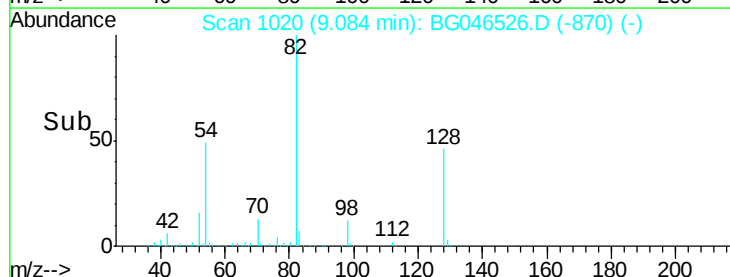
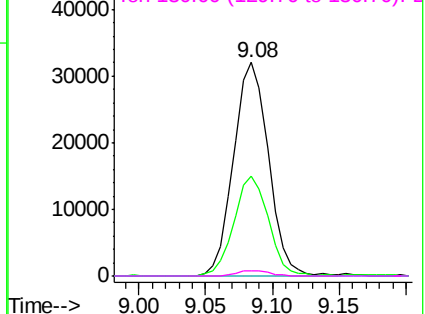
42 46.8 44.2 66.2

101 0.0 7.8 11.8#

130 2.4 18.2 27.4#



Abundance Ion 70.00 (69.70 to 70.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 101.00 (100.70 to 101.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC

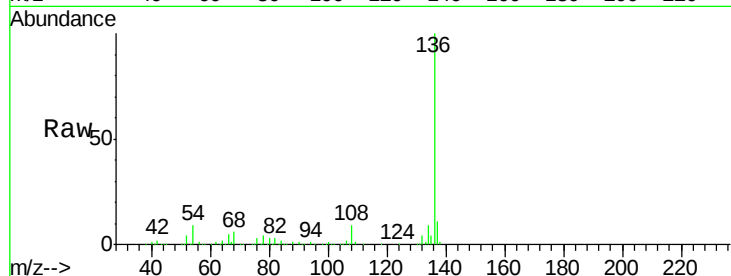




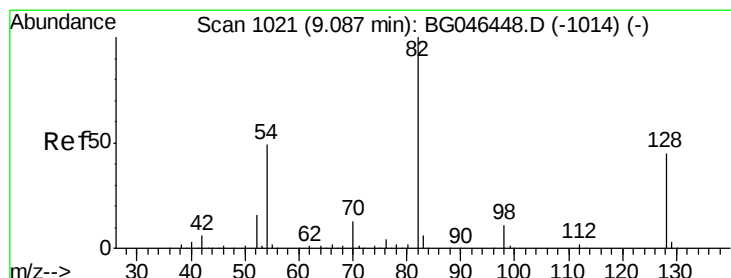
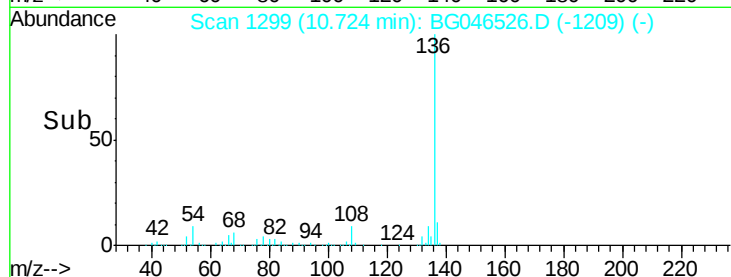
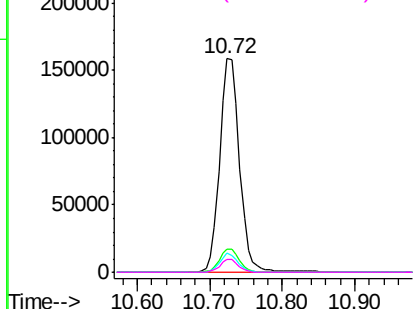
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.72 min Scan# 1299  
Delta R.T. -0.00 min  
Lab File: BG046526.D  
Acq: 3 Sep 2020 21:31

Instrument :  
BNA\_G  
ClientSampleId :  
TP-2

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 302809      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 10.9  | 8.8 13.2    |
| 54          | 8.7   | 6.1 9.1     |
| 68          | 6.0   | 4.8 7.2     |

