

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081420\  
 Data File : BG046277.D  
 Acq On : 14 Aug 2020 15:58  
 Operator : CG/JU  
 Sample : L3504-06  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EO-02-081120

Quant Time: Aug 14 16:44:35 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG073020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 30 18:43:49 2020  
 Response via : Initial Calibration

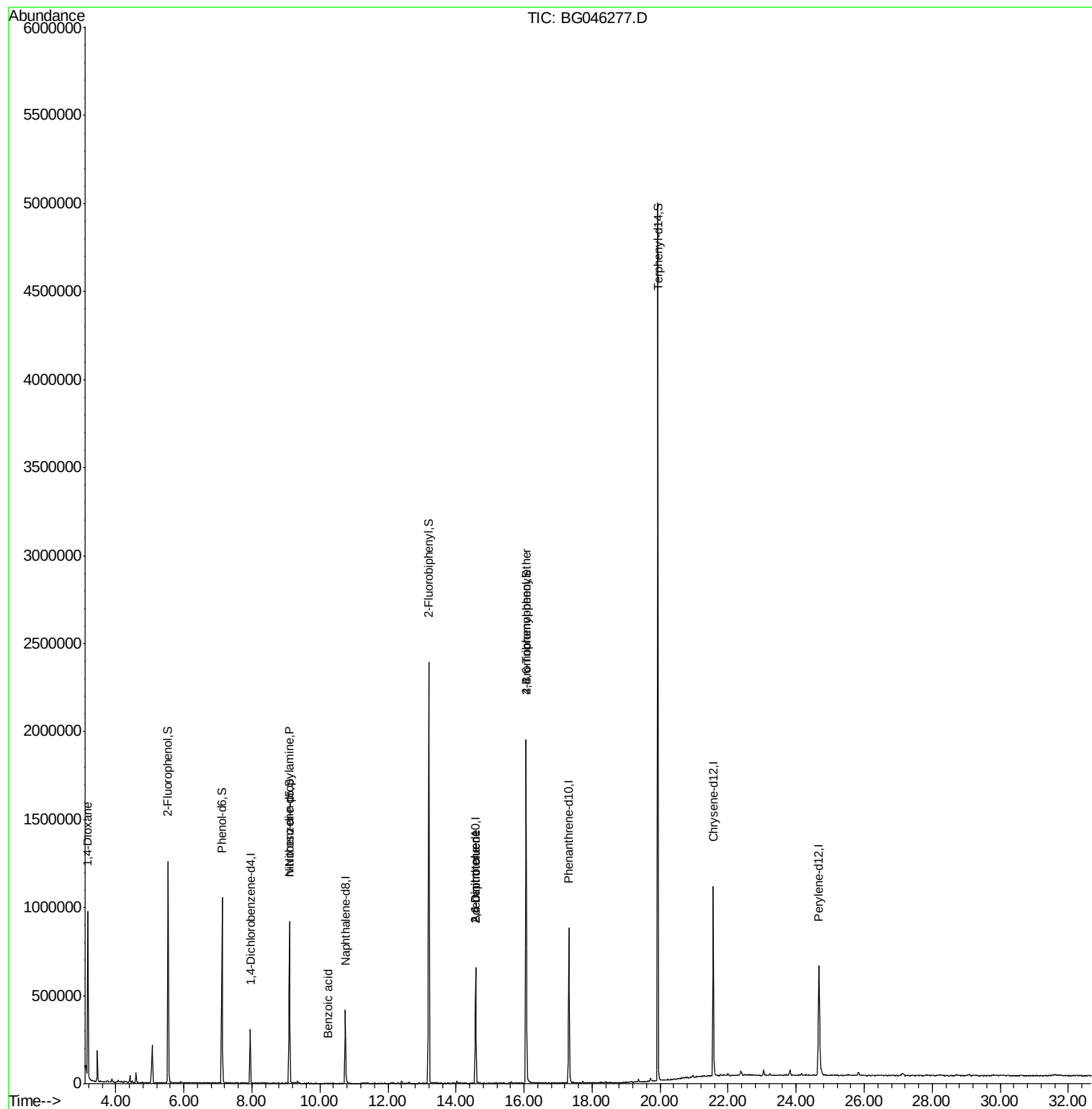
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.95  | 152  | 91772    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.75 | 136  | 366147   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.58 | 164  | 237498   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.31 | 188  | 568139   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12               | 21.56 | 240  | 653342   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 24.67 | 264  | 653837   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.53  | 112  | 573937   | 108.72 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.12  | 99   | 669124   | 93.00  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.10  | 82   | 579176   | 85.64  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.06 | 330  | 463792   | 127.14 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.20 | 172  | 1355823  | 82.93  | ng    | 0.00     |
| 79) Terphenyl-d14              | 19.94 | 244  | 2235055  | 69.67  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 2) 1,4-Dioxane                 | 3.17  | 88   | 8954     | 3.726  | ng    | # 1      |
| 19) n-Nitroso-di-n-propylamine | 9.10  | 70   | 73775    | 15.755 | ng    | # 77     |
| 32) Benzoic acid               | 10.23 | 122  | 233      | 9.458  | ng    | # 1      |
| 51) 2,6-Dinitrotoluene         | 14.58 | 165  | 31450    | 7.413  | ng    | # 28     |
| 57) 2,4-Dinitrotoluene         | 14.58 | 165  | 31450    | 5.392  | ng    | # 28     |
| 67) 4-Bromophenyl-phenylether  | 16.06 | 248  | 28558    | 4.069  | ng    | # 1      |

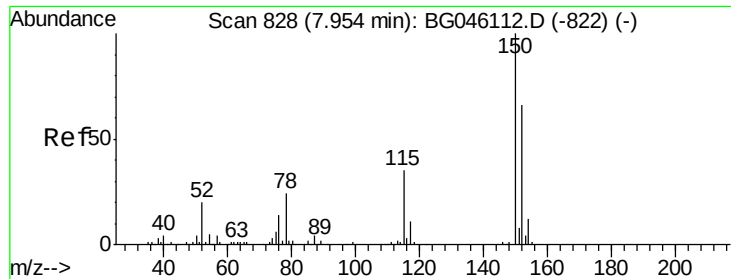
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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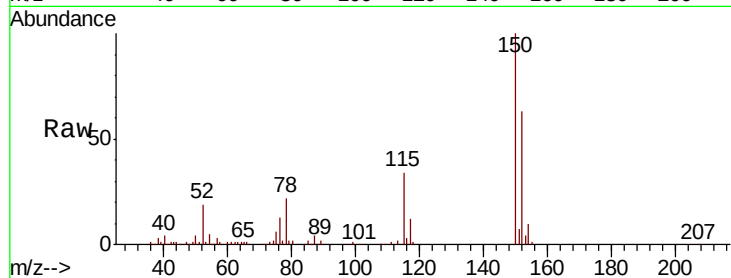


