

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021420\  
 Data File : BG044443.D  
 Acq On : 14 Feb 2020 17:59  
 Operator : CG/JU  
 Sample : L1525-01  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-1A-(7.5-9.5)

Quant Time: Feb 15 06:01:57 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 10 16:11:50 2020  
 Response via : Initial Calibration

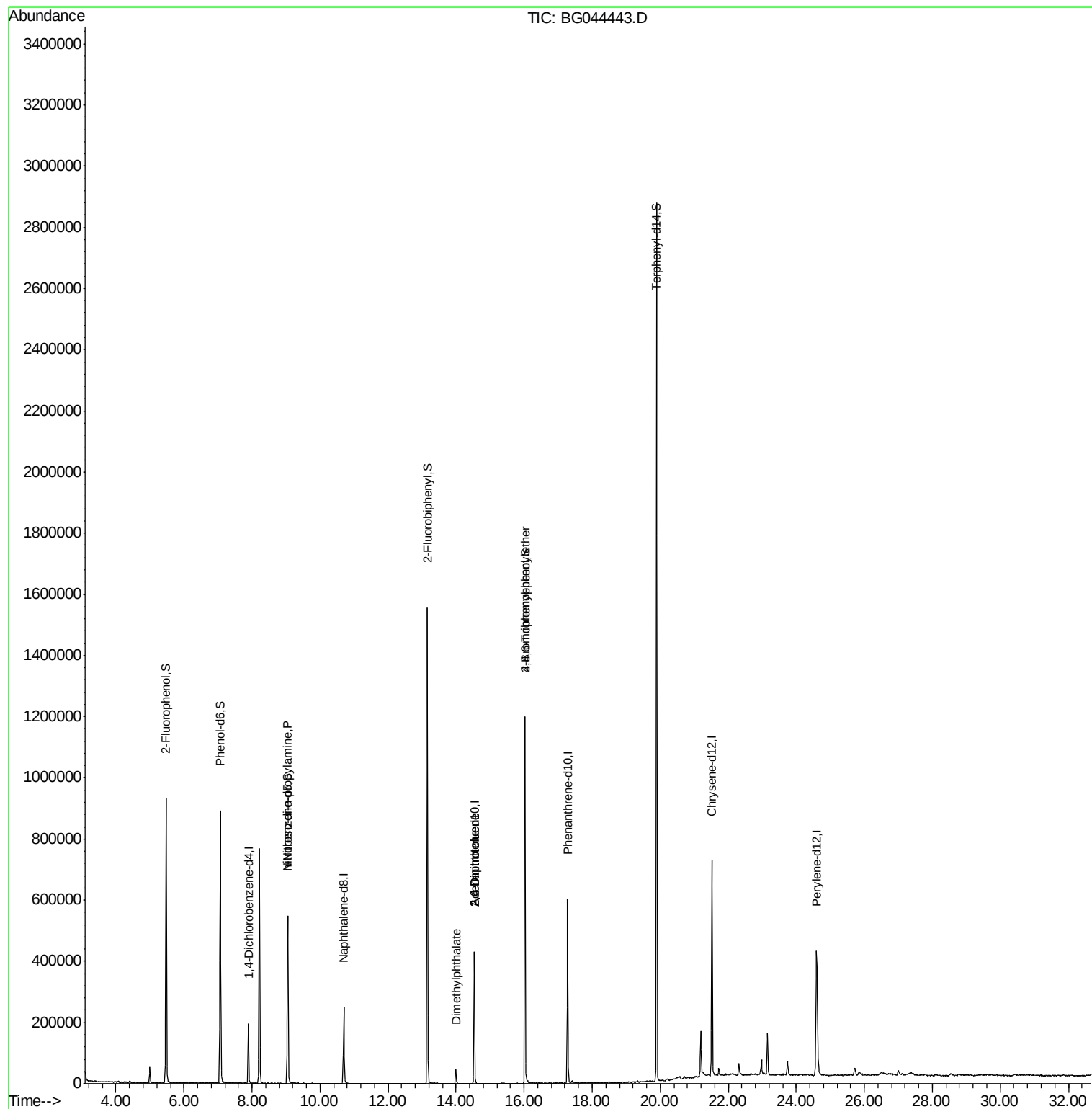
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 7.89  | 152  | 59795    | 20.00  | ng    | -0.01       |
| 21) Naphthalene-d8             | 10.70 | 136  | 243656   | 20.00  | ng    | 0.00        |
| 39) Acenaphthene-d10           | 14.53 | 164  | 159379   | 20.00  | ng    | -0.01       |
| 64) Phenanthrene-d10           | 17.28 | 188  | 383533   | 20.00  | ng    | -0.01       |
| 76) Chrysene-d12               | 21.52 | 240  | 410675   | 20.00  | ng    | -0.02       |
| 87) Perylene-d12               | 24.60 | 264  | 423487   | 20.00  | ng    | -0.02       |
| System Monitoring Compounds    |       |      |          |        |       |             |
| 5) 2-Fluorophenol              | 5.47  | 112  | 461751   | 136.29 | ng    | 0.00        |
| 7) Phenol-d6                   | 7.07  | 99   | 599236   | 131.71 | ng    | 0.00        |
| 23) Nitrobenzene-d5            | 9.05  | 82   | 361645   | 83.79  | ng    | -0.01       |
| 42) 2,4,6-Tribromophenol       | 16.02 | 330  | 252927   | 135.18 | ng    | 0.00        |
| 45) 2-Fluorobiphenyl           | 13.16 | 172  | 851452   | 89.46  | ng    | 0.00        |
| 79) Terphenyl-d14              | 19.90 | 244  | 1447930  | 72.52  | ng    | 0.00        |
| Target Compounds               |       |      |          |        |       |             |
| 19) n-Nitroso-di-n-propylamine | 9.05  | 70   | 46241    | 15.250 | ng    | Qvalue # 73 |
| 50) Dimethylphthalate          | 13.99 | 163  | 41217    | 3.598  | ng    | # 98        |
| 51) 2,6-Dinitrotoluene         | 14.53 | 165  | 20568    | 8.052  | ng    | # 29        |
| 57) 2,4-Dinitrotoluene         | 14.53 | 165  | 20568    | 5.745  | ng    | # 27        |
| 67) 4-Bromophenyl-phenylether  | 16.02 | 248  | 17457    | 4.178  | ng    | # 1         |