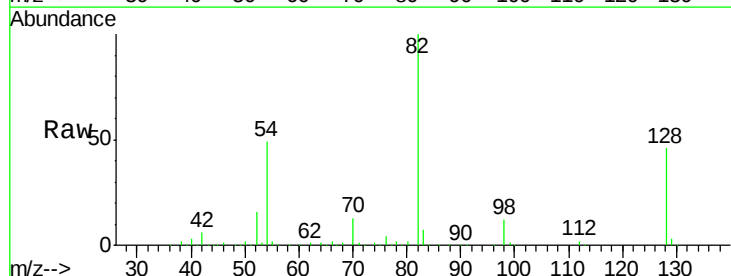


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

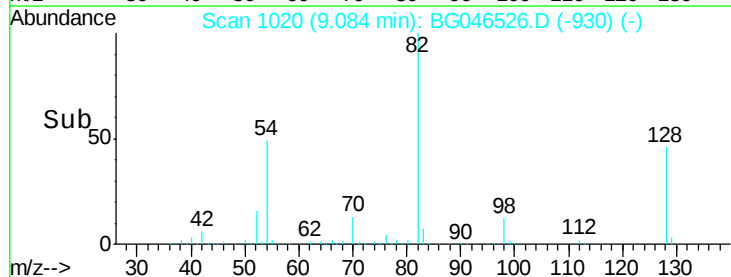
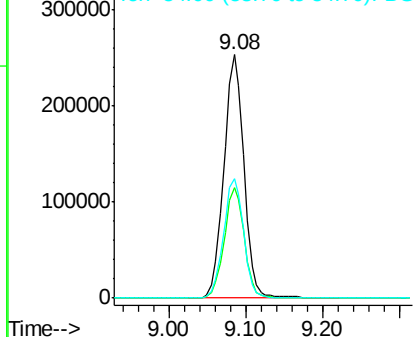


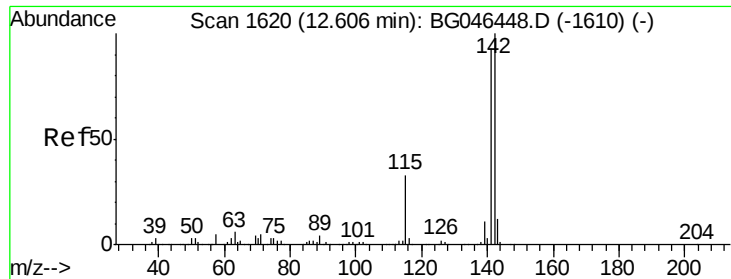
#23  
Nitrobenzene-d5  
Concen: 86.482 ng  
RT: 9.08 min Scan# 1020  
Delta R.T. -0.00 min  
Lab File: BG046526.D  
Acq: 3 Sep 2020 21:31

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 458186      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 45.5  | 35.7 53.5   |
| 54          | 49.0  | 39.4 59.0   |



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

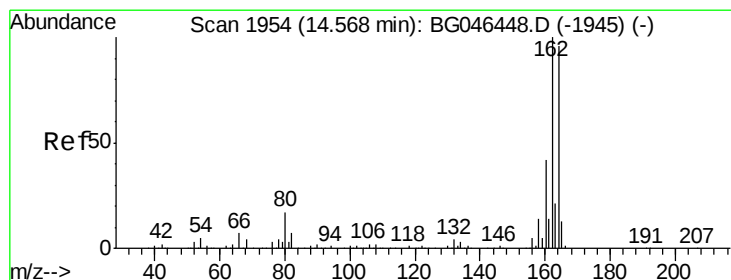
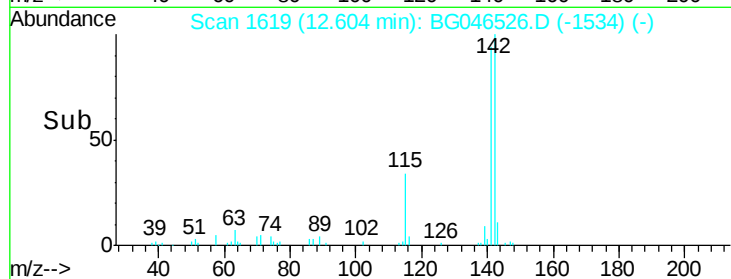
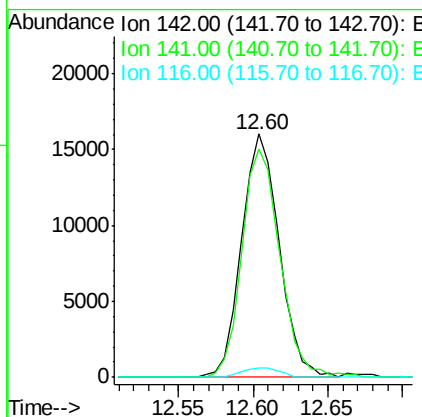
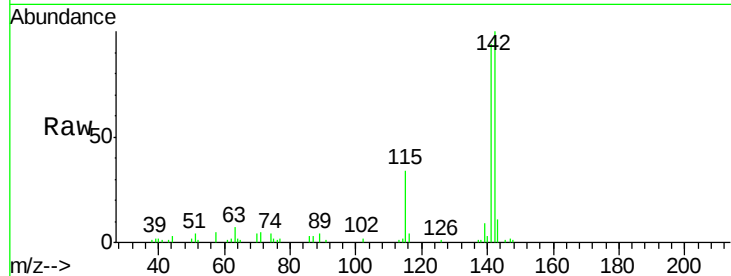




#38  
1-Methylnaphthalene  
Concen: 2.528 ng  
RT: 12.60 min Scan# 1619  
Delta R.T. -0.00 min  
Lab File: BG046526.D  
Acq: 3 Sep 2020 21:31