#1

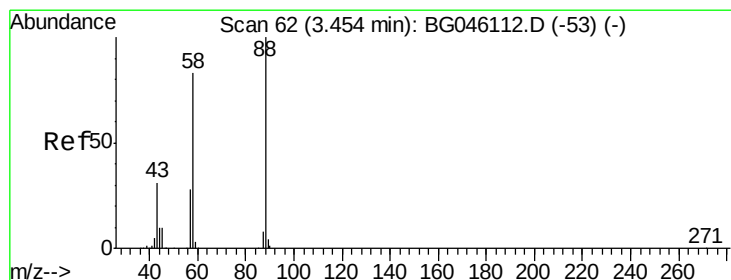
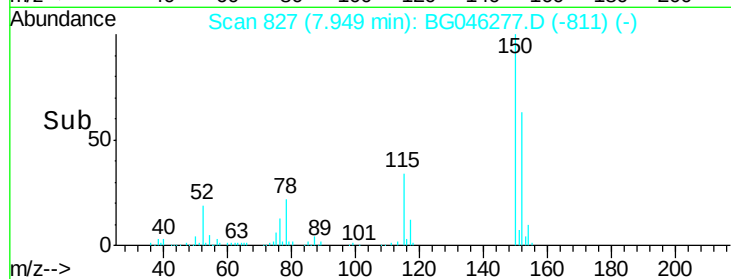
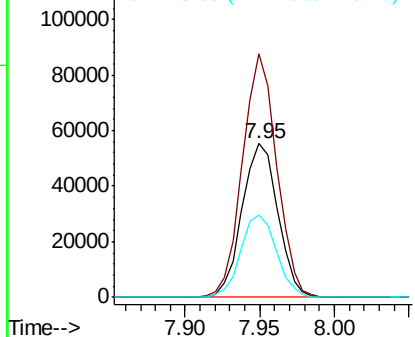
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.95 min Scan# 827  
Delta R.T. -0.00 min  
Lab File: BG046277.D  
Acq: 14 Aug 2020 15:58

Instrument :  
BNA\_G  
ClientSampleId :  
EO-02-081120

Tot Ion:152 Resp: 91772  
Ion Ratio Lower Upper  
152 100  
150 158.2 122.1 183.1  
115 53.5 43.2 64.8



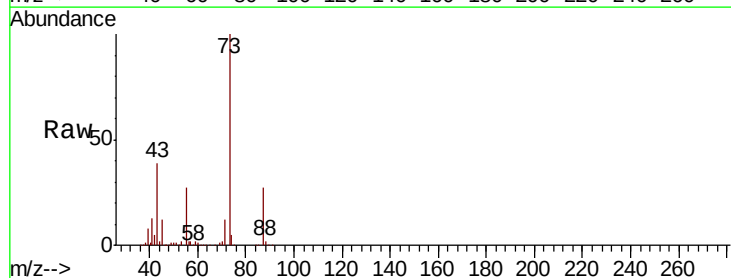
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



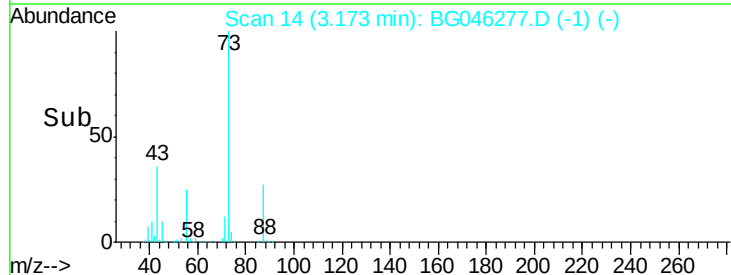
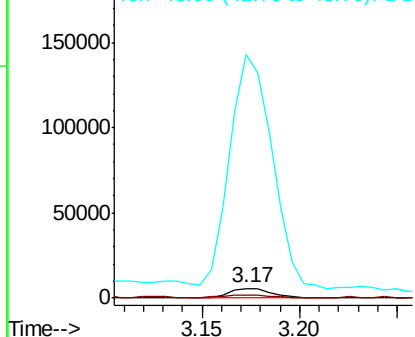
#2

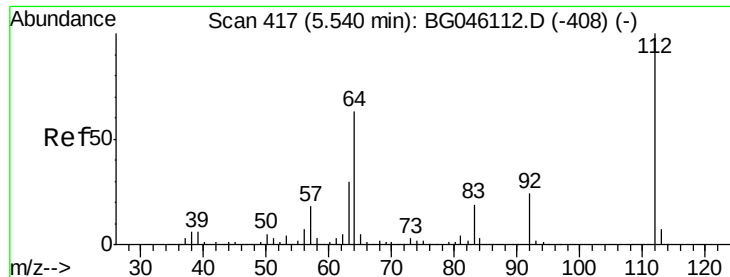
1,4-Dioxane  
Concen: 3.726 ng  
RT: 3.17 min Scan# 14  
Delta R.T. -0.28 min  
Lab File: BG046277.D  
Acq: 14 Aug 2020 15:58

Tgt Ion: 88 Resp: 8954  
Ion Ratio Lower Upper  
88 100  
58 24.4 66.5 99.7#  
43 2305.5 23.8 35.8#



Abundance Ion 88.00 (87.70 to 88.70): BGC  
Ion 58.00 (57.70 to 58.70): BGC  
Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 108.717 ng

RT: 5.53 min Scan# 416

Delta R.T. -0.00 min

Lab File: BG046277.D

Acq: 14 Aug 2020 15:58

Instrument :

BNA\_G

ClientSampleId :

EO-02-081120

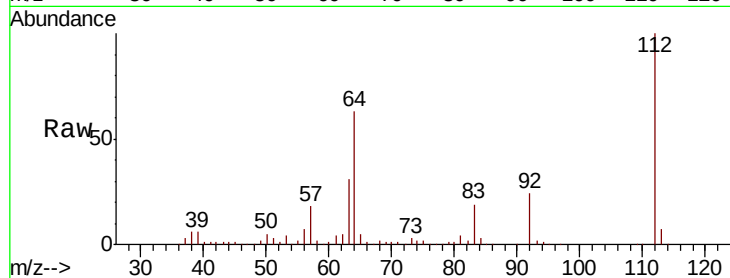
Tot Ion:112 Resp: 573937

Ion Ratio Lower Upper

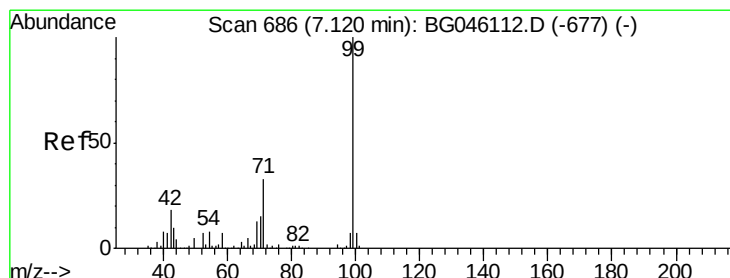
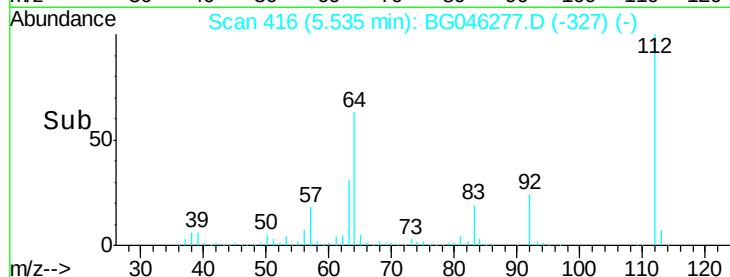
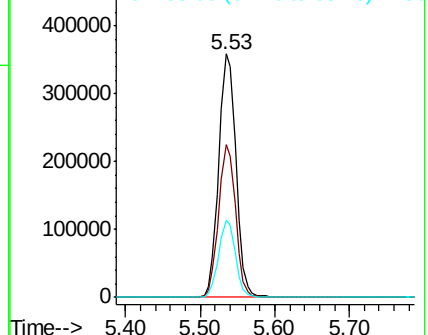
112 100