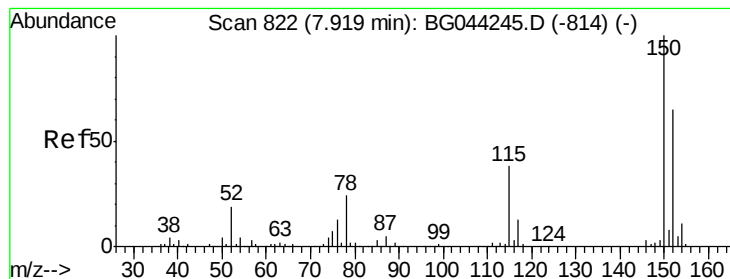
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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SB-1A-(7.5-9.5)

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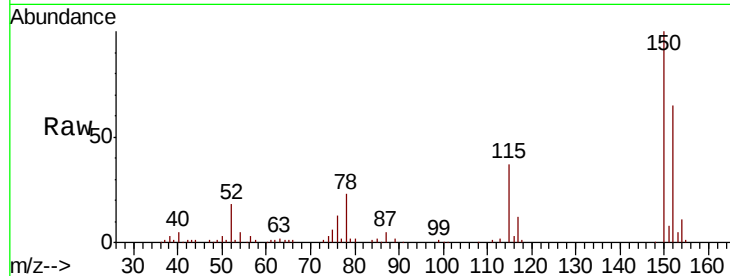


#1

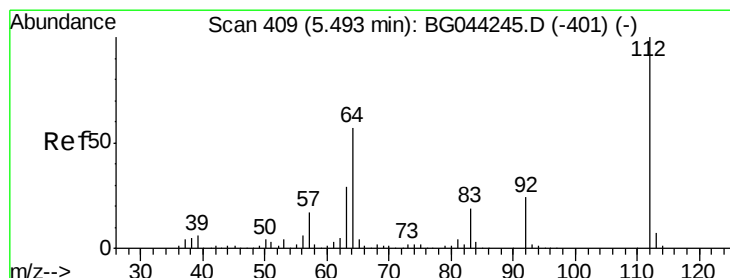
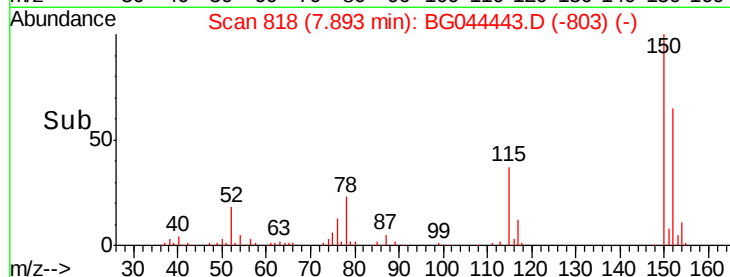
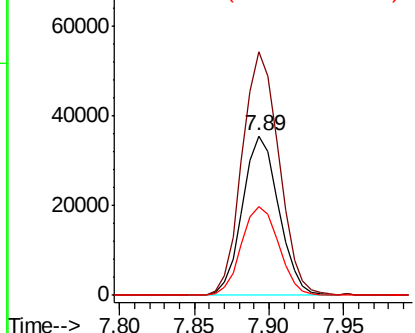
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.89 min Scan# 818  
 Delta R.T. -0.01 min  
 Lab File: BG044443.D  
 Acq: 14 Feb 2020 17:59

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-1A-(7.5-9.5)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.9 | 122.6 | 183.8 |
| 115     | 56.0  | 46.0  | 69.0  |



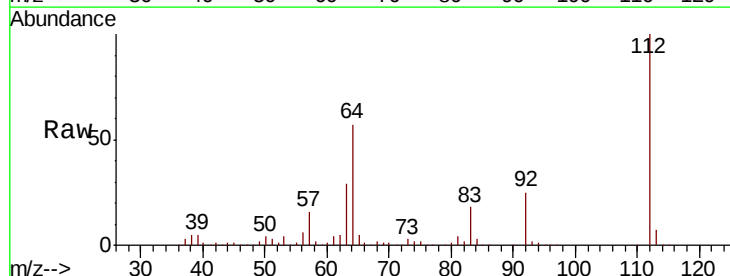
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



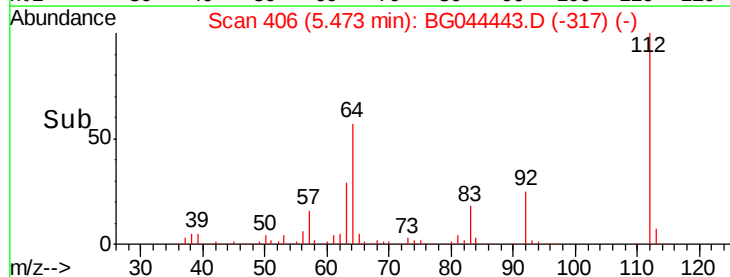
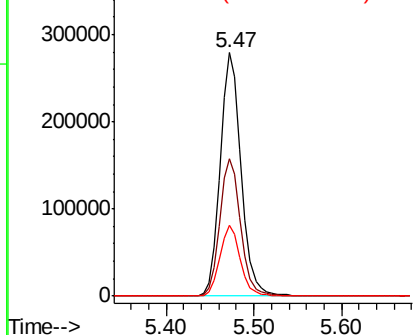
#5

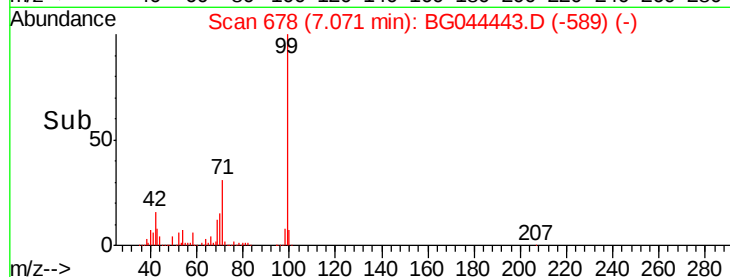
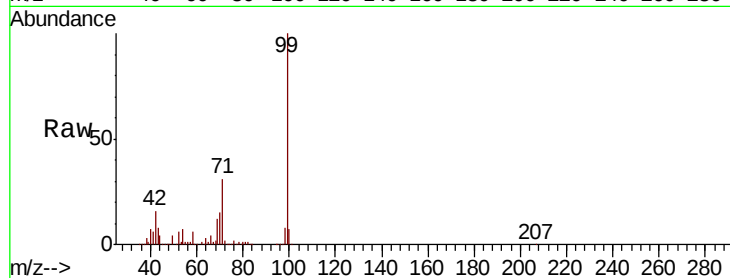
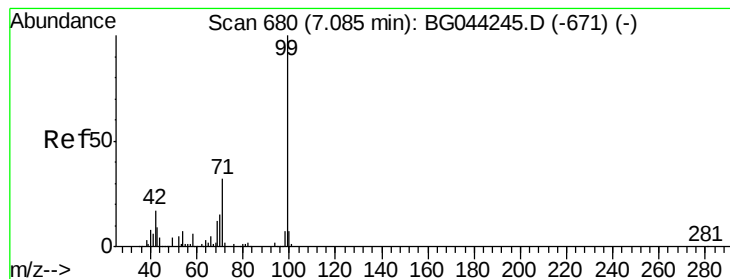
2-Fluorophenol  
 Concen: 136.285 ng  
 RT: 5.47 min Scan# 406  
 Delta R.T. -0.01 min  
 Lab File: BG044443.D  
 Acq: 14 Feb 2020 17:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 56.6  | 45.4  | 68.2  |
| 63      | 29.3  | 22.9  | 34.3  |