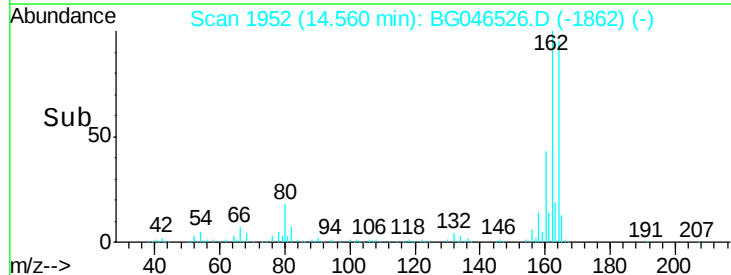
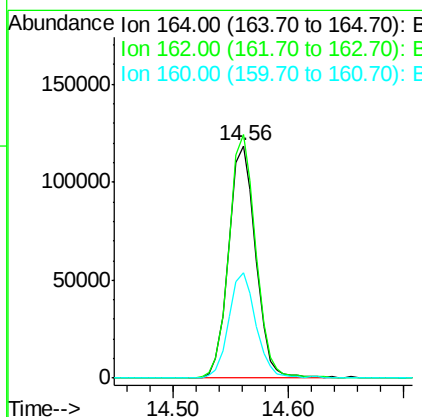
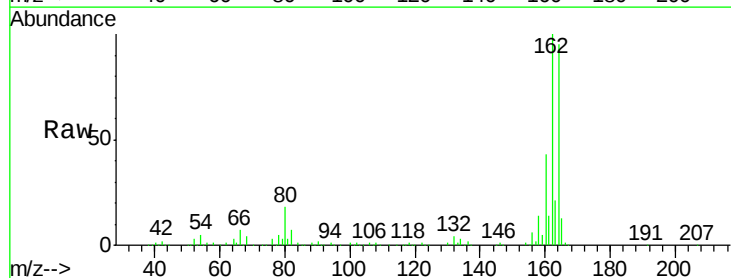
Instrument :  
BNA\_G  
ClientSampleId :  
TP-2

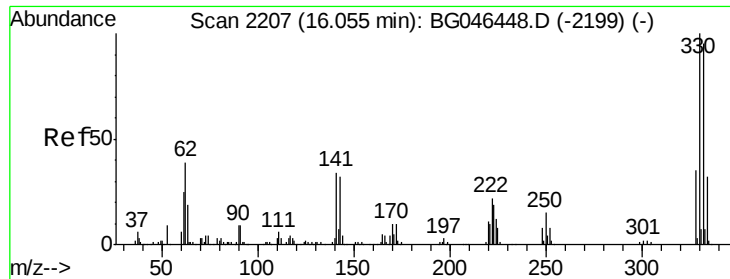
Tot Ion:142 Resp: 27925  
Ion Ratio Lower Upper  
142 100  
141 93.8 74.7 112.1  
116 3.7 2.6 4.0



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.56 min Scan# 1952  
Delta R.T. -0.00 min  
Lab File: BG046526.D  
Acq: 3 Sep 2020 21:31

Tgt Ion:164 Resp: 193134  
Ion Ratio Lower Upper  
164 100  
162 104.9 83.3 124.9  
160 45.6 35.0 52.6

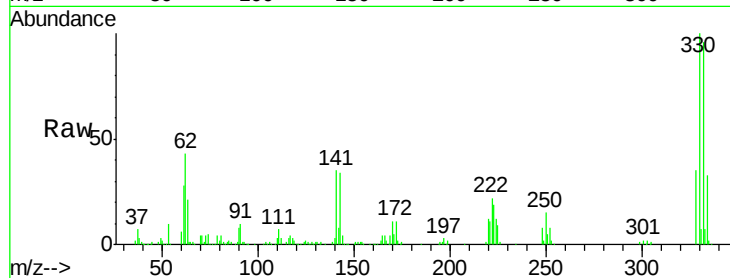




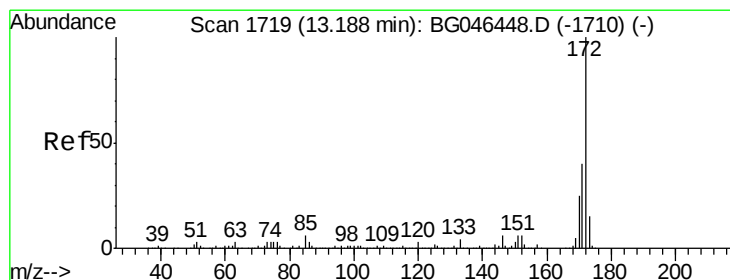
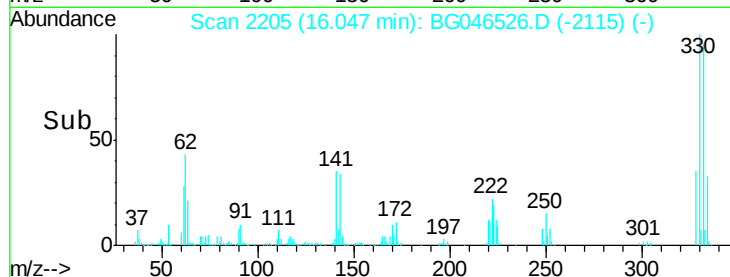
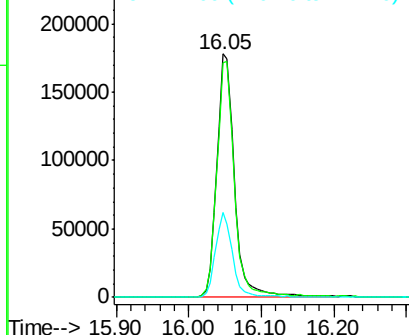
#42  
 2,4,6-Tribromophenol  
 Concen: 115.821 ng  
 RT: 16.05 min Scan# 2205  
 Delta R.T. -0.00 min  
 Lab File: BG046526.D  
 Acq: 3 Sep 2020 21:31