64 62.6 50.2 75.2

63 31.5 24.2 36.4



Abundance Ion 112.00 (111.70 to 112.70): BGC  
Ion 64.00 (63.70 to 64.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 93.001 ng

RT: 7.12 min Scan# 686

Delta R.T. 0.00 min

Lab File: BG046277.D

Acq: 14 Aug 2020 15:58

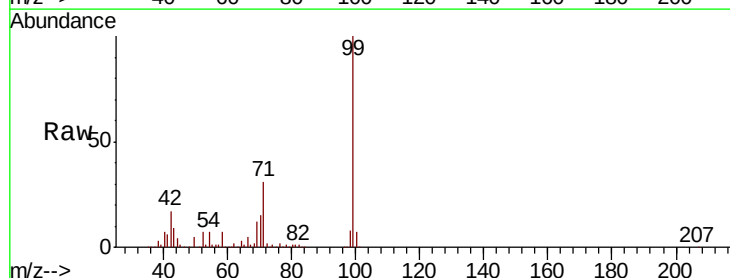
Tgt Ion: 99 Resp: 669124

Ion Ratio Lower Upper

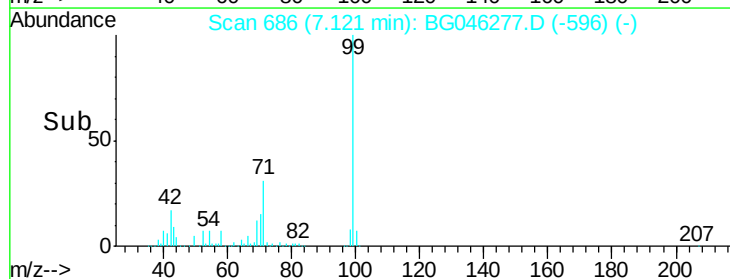
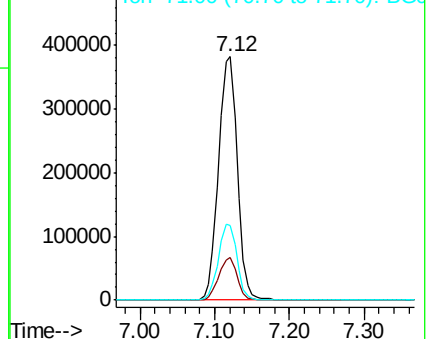
99 100

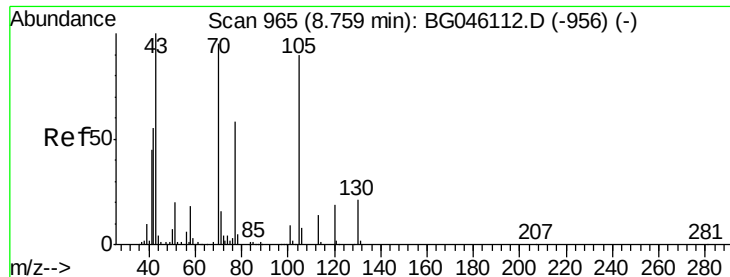
42 17.3 14.7 22.1

71 30.8 26.5 39.7



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: 15.755 ng

RT: 9.10 min Scan# 1023

Delta R.T. 0.34 min

Lab File: BG046277.D

Acq: 14 Aug 2020 15:58

Instrument :

BNA\_G

ClientSampleId :

EO-02-081120

Tot Ion: 70 Resp: 73775

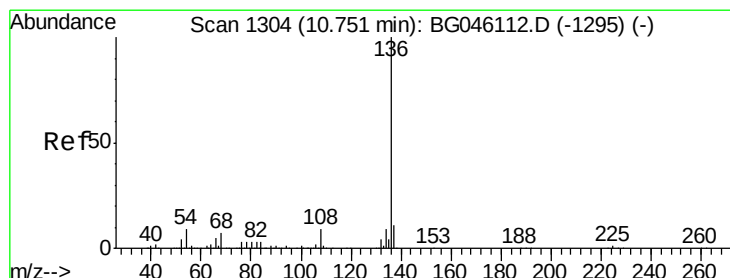
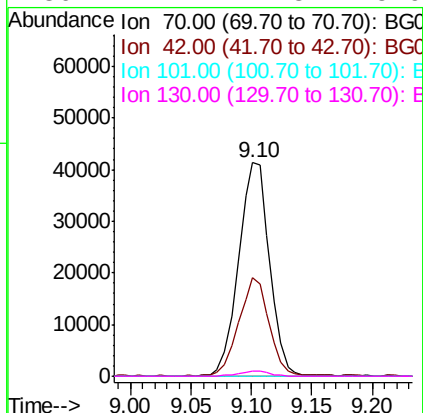
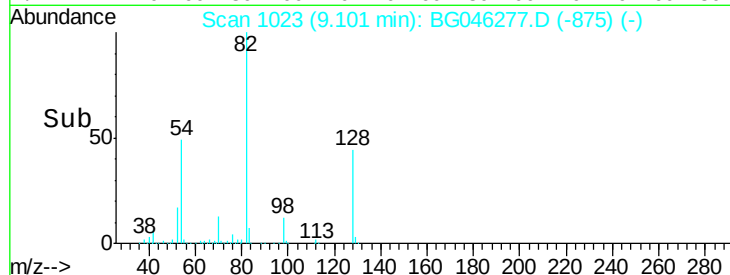
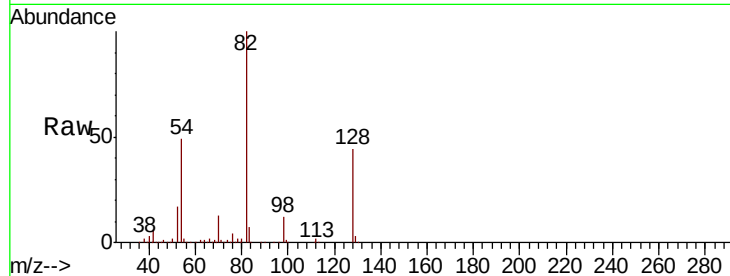
Ion Ratio Lower Upper

70 100

42 46.4 46.5 69.7#

101 0.0 7.6 11.4#

130 2.2 17.3 25.9#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BG046277.D

