

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF100918\  
 Data File : BF109726.D  
 Acq On : 10 Oct 2018 5:48  
 Operator : JU/SJ  
 Sample : J5318-03  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CON-220-6

Quant Time: Oct 10 06:43:05 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF100818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 08 16:02:11 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.70  | 152  | 72720    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.97  | 136  | 268153   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.72  | 164  | 106463   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.20 | 188  | 188349   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.83 | 240  | 210348   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.22 | 264  | 173993   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.33  | 112  | 43269    | 10.56 | ng    | 0.00     |
| 7) Phenol-d6                | 6.42  | 99   | 202212   | 36.95 | ng    | 0.06     |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 305599   | 62.82 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.52 | 330  | 1401     | 1.21  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.05  | 172  | 534069   | 69.09 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.78 | 244  | 490533   | 45.14 | ng    | 0.00     |

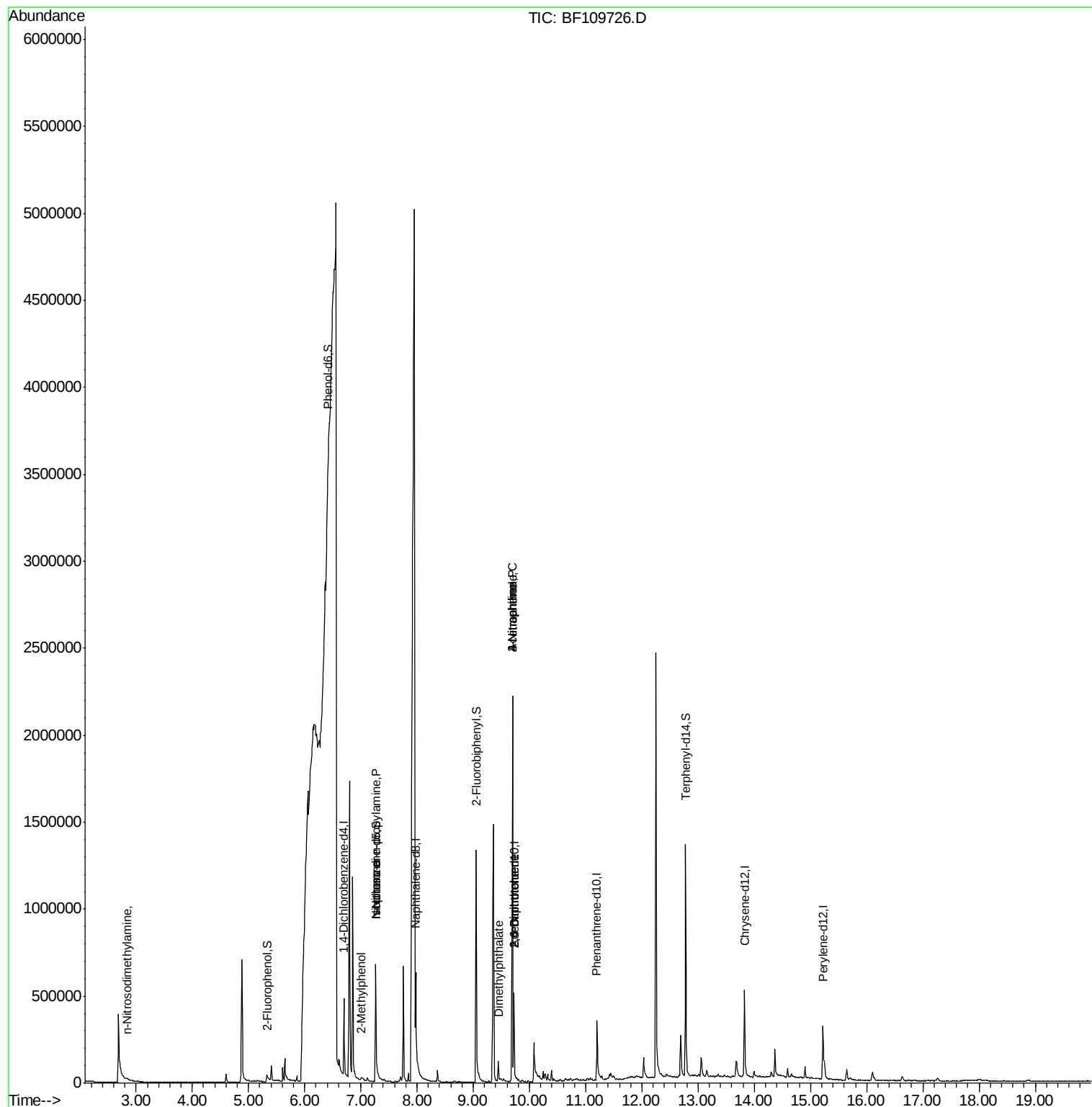
| Target Compounds               | R.T. | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|------|------|----------|--------|-------|--------|
| 4) n-Nitrosodimethylamine      | 2.85 | 42   | 8571     | 5.353  | ng    | # 1    |
| 17) 2-Methylphenol             | 7.02 | 107  | 8465     | 2.125  | ng    | # 81   |
| 19) n-Nitroso-di-n-propylamine | 7.26 | 70   | 39733    | 10.353 | ng    | # 78   |
| 25) Isophorone                 | 7.26 | 82   | 305599   | 37.831 | ng    | # 67   |
| 49) Dimethylphthalate          | 9.45 | 163  | 58765    | 7.526  | ng    | # 99   |
| 50) 2,6-Dinitrotoluene         | 9.72 | 165  | 15421    | 9.111  | ng    | # 23   |
| 51) Acenaphthene               | 9.70 | 154  | 28985    | 4.707  | ng    | # 47   |
| 52) 3-Nitroaniline             | 9.70 | 138  | 4583     | 2.416  | ng    | # 4    |
| 55) 4-Nitrophenol              | 9.70 | 139  | 87798    | 84.544 | ng    | # 10   |
| 56) 2,4-Dinitrotoluene         | 9.72 | 165  | 15556    | 7.365  | ng    | # 20   |