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-2

Tot Ion:330 Resp: 303084  
 Ion Ratio Lower Upper  
 330 100  
 332 98.0 76.1 114.1  
 141 33.8 26.1 39.1

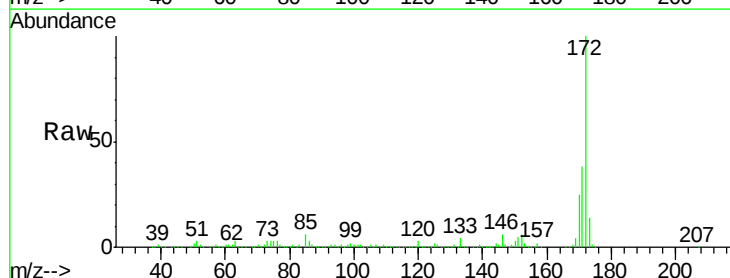


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

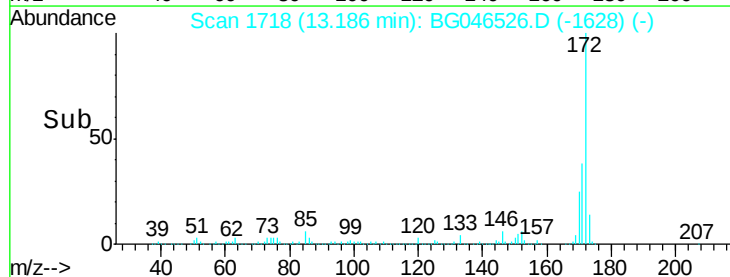
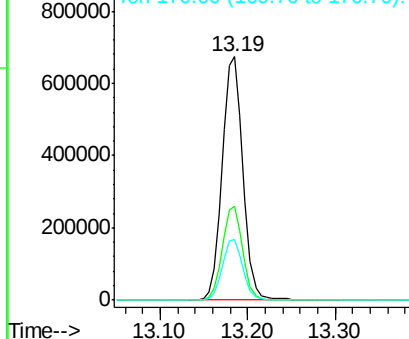


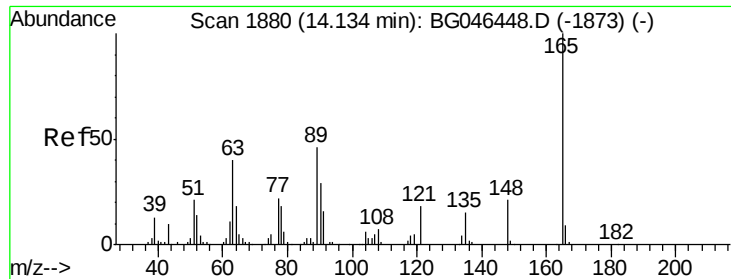
#45  
 2-Fluorobiphenyl  
 Concen: 87.078 ng  
 RT: 13.19 min Scan# 1718  
 Delta R.T. -0.00 min  
 Lab File: BG046526.D  
 Acq: 3 Sep 2020 21:31

Tgt Ion:172 Resp: 1101676  
 Ion Ratio Lower Upper  
 172 100  
 171 38.3 31.8 47.6  
 170 25.0 20.3 30.5