Acq: 14 Aug 2020 15:58

Tgt Ion: 136 Resp: 366147

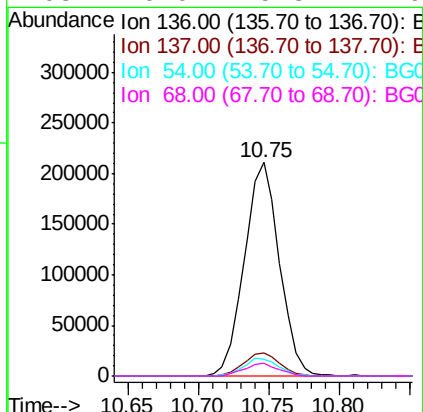
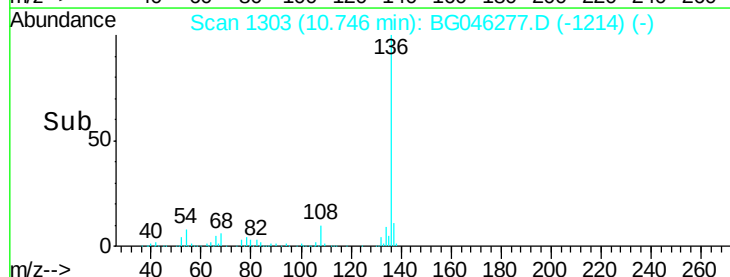
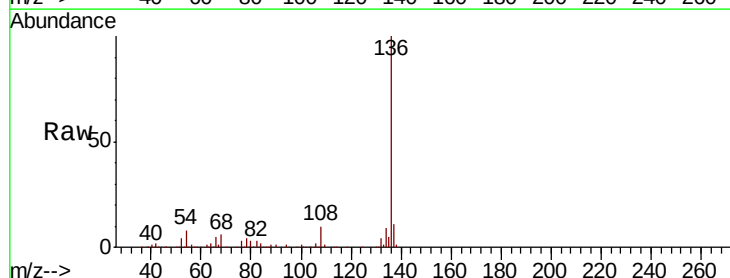
Ion Ratio Lower Upper

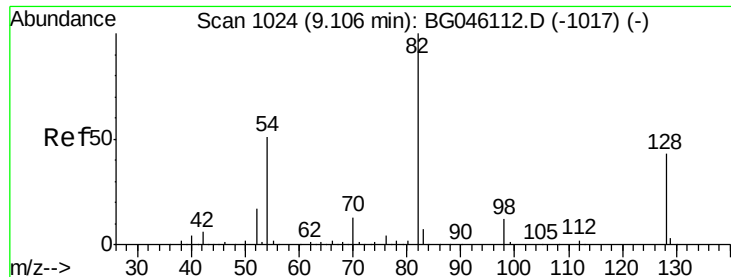
136 100

137 11.1 8.8 13.2

54 7.9 7.0 10.4

68 6.0 5.3 7.9

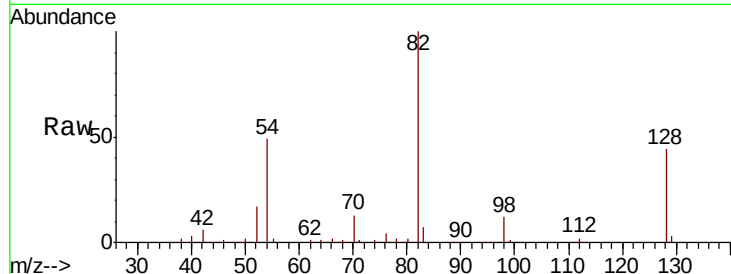




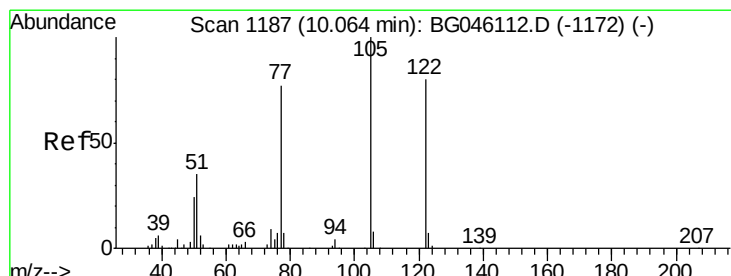
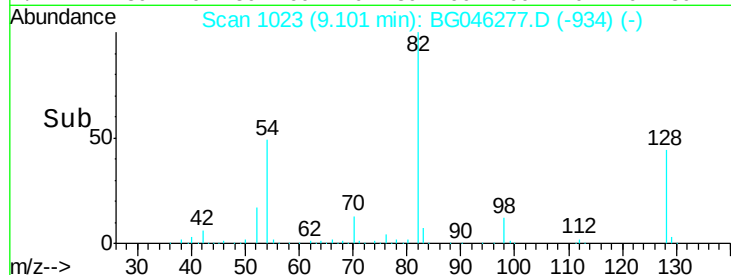
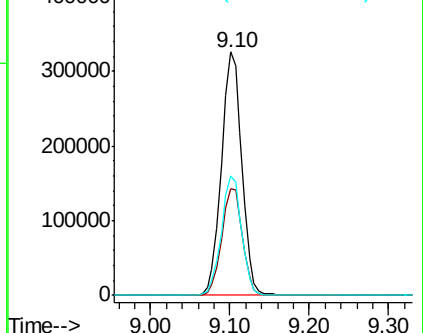
#23  
Nitrobenzene-d5  
Concen: 85.644 ng  
RT: 9.10 min Scan# 1023  
Delta R.T. -0.00 min  
Lab File: BG046277.D  
Acq: 14 Aug 2020 15:58

Instrument :  
BNA\_G  
ClientSampleId :  
EO-02-081120

Tot Ion: 82 Resp: 579176  
Ion Ratio Lower Upper  
82 100  
128 43.7 34.4 51.6  
54 48.9 40.8 61.2

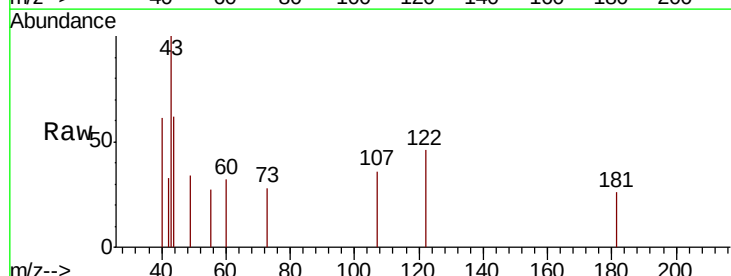


Abundance Ion 82.00 (81.70 to 82.70): BGC  
Ion 128.00 (127.70 to 128.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC

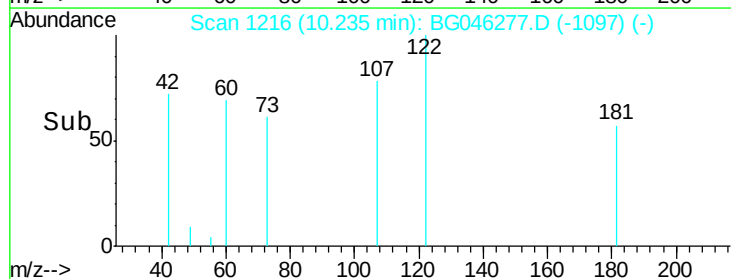
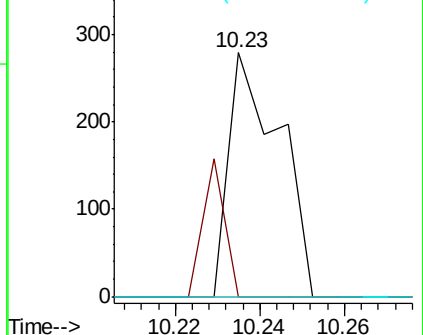