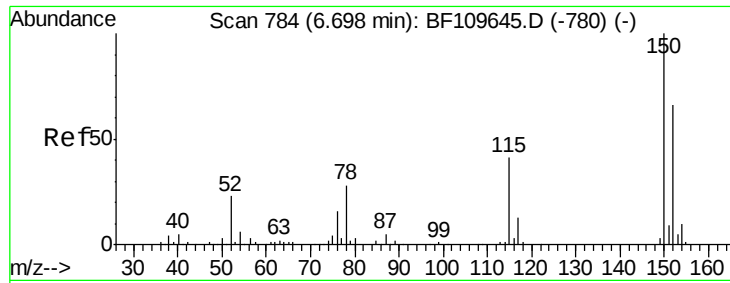
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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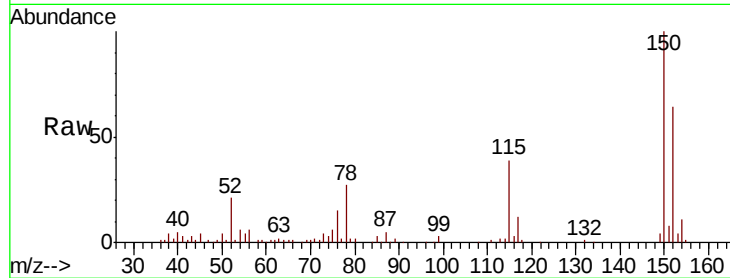




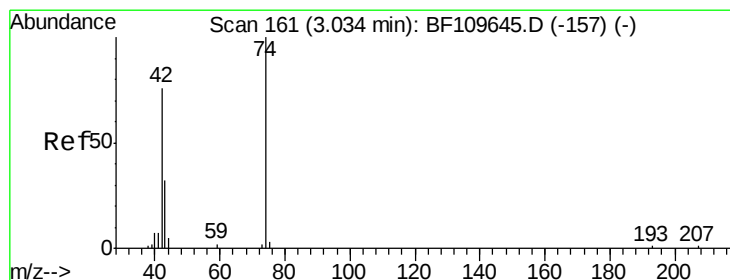
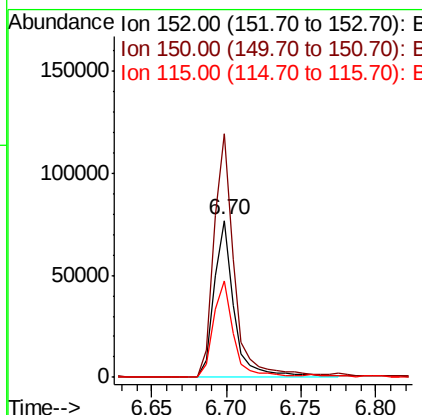
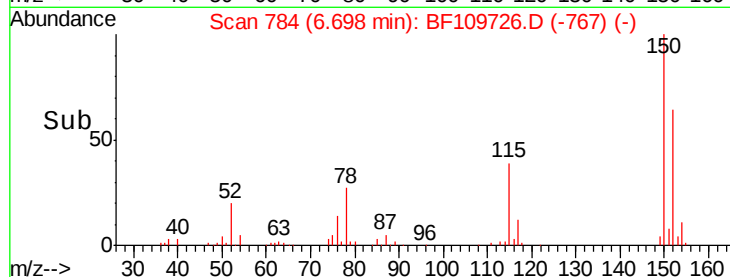
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.70 min Scan# 784  
 Delta R.T. -0.00 min  
 Lab File: BF109726.D  
 Acq: 10 Oct 2018 5:48

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CON-220-6

Tgt Ion:152 Resp: 72720  
 Ion Ratio Lower Upper  
 152 100  
 150 155.2 122.7 184.1  
 115 61.1 49.1 73.7

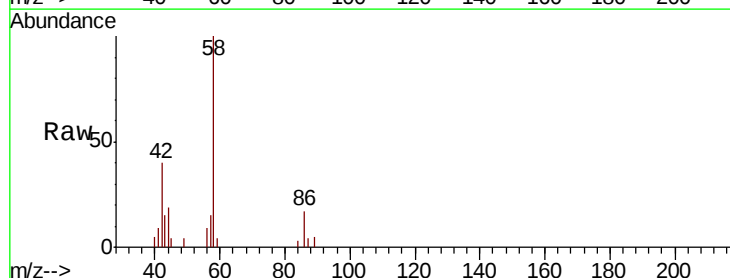


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

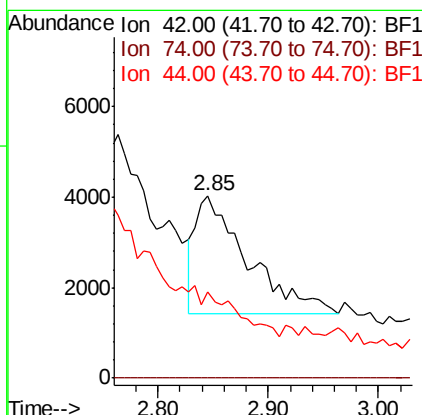
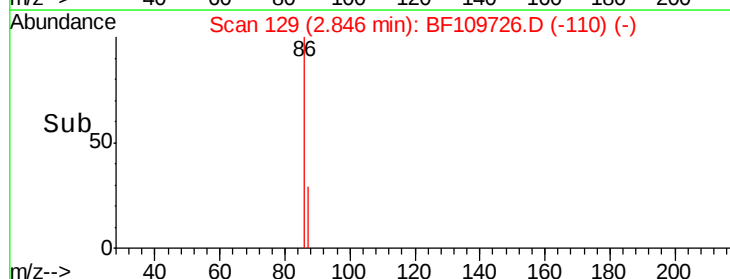