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

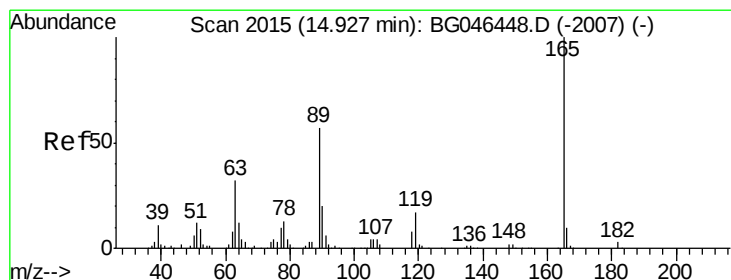
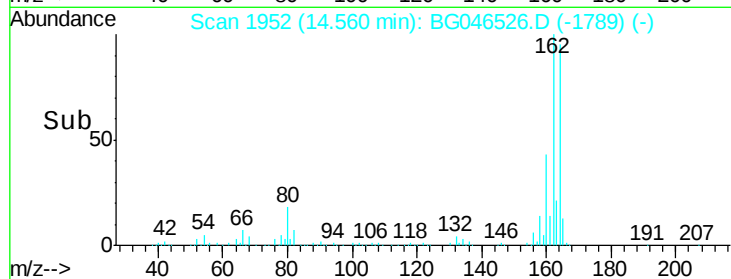
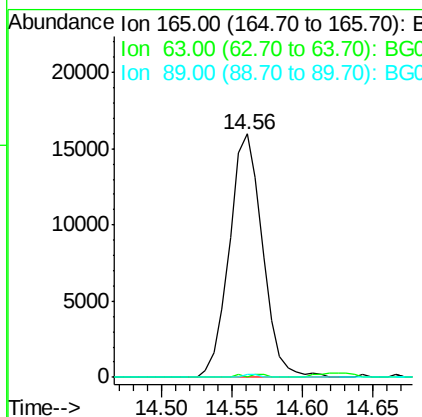
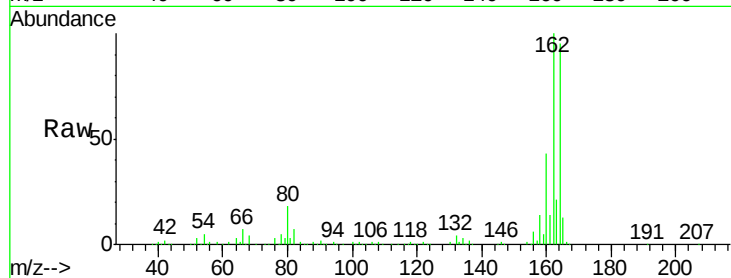




#51  
 2,6-Dinitrotoluene  
 Concen: 7.925 ng  
 RT: 14.56 min Scan# 1952  
 Delta R.T. 0.43 min  
 Lab File: BG046526.D  
 Acq: 3 Sep 2020 21:31

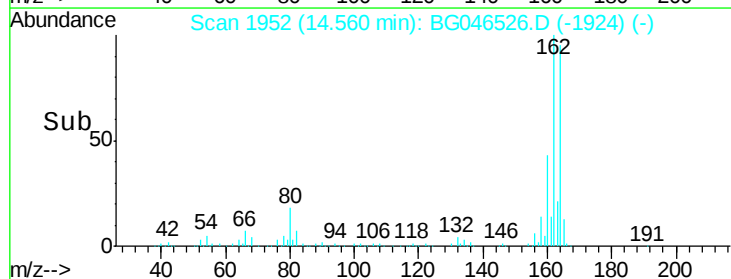
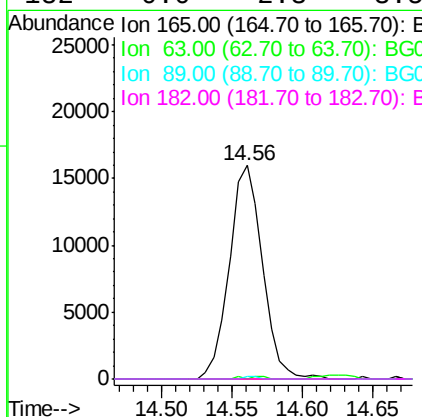
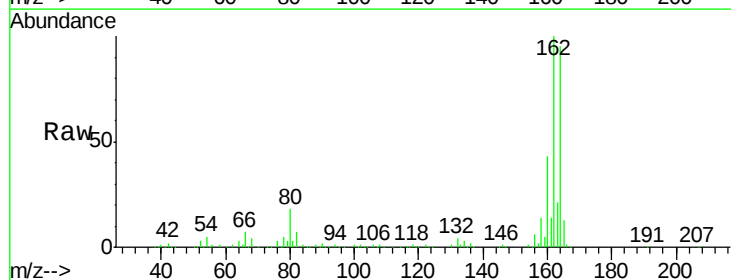
Instrument :  
 BNA\_G  
 ClientSampleId :  
 TP-2

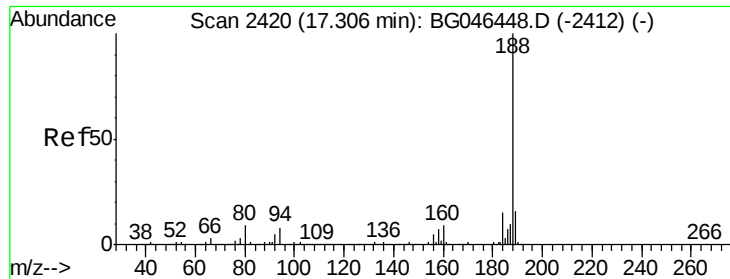
Tot Ion:165 Resp: 26103  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 34.2 51.4#  
 89 1.1 37.0 55.4#



#57  
 2,4-Dinitrotoluene  
 Concen: 5.558 ng  
 RT: 14.56 min Scan# 1952  
 Delta R.T. -0.37 min  
 Lab File: BG046526.D  
 Acq: 3 Sep 2020 21:31

Tgt Ion:165 Resp: 26103  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 25.4 38.0#  
 89 1.1 45.9 68.9#  
 182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.30 min Scan# 2419