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





#7

Phenol-d6

Concen: 131.708 ng

RT: 7.07 min Scan# 678

Delta R.T. -0.01 min

Lab File: BG044443.D

Acq: 14 Feb 2020 17:59

Instrument :

BNA\_G

ClientSampleId :

SB-1A-(7.5-9.5)

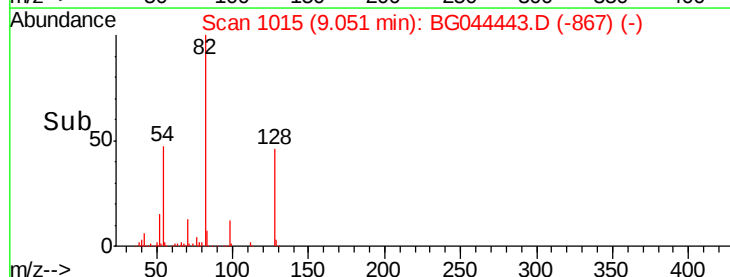
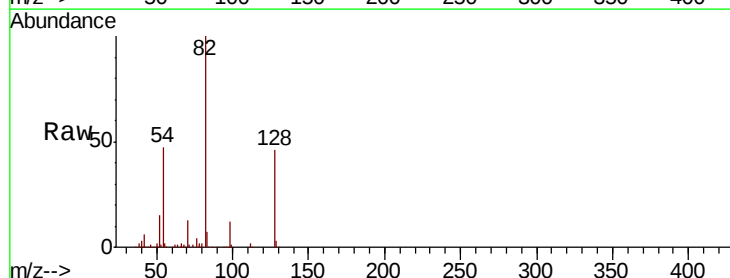
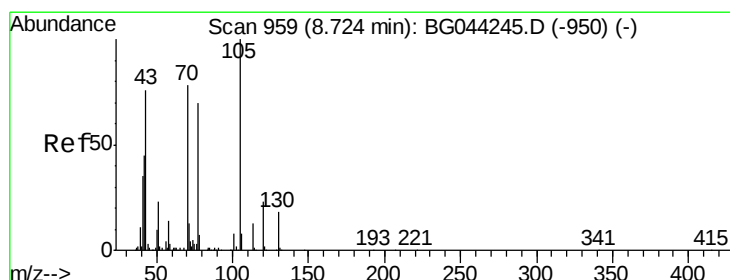
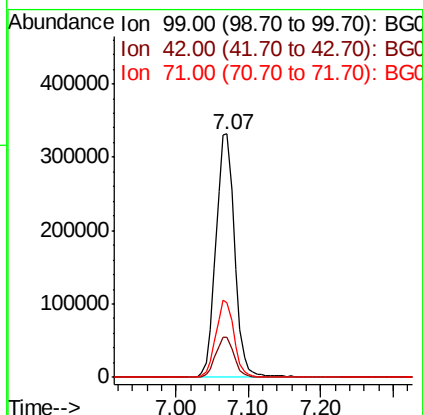
Tot Ion: 99 Resp: 599236

Ion Ratio Lower Upper

99 100

42 16.4 13.8 20.6

71 30.6 25.5 38.3



#19

n-Nitroso-di-n-propylamine

Concen: 15.250 ng

RT: 9.05 min Scan# 1015

Delta R.T. 0.34 min

Lab File: BG044443.D

Acq: 14 Feb 2020 17:59

Tgt Ion: 70 Resp: 46241

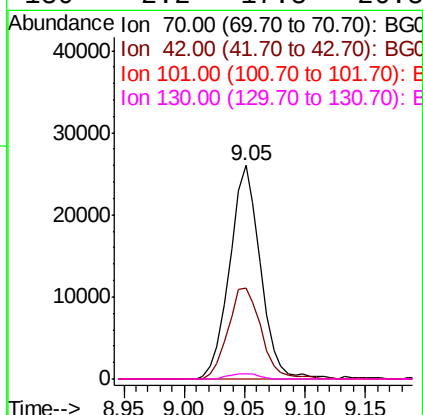
Ion Ratio Lower Upper

70 100

42 42.3 46.2 69.2#

101 0.0 8.4 12.6#

130 2.2 17.8 26.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BG044443.D

Acq: 14 Feb 2020 17:59

Instrument :

BNA\_G

ClientSampleId :

SB-1A-(7.5-9.5)

Tot Ion:136 Resp: 243656

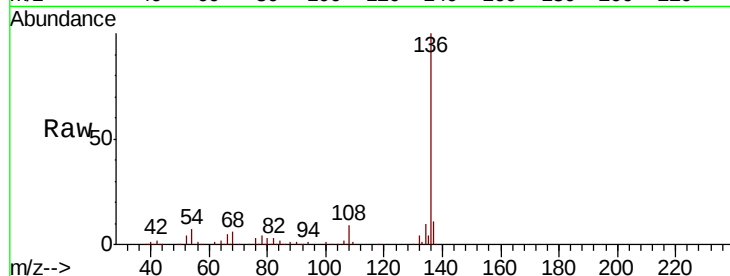
Ion Ratio Lower Upper

136 100

137 11.4 8.8 13.2

54 7.5 5.8 8.8

68 5.5 4.6 6.8

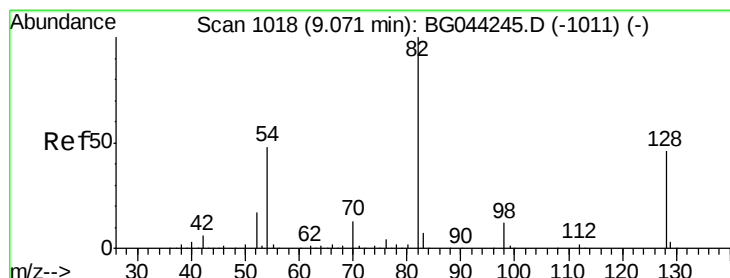
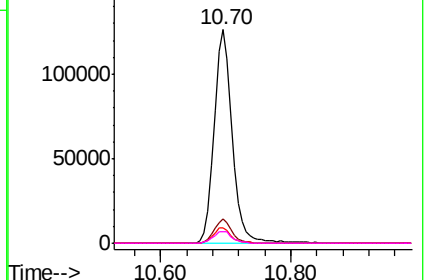
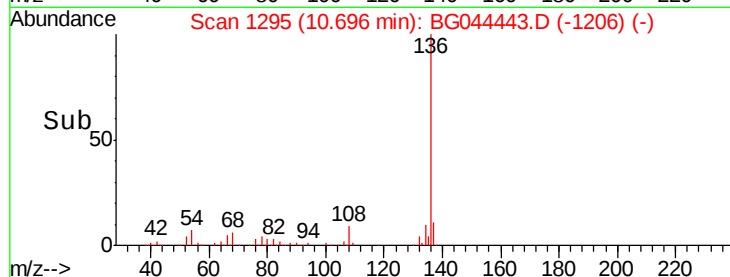