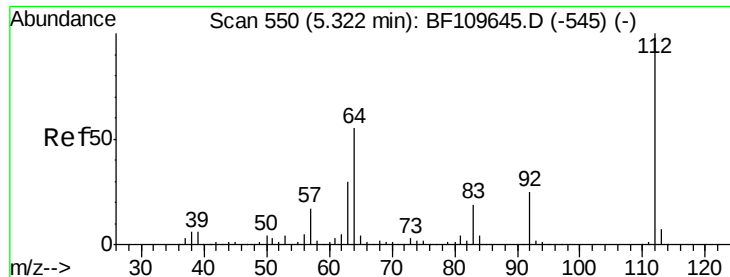
#4  
 n-Nitrosodimethylamine  
 Concen: 5.353 ng  
 RT: 2.85 min Scan# 129  
 Delta R.T. -0.19 min  
 Lab File: BF109726.D  
 Acq: 10 Oct 2018 5:48

Tgt Ion: 42 Resp: 8571  
 Ion Ratio Lower Upper  
 42 100  
 74 0.0 105.5 158.3#  
 44 47.1 4.9 7.3#



Abundance Ion 42.00 (41.70 to 42.70): BF1  
 Ion 74.00 (73.70 to 74.70): BF1  
 Ion 44.00 (43.70 to 44.70): BF1

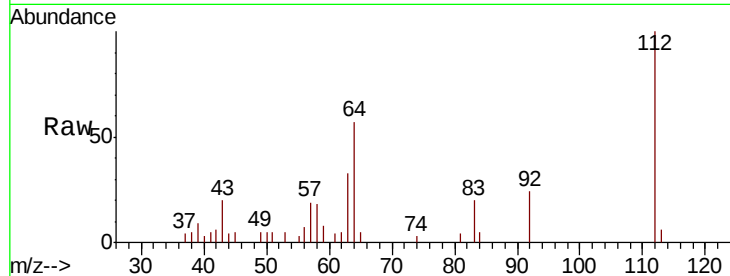




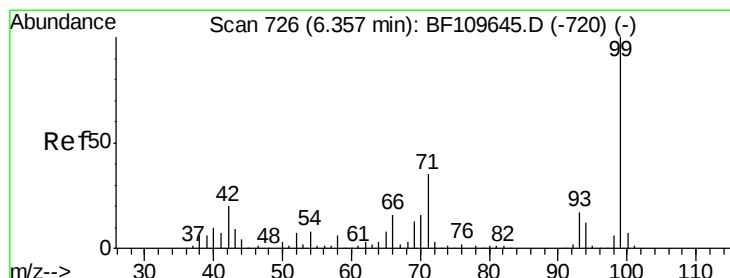
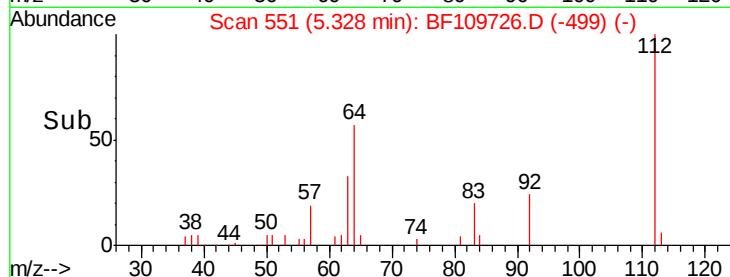
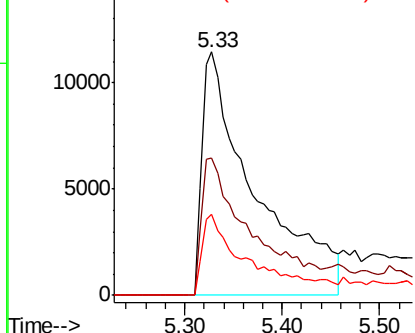
#5  
2-Fluorophenol  
Concen: 10.562 ng  
RT: 5.33 min Scan# 551  
Delta R.T. 0.01 min  
Lab File: BF109726.D  
Acq: 10 Oct 2018 5:48

Instrument :  
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Tgt Ion: 112 Resp: 43269  
Ion Ratio Lower Upper  
112 100  
64 56.5 44.1 66.1  
63 33.0 23.7 35.5

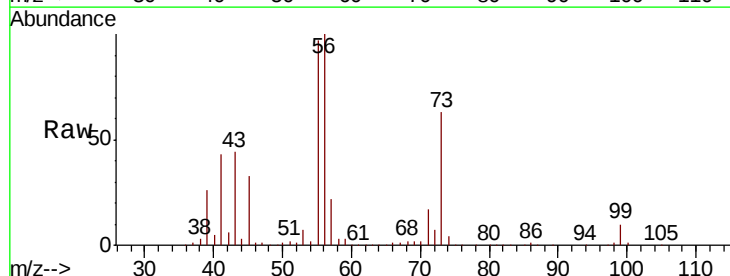


Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1

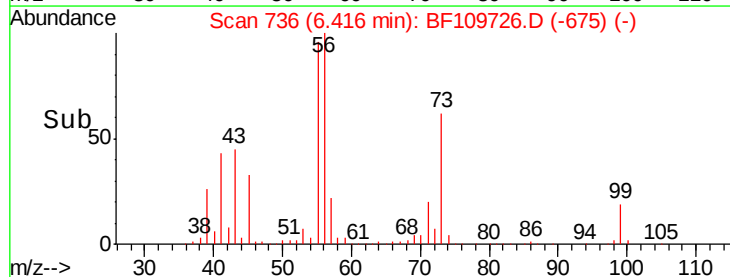
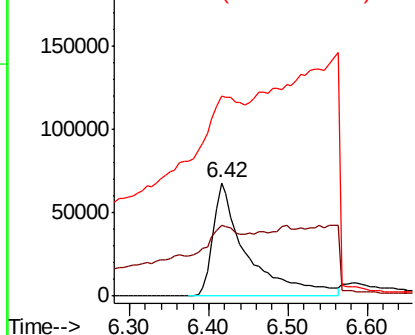