Delta R.T. -0.00 min

Lab File: BG046526.D

Acq: 3 Sep 2020 21:31

Instrument :

BNA\_G

ClientSampleId :

TP-2

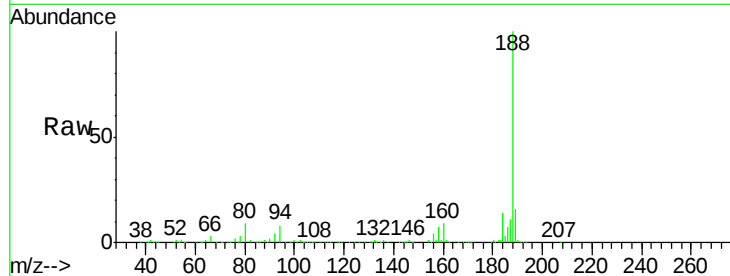
Tot Ion:188 Resp: 472386

Ion Ratio Lower Upper

188 100

94 7.7 6.3 9.5

80 8.5 6.9 10.3



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

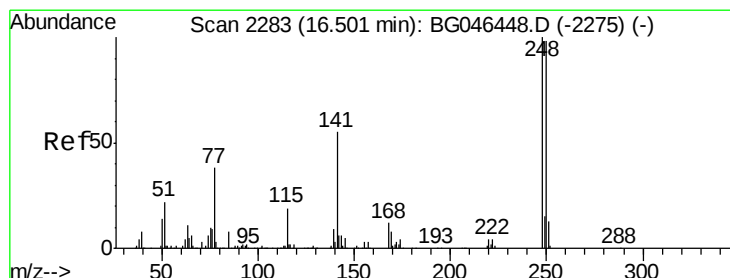
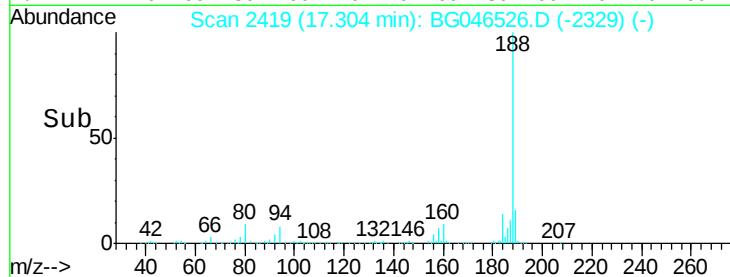
17.30