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 83.795 ng

RT: 9.05 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BG044443.D

Acq: 14 Feb 2020 17:59

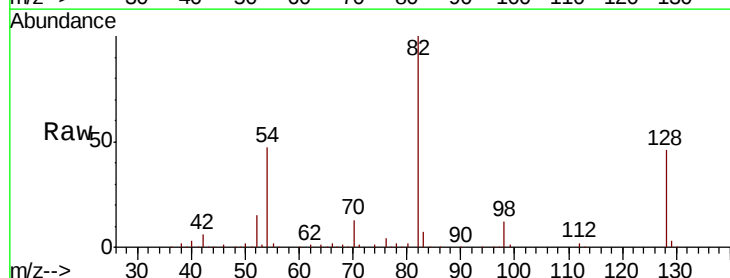
Tgt Ion: 82 Resp: 361645

Ion Ratio Lower Upper

82 100

128 46.5 36.5 54.7

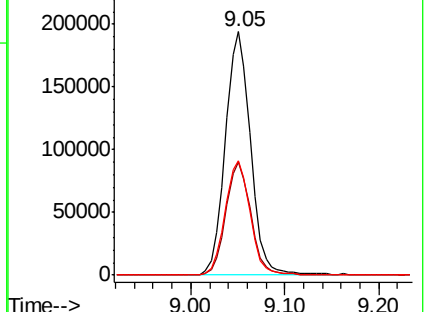
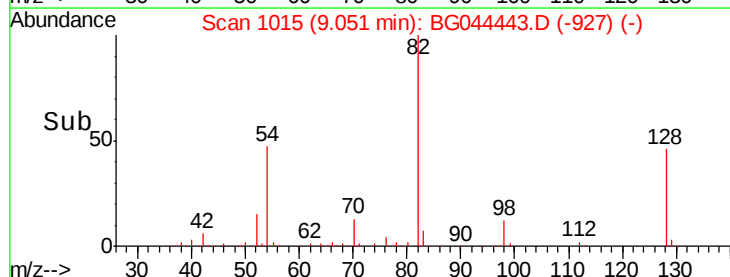
54 47.0 38.6 58.0



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.53 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BG044443.D

Acq: 14 Feb 2020 17:59

Instrument :

BNA\_G

ClientSampleId :

SB-1A-(7.5-9.5)

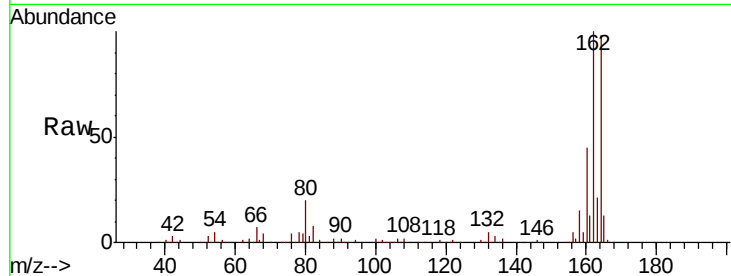
Tot Ion:164 Resp: 159379

Ion Ratio Lower Upper

164 100

162 102.5 80.7 121.1

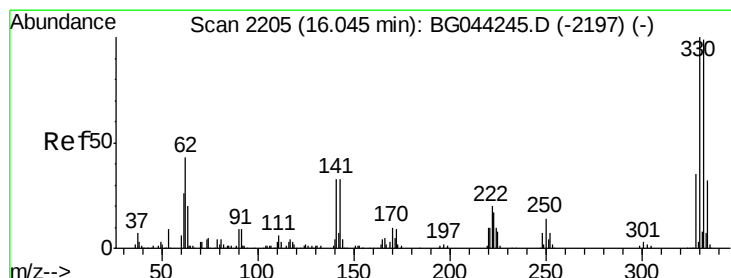
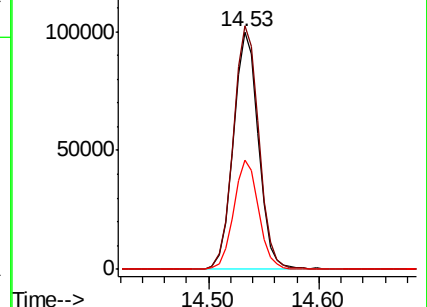
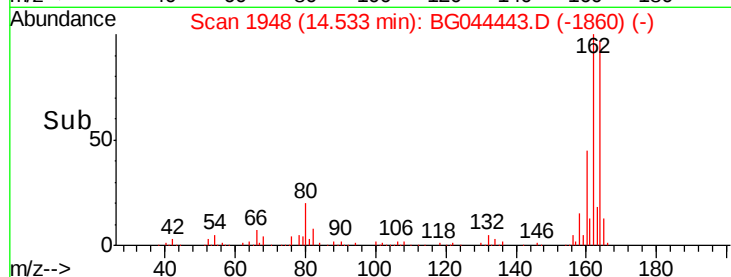
160 45.9 35.3 52.9