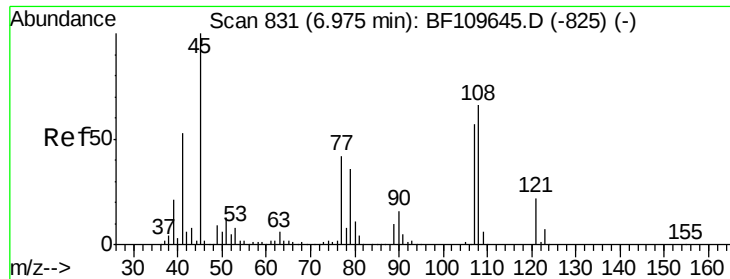
#7  
Phenol-d6  
Concen: 36.948 ng  
RT: 6.42 min Scan# 736  
Delta R.T. 0.06 min  
Lab File: BF109726.D  
Acq: 10 Oct 2018 5:48

Tgt Ion: 99 Resp: 202212  
Ion Ratio Lower Upper  
99 100  
42 62.8 15.8 23.6#  
71 176.8 28.0 42.0#



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1

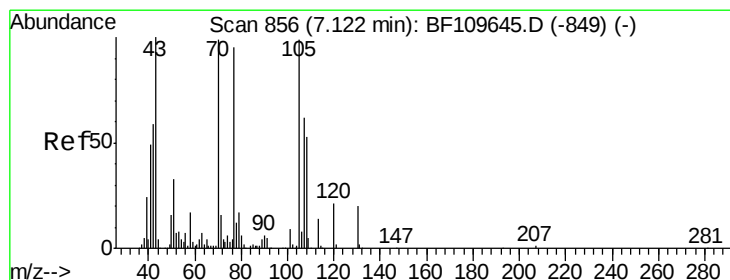
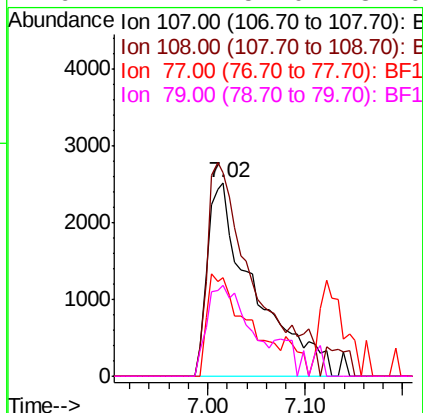
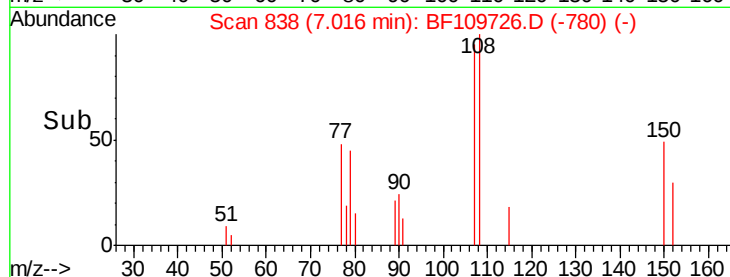
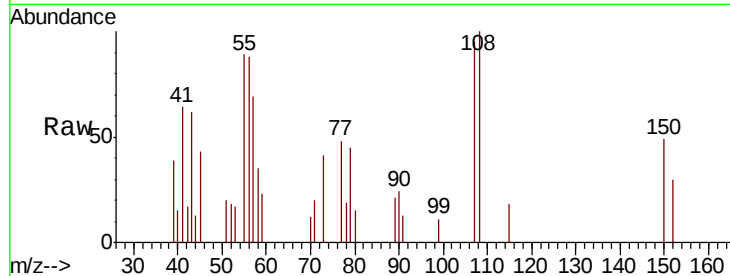




#17  
2-Methylphenol  
Concen: 2.125 ng  
RT: 7.02 min Scan# 838  
Delta R.T. 0.04 min  
Lab File: BF109726.D  
Acq: 10 Oct 2018 5:48