200000

100000

0

Time--> 17.20 17.30 17.40



#67

4-Bromophenyl-phenylether

Concen: 4.167 ng

RT: 16.05 min Scan# 2205

Delta R.T. -0.45 min

Lab File: BG046526.D

Acq: 3 Sep 2020 21:31

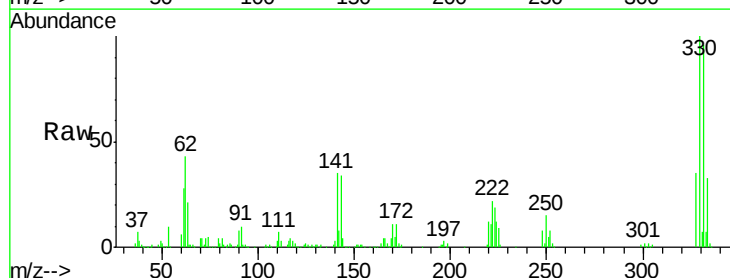
Tgt Ion:248 Resp: 22963

Ion Ratio Lower Upper

248 100

250 196.0 78.6 118.0#

141 451.7 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

16.05

80000

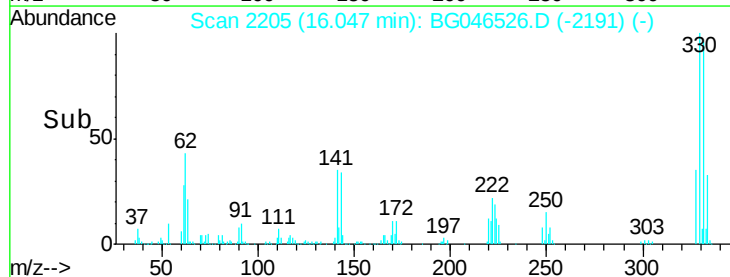
60000

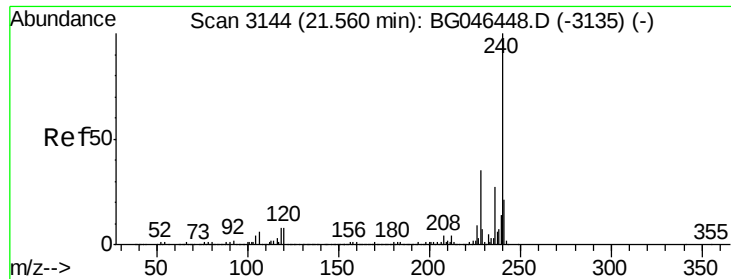
40000

20000

0

Time--> 16.00 16.10

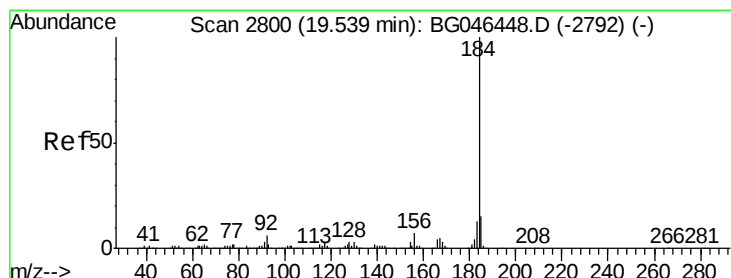
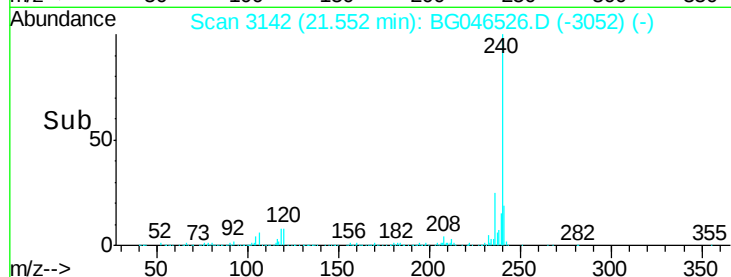
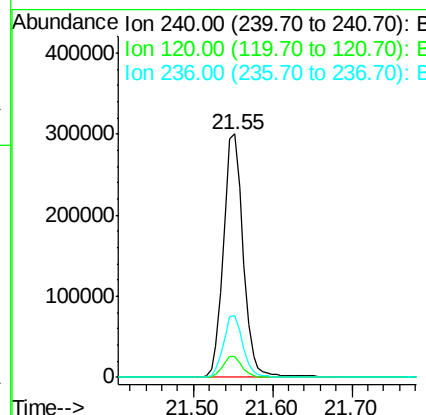
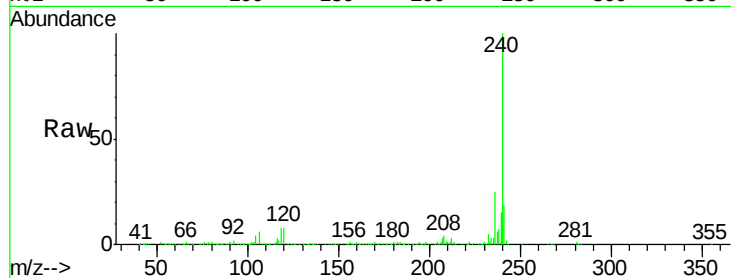




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.55 min Scan# 3142  
Delta R.T. -0.00 min  
Lab File: BG046526.D  
Acq: 3 Sep 2020 21:31

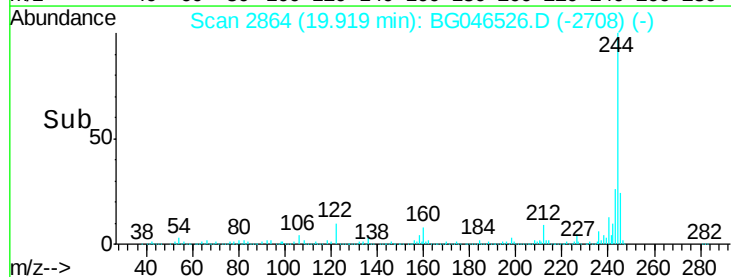
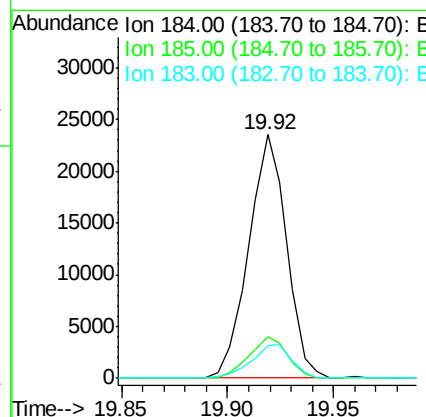
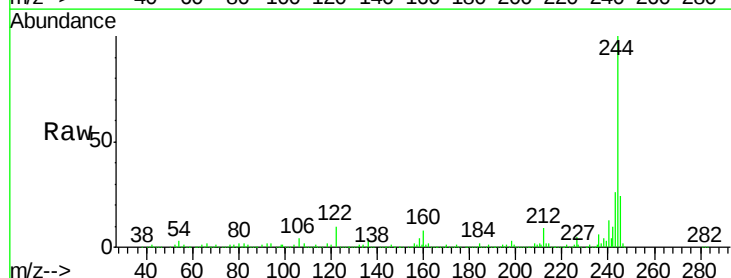
Instrument :  
BNA\_G  
ClientSampleId :  
TP-2