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: 135.181 ng

RT: 16.02 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BG044443.D

Acq: 14 Feb 2020 17:59

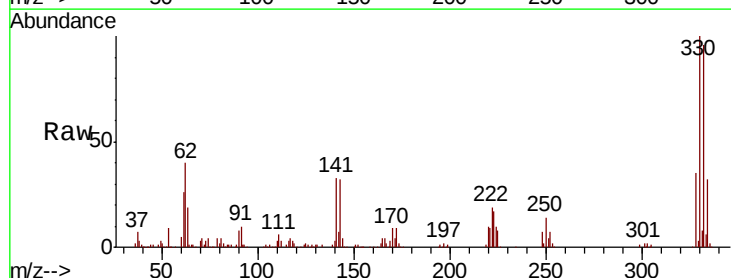
Tgt Ion:330 Resp: 252927

Ion Ratio Lower Upper

330 100

332 95.6 77.2 115.8

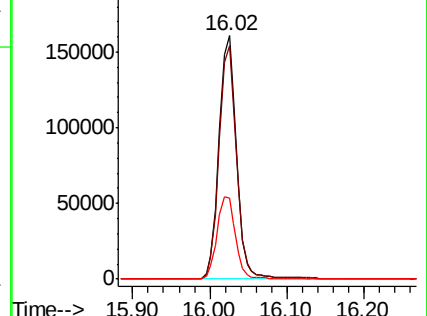
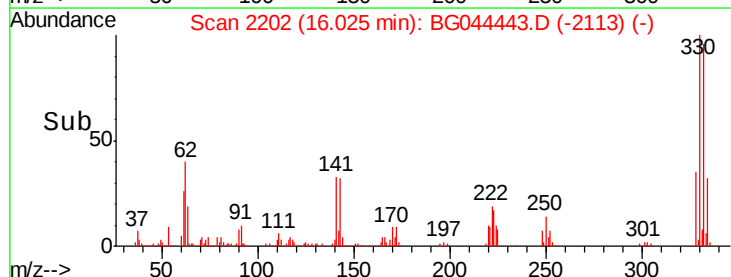
141 35.1 28.3 42.5



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

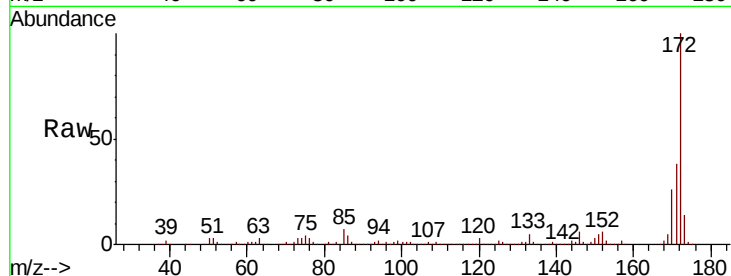




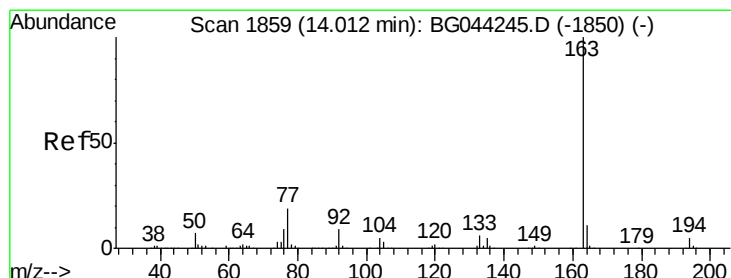
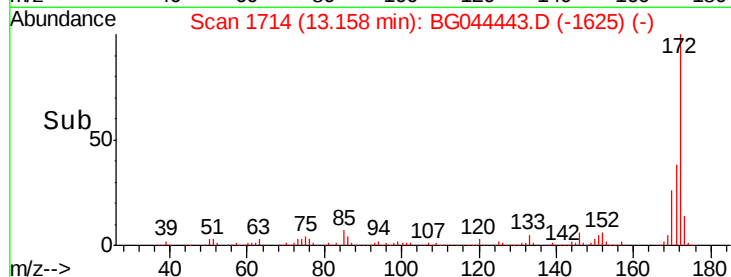
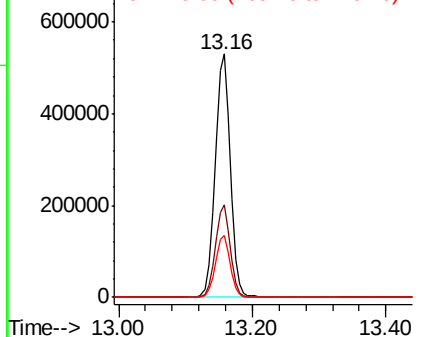
#45  
2-Fluorobiphenyl  
Concen: 89.460 ng  
RT: 13.16 min Scan# 1714  
Delta R.T. -0.01 min  
Lab File: BG044443.D  
Acq: 14 Feb 2020 17:59

Instrument :  
BNA\_G  
ClientSampleId :  
SB-1A-(7.5-9.5)

Tot Ion:172 Resp: 851452  
Ion Ratio Lower Upper  
172 100  
171 38.1 32.9 49.3  
170 25.6 22.0 33.0

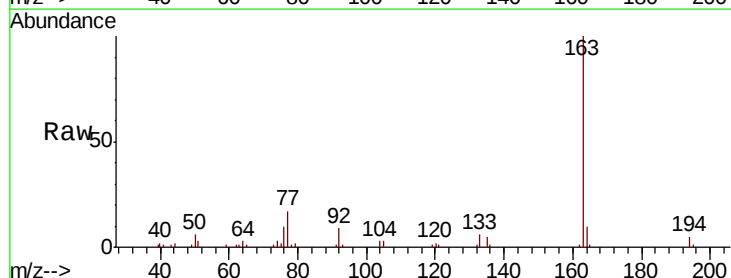


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

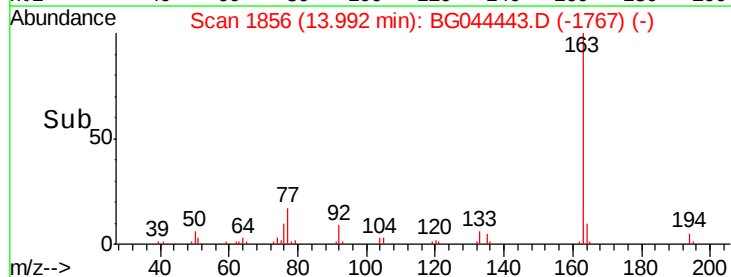
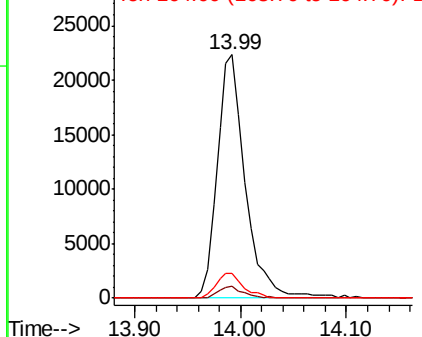