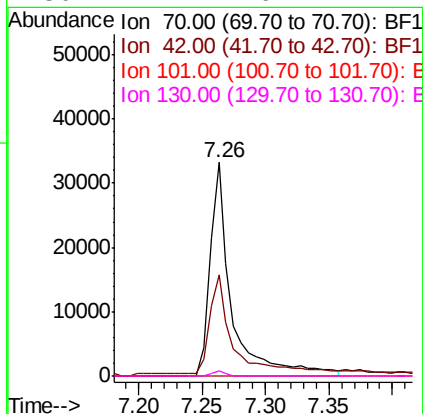
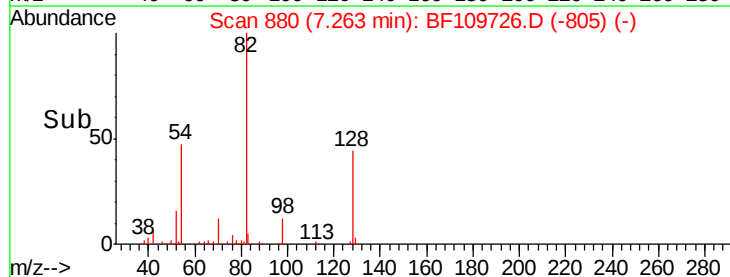
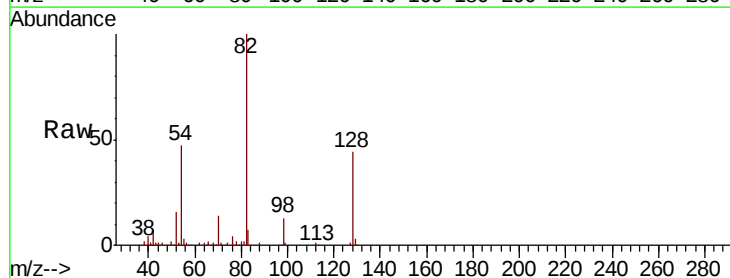
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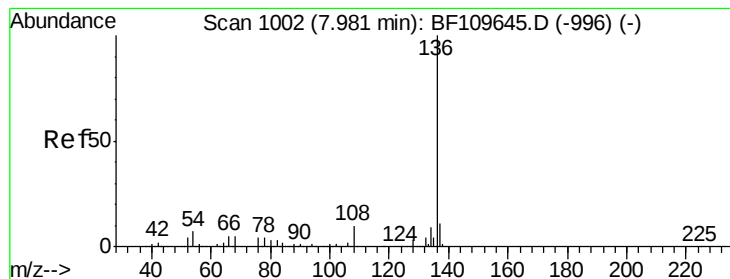
Tgt Ion:107 Resp: 8465  
Ion Ratio Lower Upper  
107 100  
108 105.4 92.6 138.8  
77 50.9 59.4 89.2#  
79 47.2 54.0 81.0#



#19  
n-Nitroso-di-n-propylamine  
Concen: 10.353 ng  
RT: 7.26 min Scan# 880  
Delta R.T. 0.14 min  
Lab File: BF109726.D  
Acq: 10 Oct 2018 5:48

Tgt Ion: 70 Resp: 39733  
Ion Ratio Lower Upper  
70 100  
42 47.4 47.4 71.2#  
101 0.0 7.3 10.9#  
130 2.2 16.2 24.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF109726.D

Acq: 10 Oct 2018 5:48

Instrument :

BNA\_F

ClientSampleId :

CON-220-6

Tgt Ion: 136 Resp: 268153

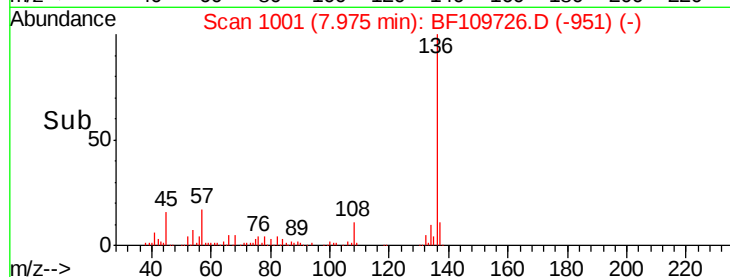
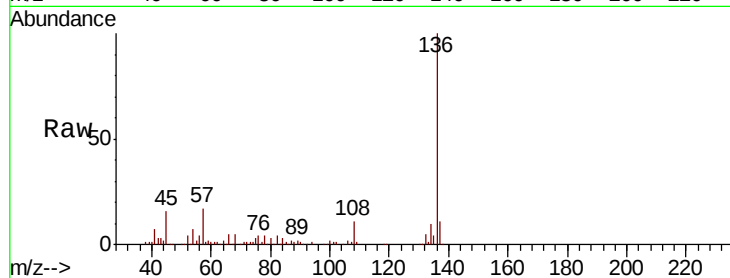
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 7.4 5.4 8.2

68 5.4 4.2 6.2

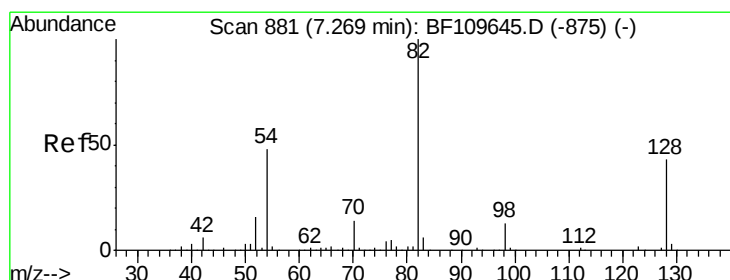
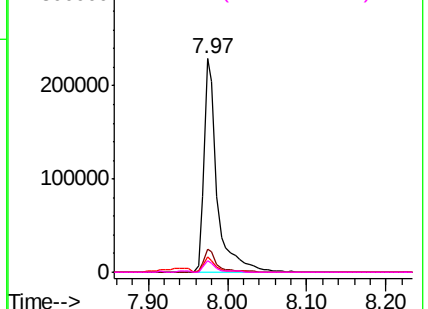


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 62.821 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF109726.D