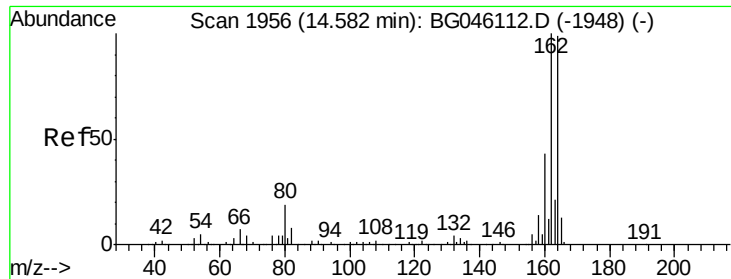
#32  
Benzoic acid  
Concen: 9.458 ng  
RT: 10.23 min Scan# 1216  
Delta R.T. 0.17 min  
Lab File: BG046277.D  
Acq: 14 Aug 2020 15:58

Tgt Ion: 122 Resp: 233  
Ion Ratio Lower Upper  
122 100  
105 0.0 103.0 143.0#  
77 0.0 75.2 115.2#



Abundance Ion 122.00 (121.70 to 122.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.58 min Scan# 1955

Delta R.T. -0.00 min

Lab File: BG046277.D

Acq: 14 Aug 2020 15:58

Instrument :

BNA\_G

ClientSampleId :

EO-02-081120

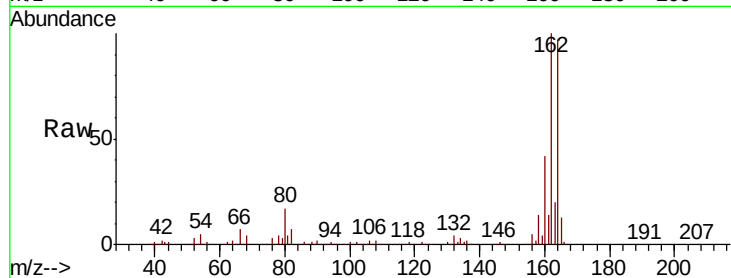
Tot Ion:164 Resp: 237498

Ion Ratio Lower Upper

164 100

162 103.4 80.6 121.0

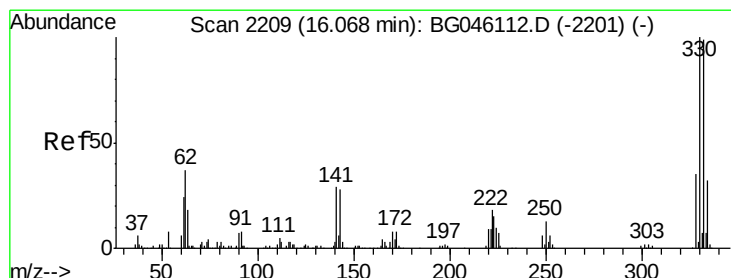
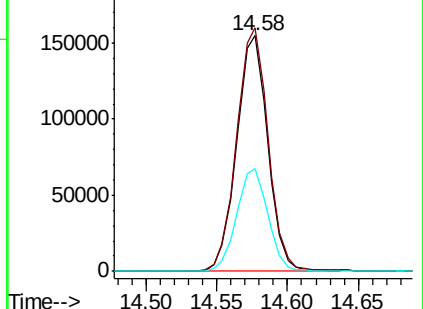
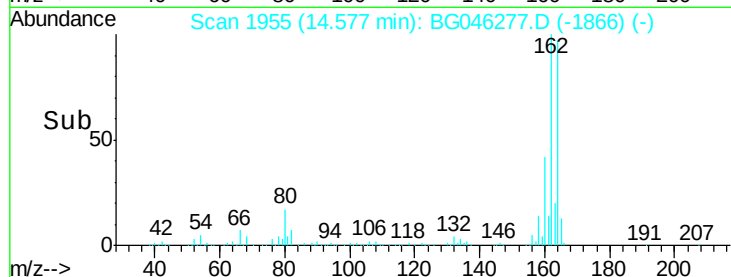
160 43.7 34.9 52.3



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: 127.139 ng

RT: 16.06 min Scan# 2208

Delta R.T. -0.00 min

Lab File: BG046277.D

Acq: 14 Aug 2020 15:58

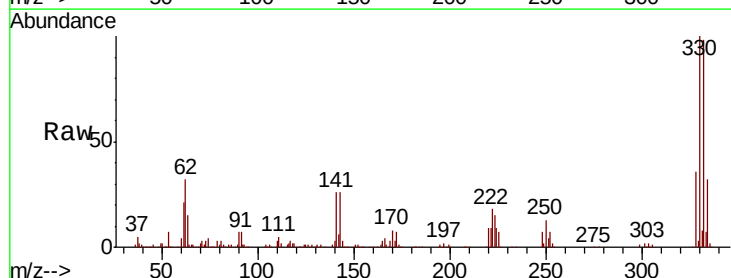
Tgt Ion:330 Resp: 463792

Ion Ratio Lower Upper

330 100

332 97.1 77.4 116.2

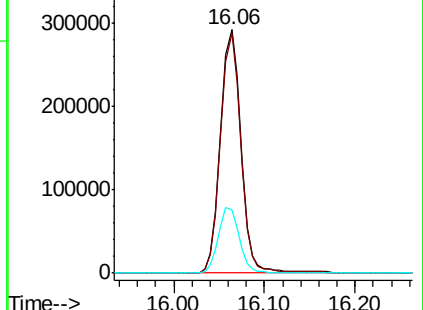
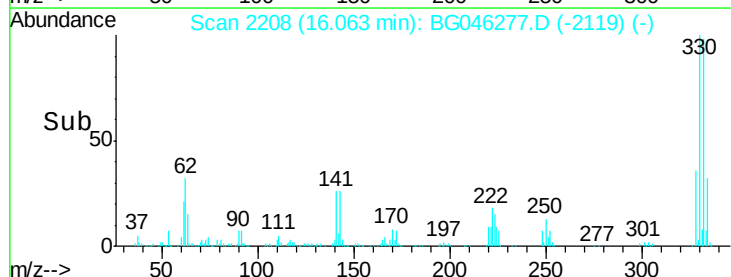
141 27.4 23.4 35.0