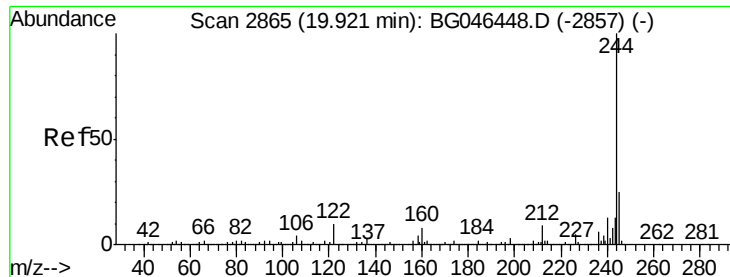
Tot Ion:240 Resp: 519576  
Ion Ratio Lower Upper  
240 100  
120 8.4 6.6 10.0  
236 25.2 21.4 32.2



#77  
Benzidine  
Concen: 2.416 ng  
RT: 19.92 min Scan# 2864  
Delta R.T. 0.39 min  
Lab File: BG046526.D  
Acq: 3 Sep 2020 21:31

Tgt Ion:184 Resp: 29170  
Ion Ratio Lower Upper  
184 100  
185 17.2 11.8 17.8  
183 13.4 10.7 16.1





#79

Terphenyl-d14

Concen: 76.260 ng

RT: 19.92 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BG046526.D

Acq: 3 Sep 2020 21:31

Instrument :

BNA\_G

ClientSampleId :

TP-2

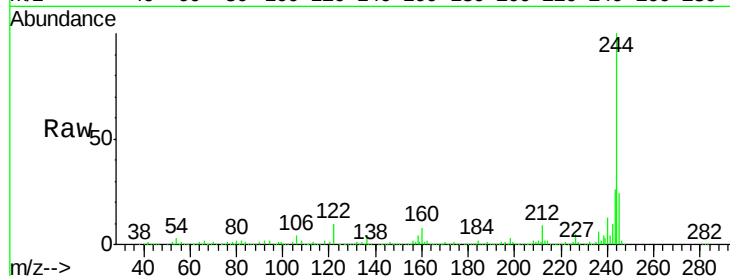
Tot Ion:244 Resp: 1861817

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.7   | 6.9   | 10.3  |
| 122 | 10.1  | 8.2   | 12.4  |

244 100

212 8.7 6.9 10.3

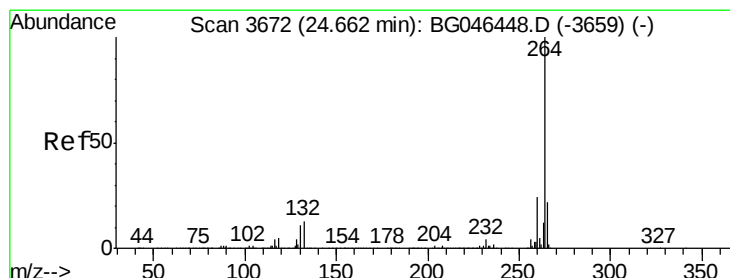
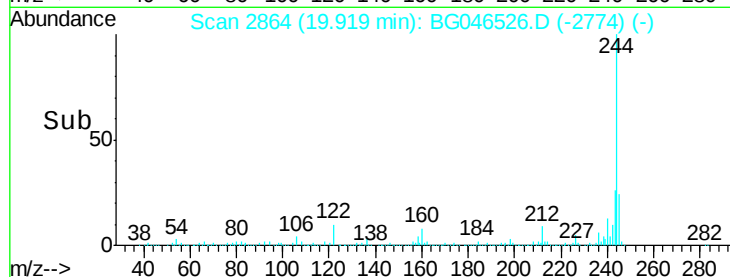
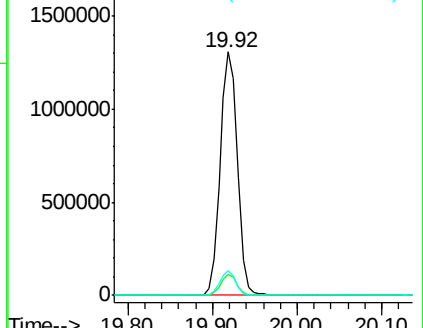
122 10.1 8.2 12.4



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

Perylene-d12

Concen: 20.000 ng

RT: 24.65 min Scan# 3670

Delta R.T. -0.00 min

Lab File: BG046526.D

Acq: 3 Sep 2020 21:31

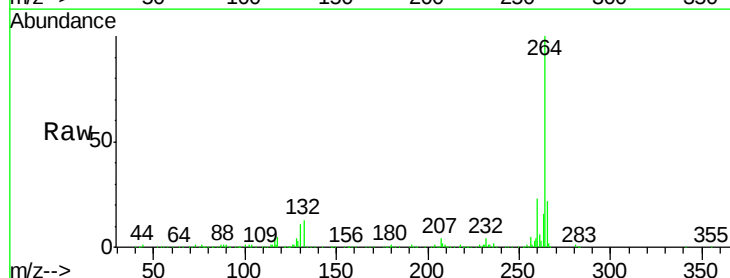
Tgt Ion:264 Resp: 500310

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.2  | 19.2  | 28.8  |
| 265 | 21.6  | 17.9  | 26.9  |

264 100

260 23.2 19.2 28.8

265 21.6 17.9 26.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