Acq: 10 Oct 2018 5:48

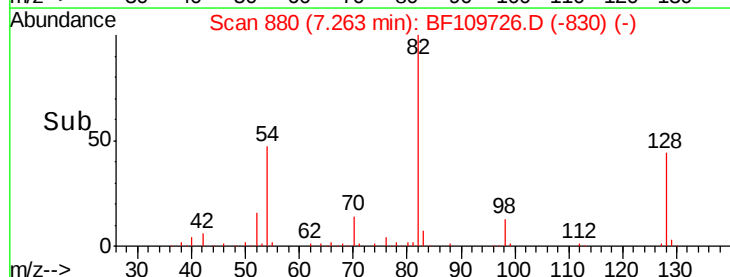
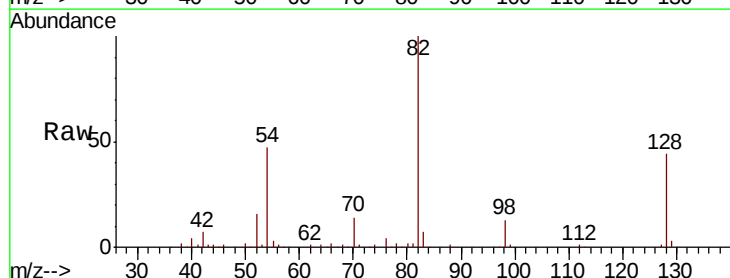
Tgt Ion: 82 Resp: 305599

Ion Ratio Lower Upper

82 100

128 43.6 34.2 51.2

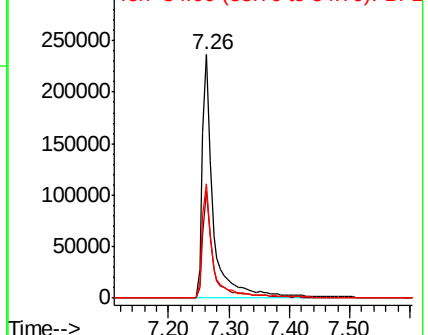
54 47.1 38.6 58.0

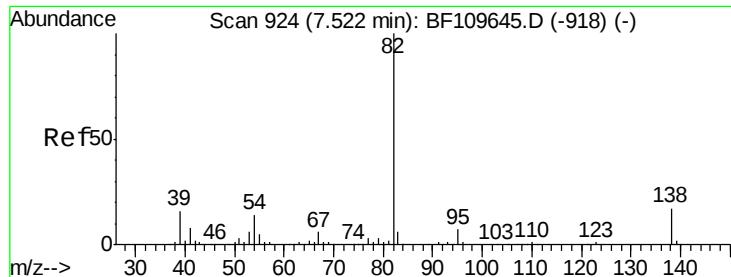


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

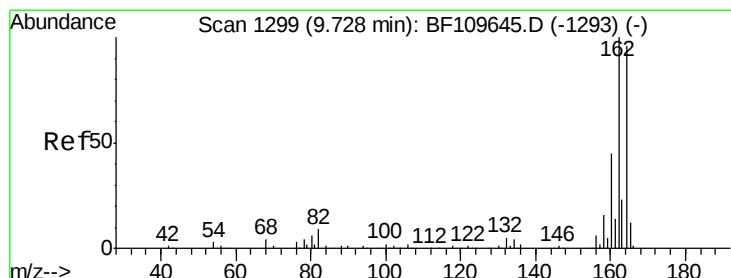
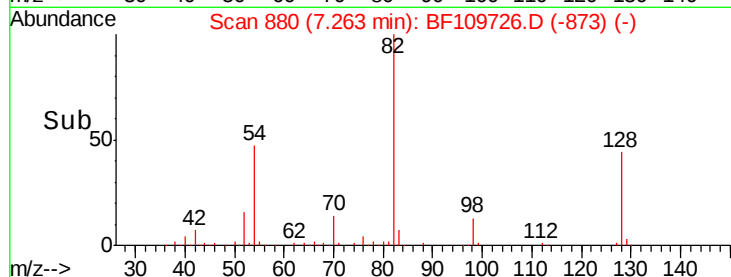
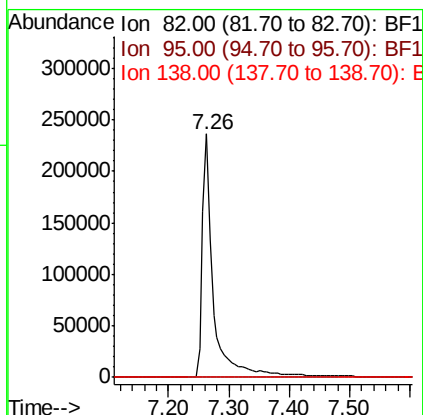
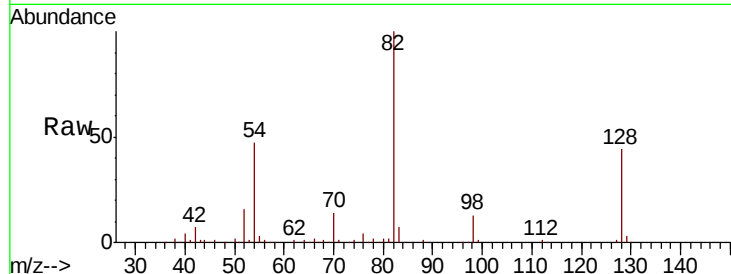




#25  
Isophorone  
Concen: 37.831 ng  
RT: 7.26 min Scan# 880  
Delta R.T. -0.26 min  
Lab File: BF109726.D  
Acq: 10 Oct 2018 5:48