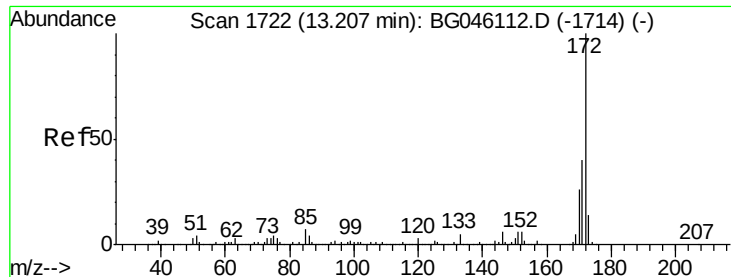


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

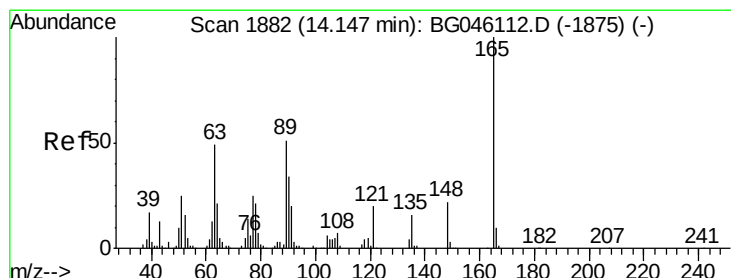
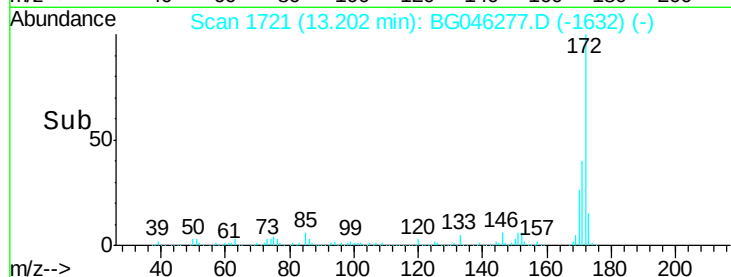
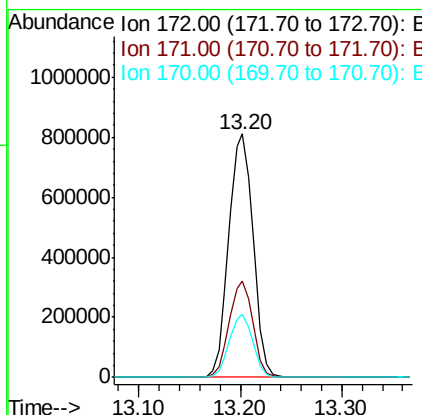
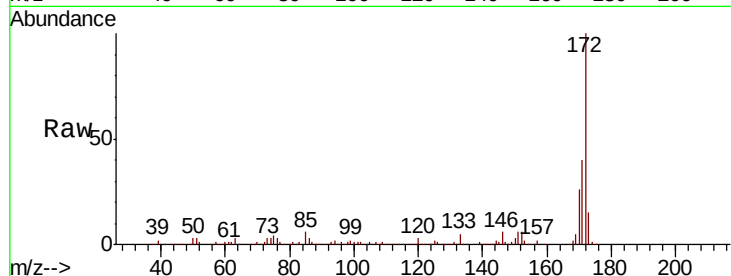




#45  
2-Fluorobiphenyl  
Concen: 82.927 ng  
RT: 13.20 min Scan# 1721  
Delta R.T. -0.00 min  
Lab File: BG046277.D  
Acq: 14 Aug 2020 15:58

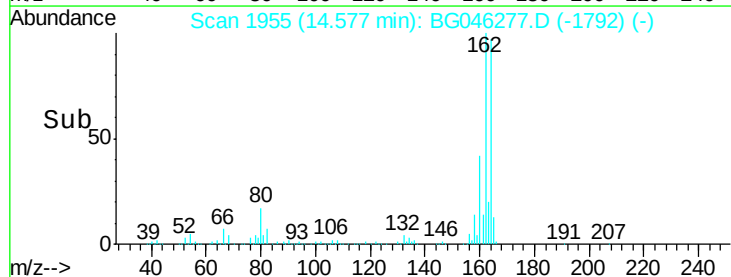
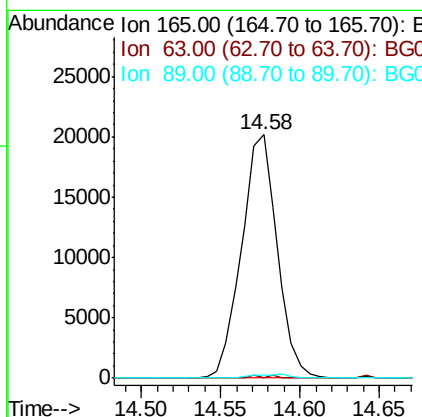
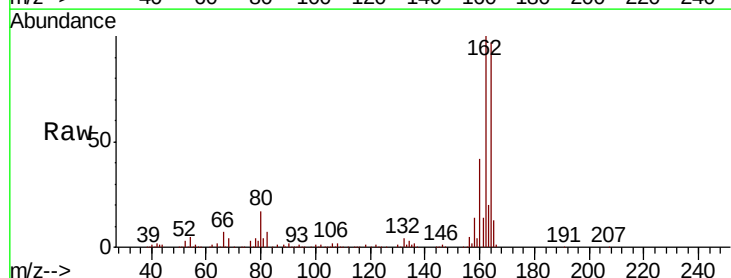
Instrument :  
BNA\_G  
ClientSampleId :  
EO-02-081120

Tot Ion:172 Resp: 1355823  
Ion Ratio Lower Upper  
172 100  
171 39.5 31.7 47.5  
170 26.1 20.9 31.3

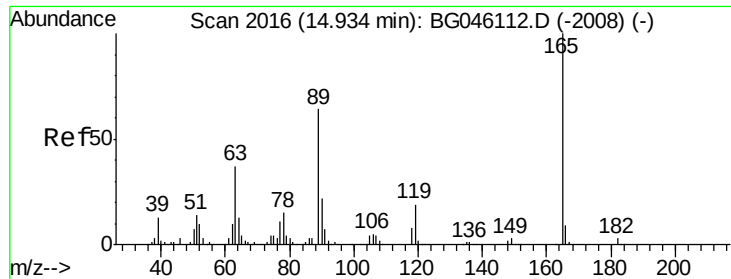


#51  
2,6-Dinitrotoluene  
Concen: 7.413 ng  
RT: 14.58 min Scan# 1955  
Delta R.T. 0.43 min  
Lab File: BG046277.D  
Acq: 14 Aug 2020 15:58

Tgt Ion:165 Resp: 31450  
Ion Ratio Lower Upper  
165 100  
63 0.0 39.7 59.5#  
89 1.2 41.0 61.6#



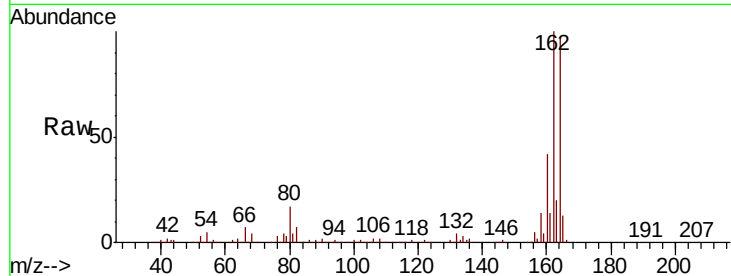




#57  
 2,4-Dinitrotoluene  
 Concen: 5.392 ng  
 RT: 14.58 min Scan# 1955  
 Delta R.T. -0.36 min  
 Lab File: BG046277.D  
 Acq: 14 Aug 2020 15:58

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EO-02-081120

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 30.1  | 45.1# |
| 89      | 1.2   | 51.4  | 77.2# |
| 182     | 0.0   | 2.3   | 3.5#  |