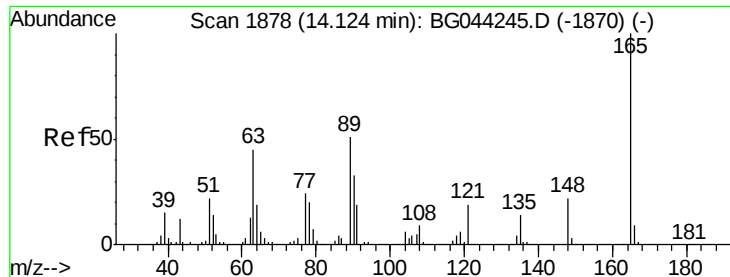
#50  
Dimethylphthalate  
Concen: 3.598 ng  
RT: 13.99 min Scan# 1856  
Delta R.T. -0.01 min  
Lab File: BG044443.D  
Acq: 14 Feb 2020 17:59

Tgt Ion:163 Resp: 41217  
Ion Ratio Lower Upper  
163 100  
194 5.0 3.6 5.4  
164 10.2 8.7 13.1



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

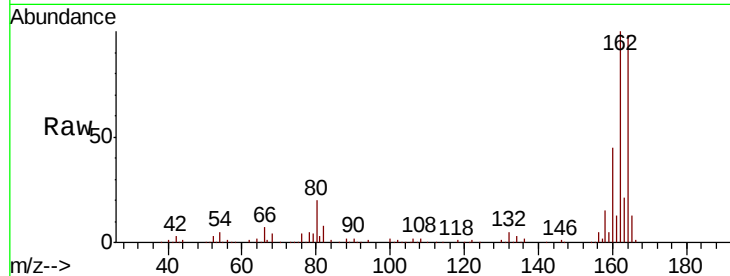




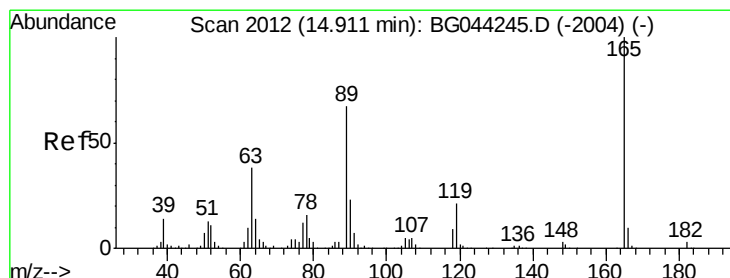
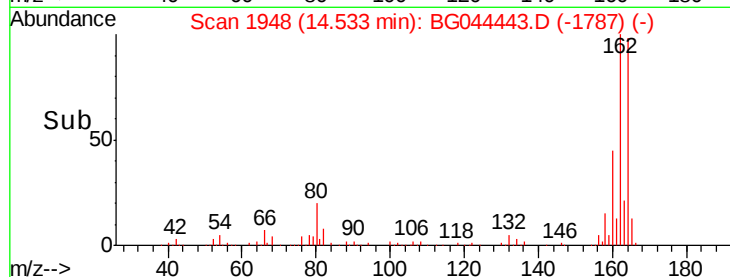
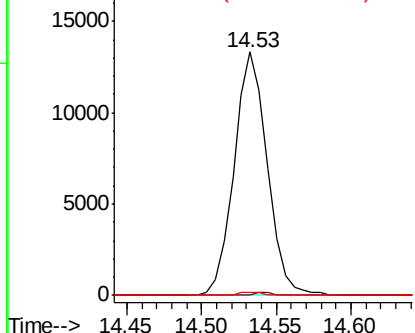
#51  
 2,6-Dinitrotoluene  
 Concen: 8.052 ng  
 RT: 14.53 min Scan# 1948  
 Delta R.T. 0.42 min  
 Lab File: BG044443.D  
 Acq: 14 Feb 2020 17:59

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-1A-(7.5-9.5)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 38.7  | 58.1# |
| 89      | 1.5   | 40.4  | 60.6# |



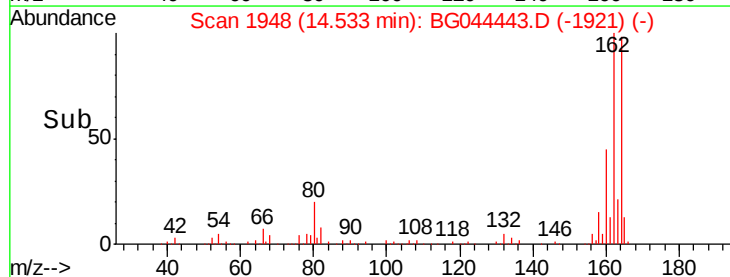
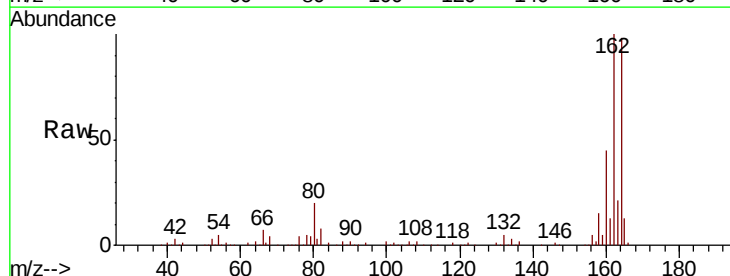
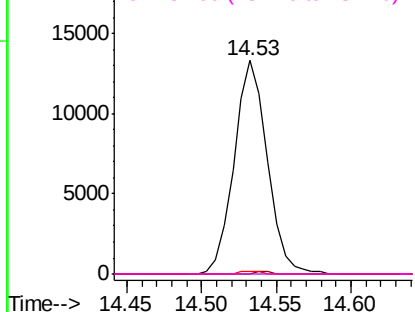
Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BGC  
 Ion 89.00 (88.70 to 89.70): BGC

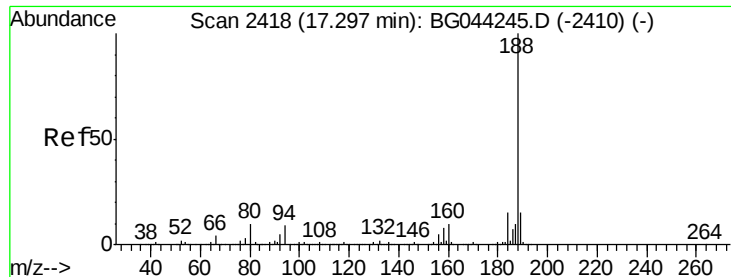


#57  
 2,4-Dinitrotoluene  
 Concen: 5.745 ng  
 RT: 14.53 min Scan# 1948  
 Delta R.T. -0.37 min  
 Lab File: BG044443.D  
 Acq: 14 Feb 2020 17:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 30.3  | 45.5# |
| 89      | 1.5   | 53.4  | 80.2# |
| 182     | 0.0   | 2.1   | 3.1#  |

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: 17.28 min Scan# 2415

Delta R.T. -0.01 min

Lab File: BG044443.D

Acq: 14 Feb 2020 17:59

Instrument :

BNA\_G

ClientSampleId :