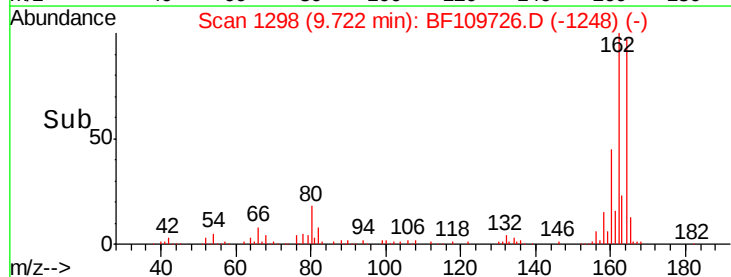
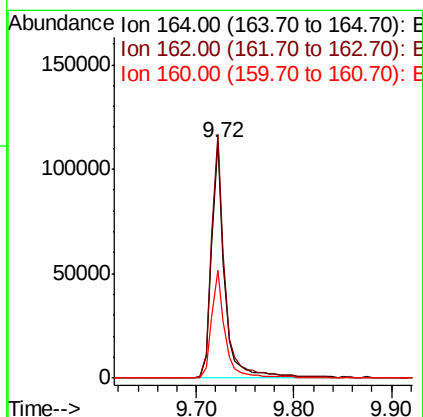
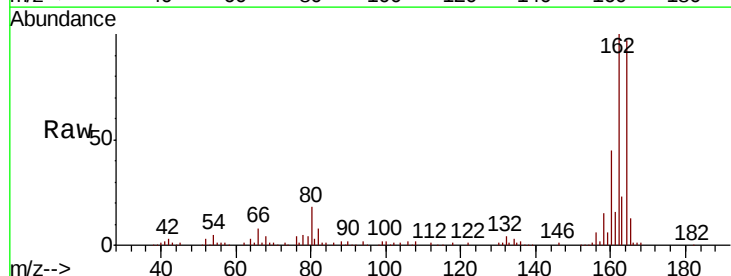
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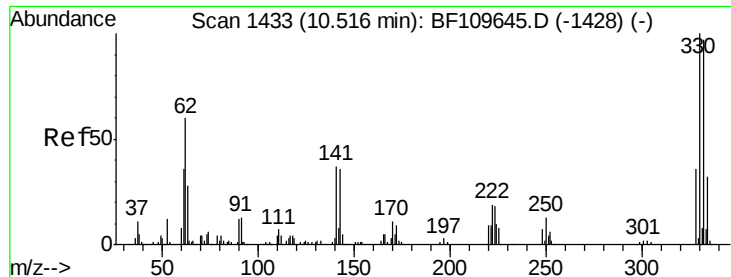
Tgt Ion: 82 Resp: 305599  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 13.2 19.8#



#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.72 min Scan# 1298  
Delta R.T. -0.01 min  
Lab File: BF109726.D  
Acq: 10 Oct 2018 5:48

Tgt Ion: 164 Resp: 106463  
Ion Ratio Lower Upper  
164 100  
162 103.2 83.0 124.6  
160 46.0 37.0 55.6

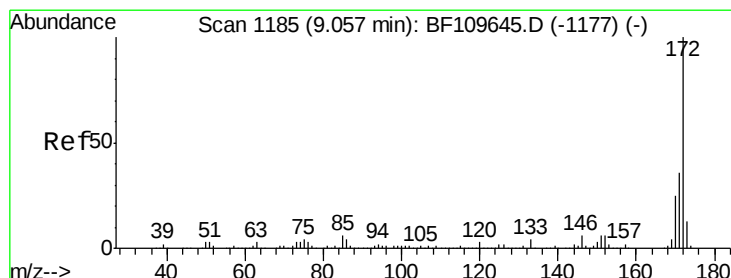
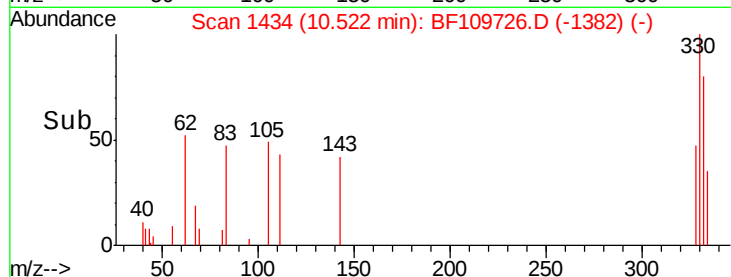
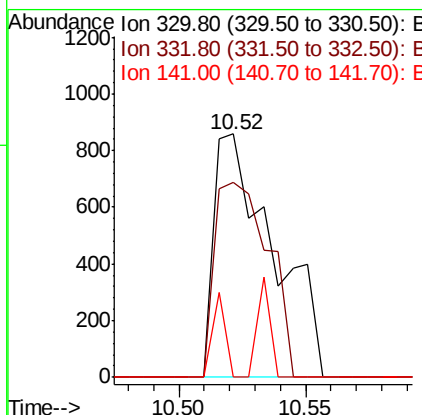
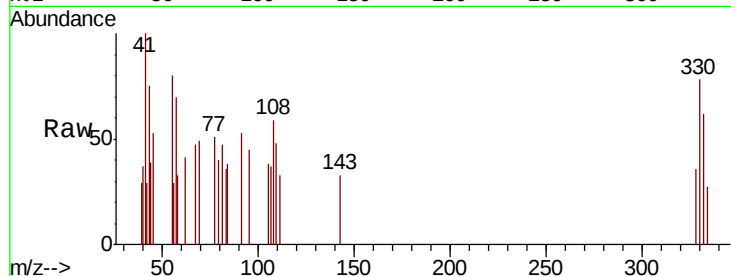




#41  
 2,4,6-Tribromophenol  
 Concen: 1.208 ng  
 RT: 10.52 min Scan# 1434  
 Delta R.T. 0.01 min  
 Lab File: BF109726.D  
 Acq: 10 Oct 2018 5:48