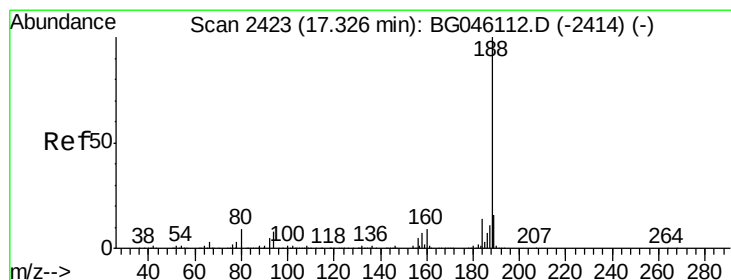
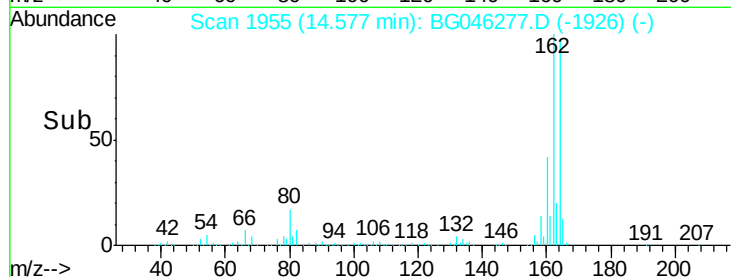
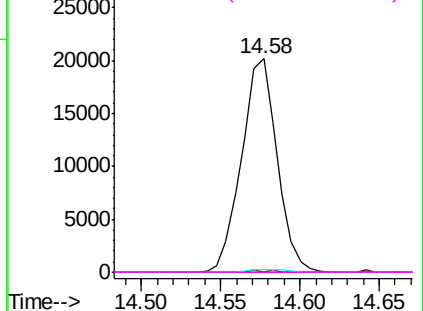
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

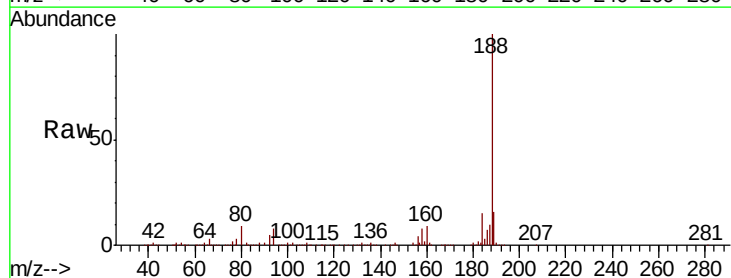
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.31 min Scan# 2421  
 Delta R.T. -0.01 min  
 Lab File: BG046277.D  
 Acq: 14 Aug 2020 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.9   | 6.4   | 9.6   |
| 80      | 8.7   | 7.4   | 11.0  |

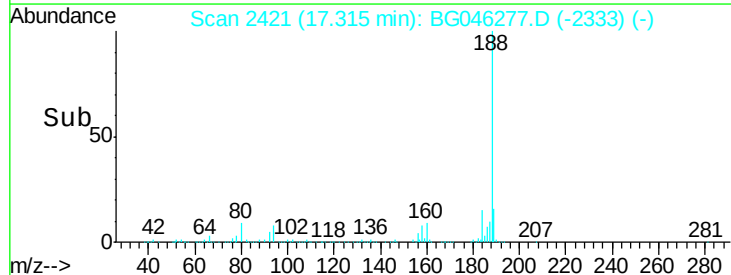
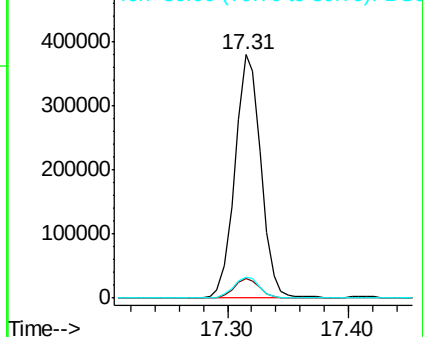


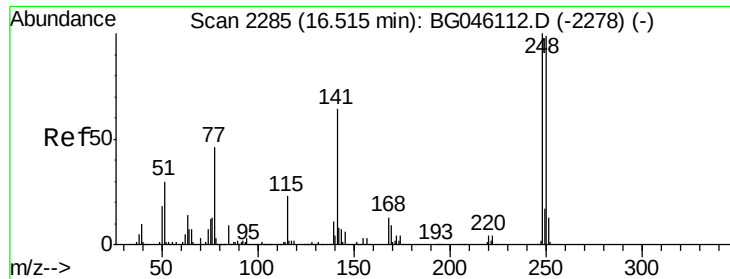
Abundance

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

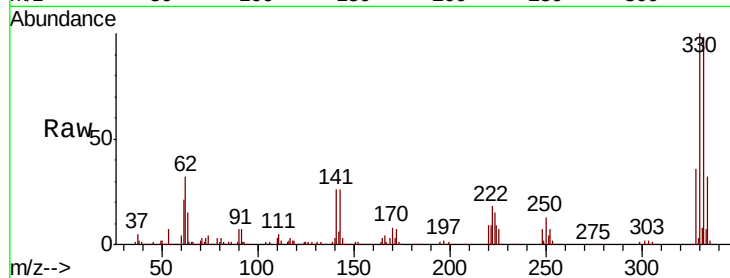




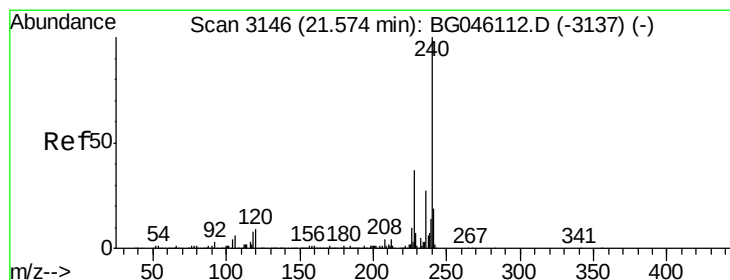
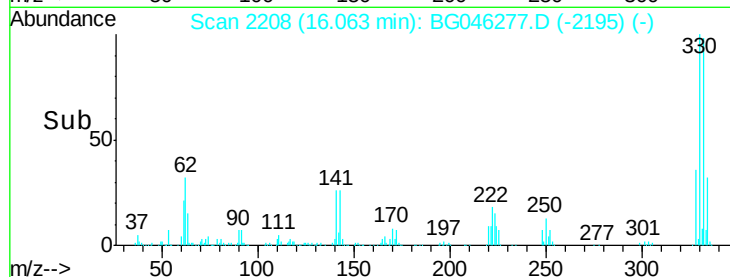
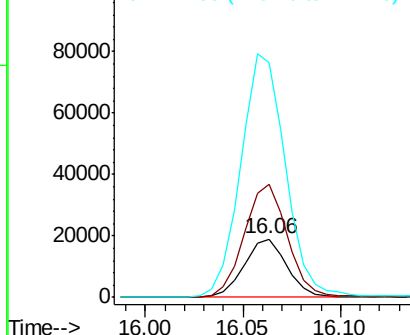
#67  
4-Bromophenyl-phenylether  
Concen: 4.069 ng  
RT: 16.06 min Scan# 2208  
Delta R.T. -0.45 min  
Lab File: BG046277.D  
Acq: 14 Aug 2020 15:58