SB-1A-(7.5-9.5)

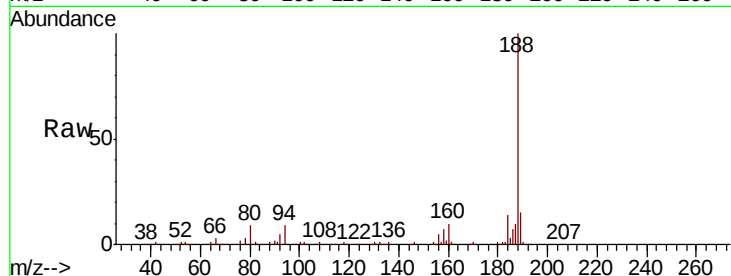
Tot Ion:188 Resp: 383533

Ion Ratio Lower Upper

188 100

94 8.9 7.4 11.2

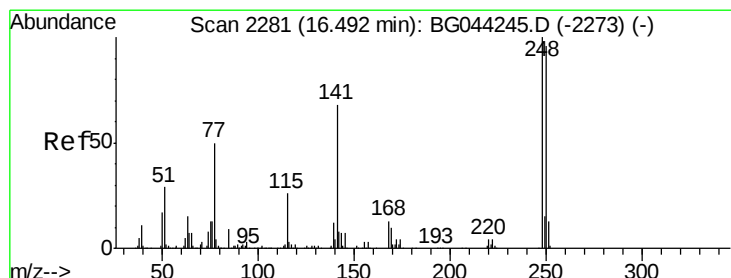
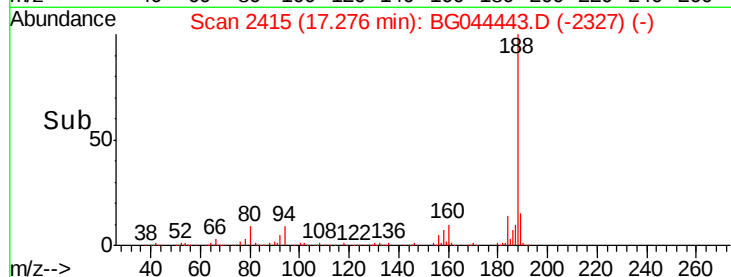
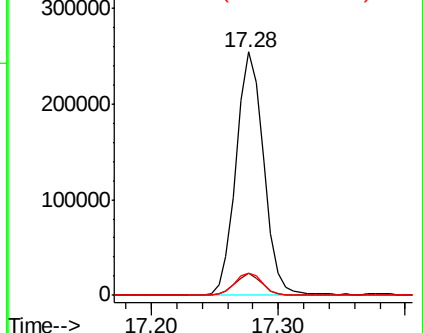
80 9.1 7.7 11.5



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: 4.178 ng

RT: 16.02 min Scan# 2202

Delta R.T. -0.45 min

Lab File: BG044443.D

Acq: 14 Feb 2020 17:59

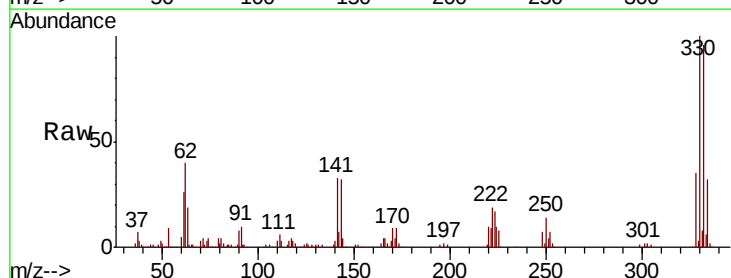
Tgt Ion:248 Resp: 17457

Ion Ratio Lower Upper

248 100

250 196.3 76.6 114.8#

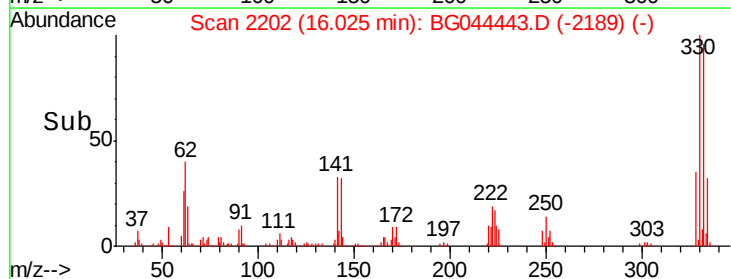
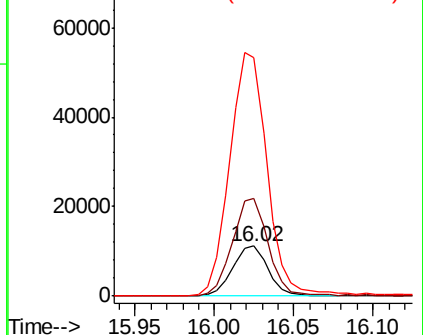
141 477.2 54.7 82.1#

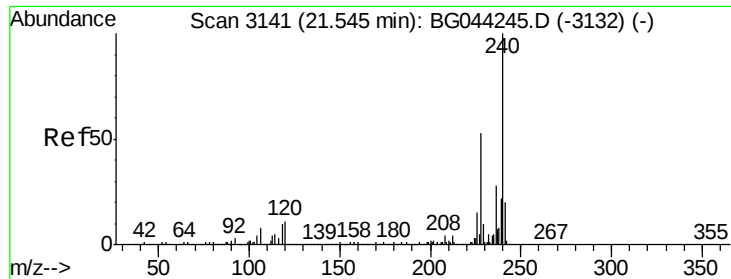


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

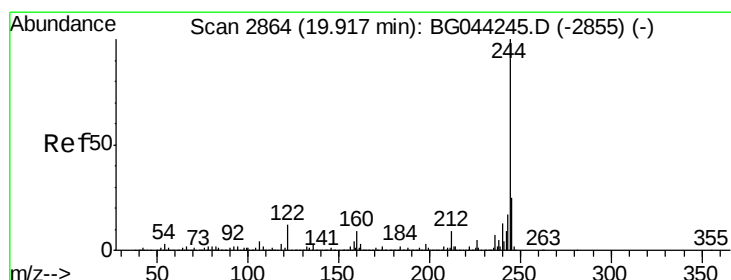
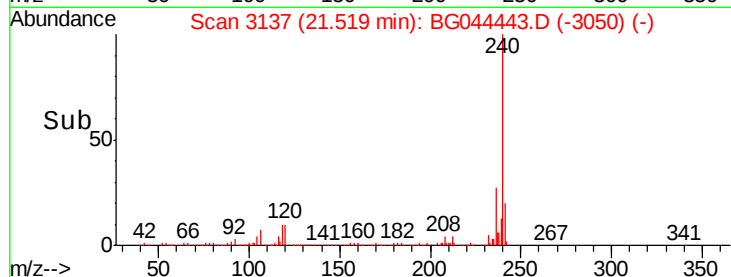
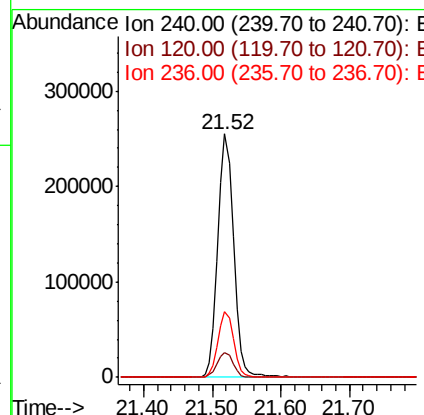
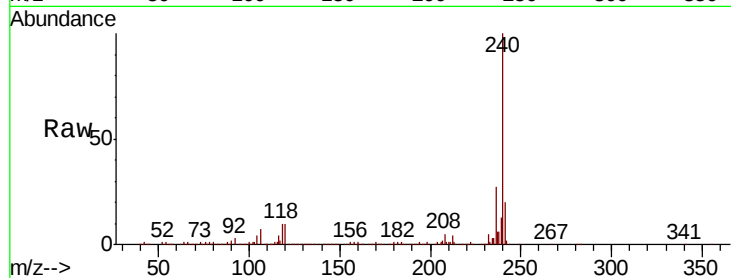




#76  
 Chrvsene-d12  
 Concen: 20.000 ng  
 RT: 21.52 min Scan# 3137  
 Delta R.T. -0.02 min  
 Lab File: BG044443.D  
 Acq: 14 Feb 2020 17:59

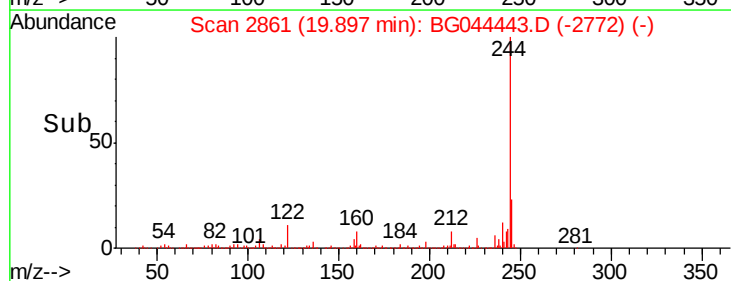
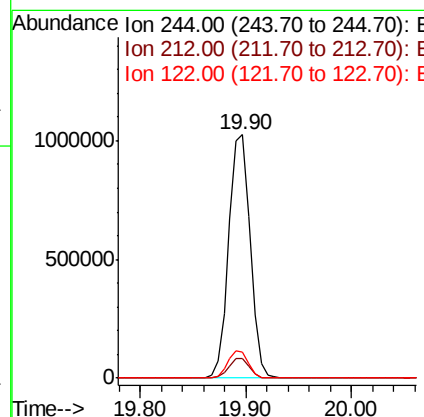
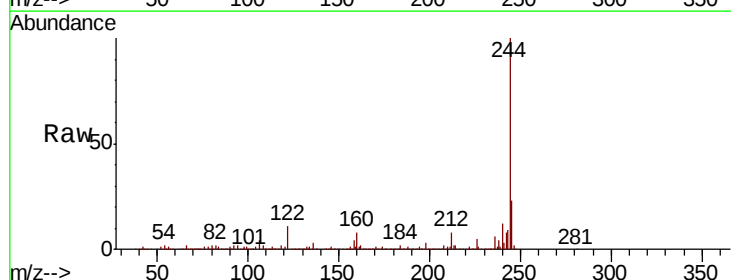
Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-1A-(7.5-9.5)

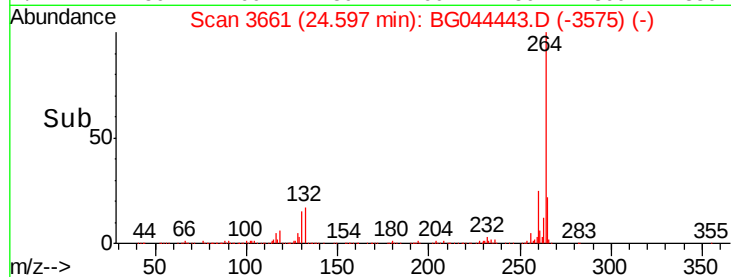
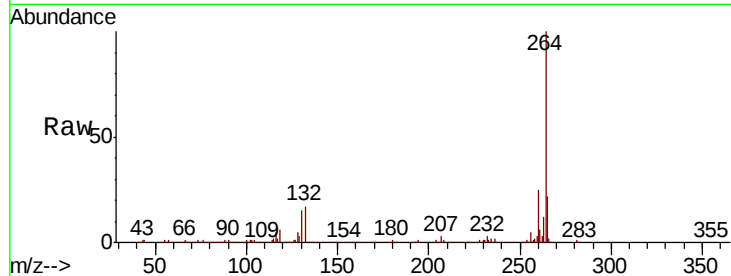
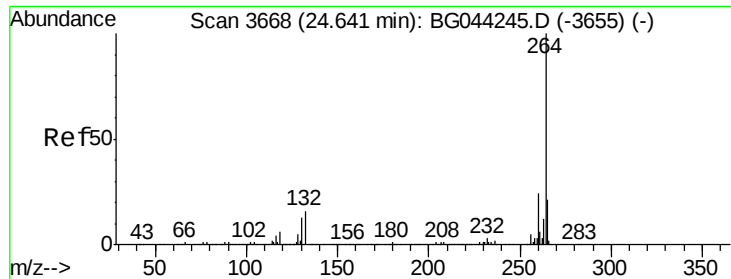
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.2  | 8.4   | 12.6  |
| 236     | 26.9  | 22.1  | 33.1  |



#79  
 Terphenyl-d14  
 Concen: 72.520 ng  
 RT: 19.90 min Scan# 2861  
 Delta R.T. -0.01 min  
 Lab File: BG044443.D  
 Acq: 14 Feb 2020 17:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.1   | 7.4   | 11.2  |
| 122     | 10.5  | 9.8   | 14.6  |





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.60 min Scan# 3661  
Delta R.T. -0.02 min  
Lab File: BG044443.D  
Acq: 14 Feb 2020 17:59

Instrument :  
BNA\_G  
ClientSampleId :  
SB-1A-(7.5-9.5)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.0  | 19.4  | 29.2  |
| 265     | 22.5  | 16.7  | 25.1  |