Instrument :  
BNA\_G  
ClientSampled :  
EO-02-081120

Tot Ion:248 Resp: 28558  
Ion Ratio Lower Upper  
248 100  
250 192.9 79.4 119.0#  
141 400.9 50.9 76.3#

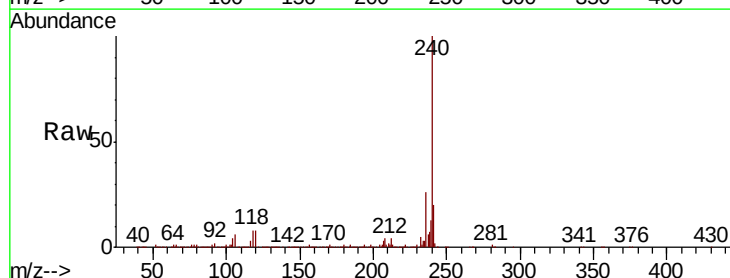


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

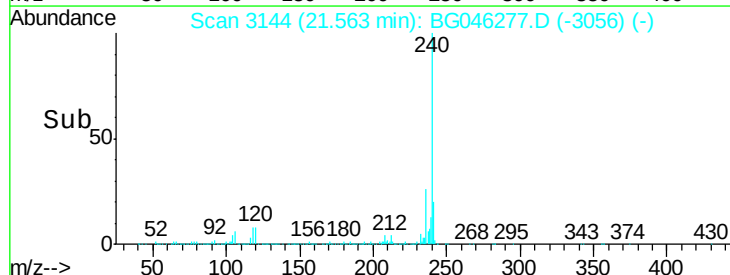
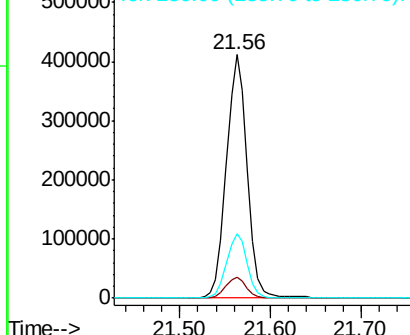


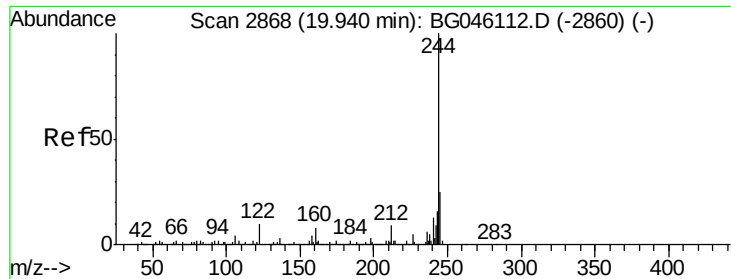
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.56 min Scan# 3144  
Delta R.T. -0.01 min  
Lab File: BG046277.D  
Acq: 14 Aug 2020 15:58

Tgt Ion:240 Resp: 653342  
Ion Ratio Lower Upper  
240 100  
120 8.4 7.1 10.7  
236 26.2 21.7 32.5



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: 69.672 ng

RT: 19.94 min Scan# 2867

Delta R.T. -0.00 min

Lab File: BG046277.D

Acq: 14 Aug 2020 15:58

Instrument :

BNA\_G

ClientSampleId :

EO-02-081120

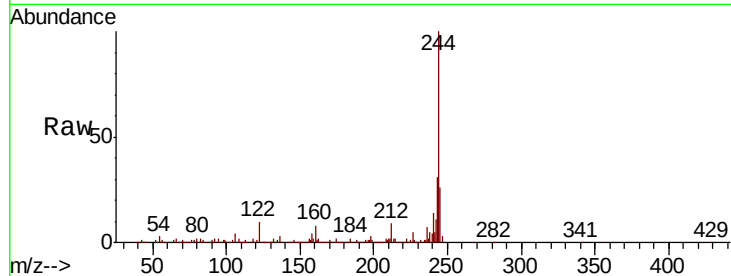
Tot Ion:244 Resp: 2235055

Ion Ratio Lower Upper

244 100

212 9.3 7.2 10.8

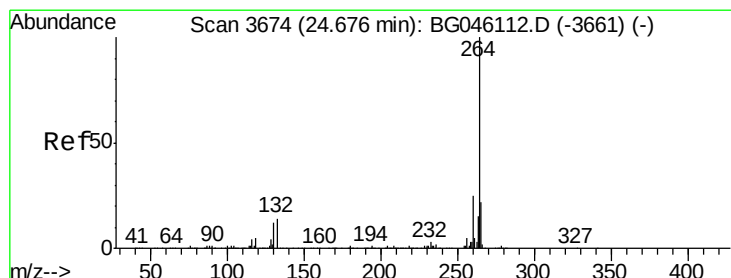
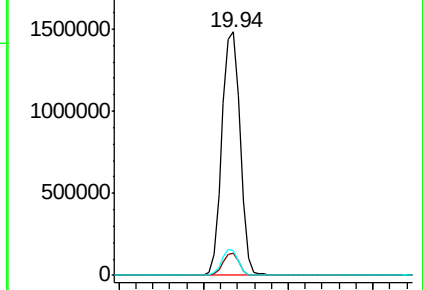
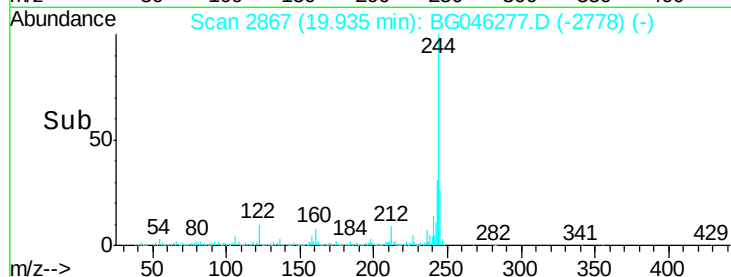
122 10.1 8.3 12.5



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: 24.67 min Scan# 3673

Delta R.T. -0.00 min

Lab File: BG046277.D

Acq: 14 Aug 2020 15:58

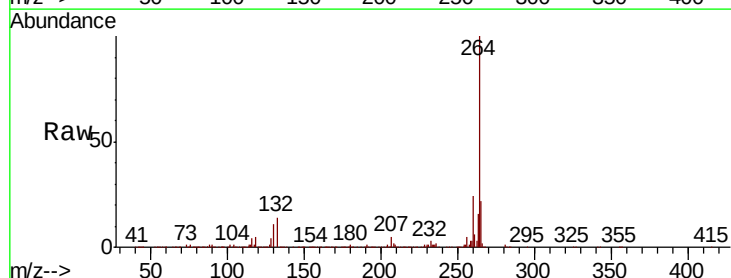
Tgt Ion:264 Resp: 653837

Ion Ratio Lower Upper

264 100

260 23.6 19.7 29.5

265 21.6 17.6 26.4



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