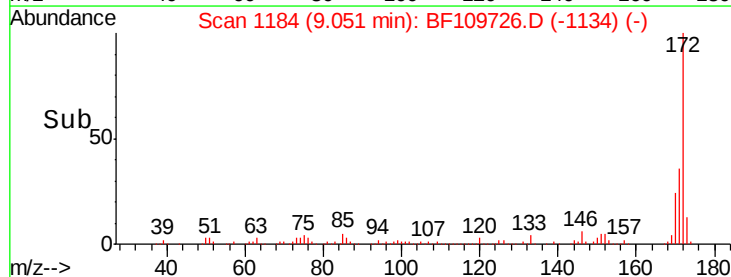
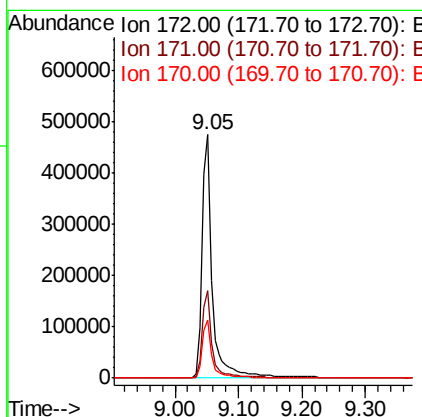
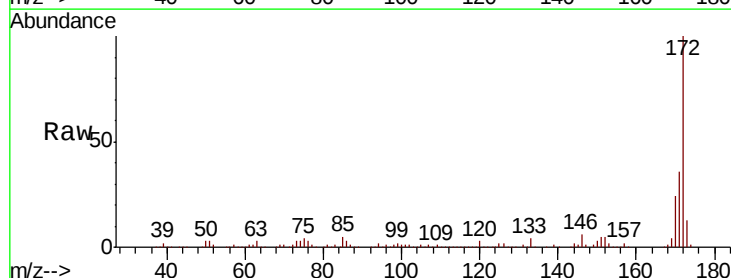
Instrument :  
 BNA\_F  
 ClientSampled :  
 CON-220-6

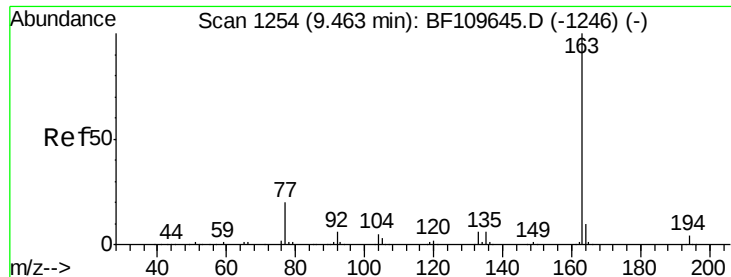
Tgt Ion:330 Resp: 1401  
 Ion Ratio Lower Upper  
 330 100  
 332 73.0 77.1 115.7#  
 141 7.6 27.0 40.4#



#44  
 2-Fluorobiphenyl  
 Concen: 69.090 ng  
 RT: 9.05 min Scan# 1184  
 Delta R.T. -0.01 min  
 Lab File: BF109726.D  
 Acq: 10 Oct 2018 5:48

Tgt Ion:172 Resp: 534069  
 Ion Ratio Lower Upper  
 172 100  
 171 35.7 28.6 43.0  
 170 24.0 19.7 29.5

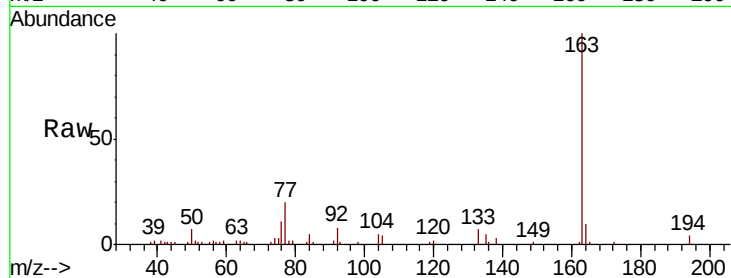




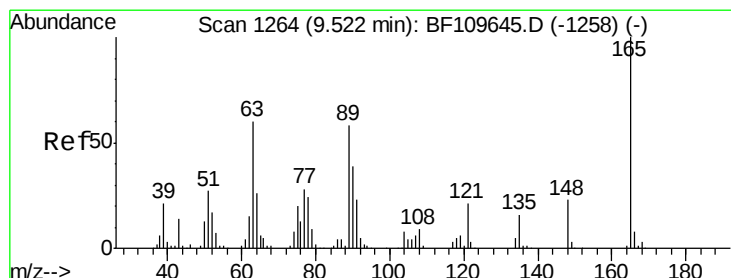
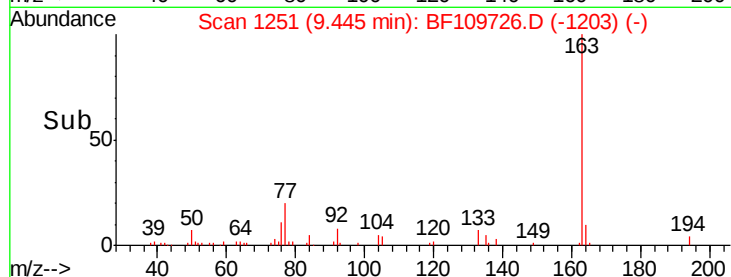
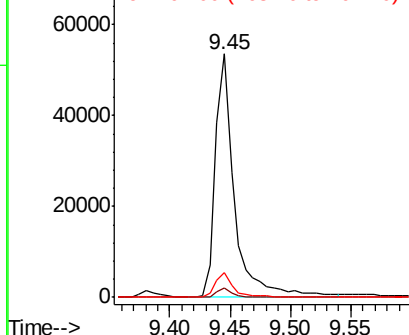
#49  
Dimethylphthalate  
Concen: 7.526 ng  
RT: 9.45 min Scan# 1251  
Delta R.T. -0.02 min  
Lab File: BF109726.D  
Acq: 10 Oct 2018 5:48

Instrument :  
BNA\_F  
ClientSampleId :  
CON-220-6

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 3.8   | 3.2   | 4.8   |
| 164     | 10.3  | 8.1   | 12.1  |

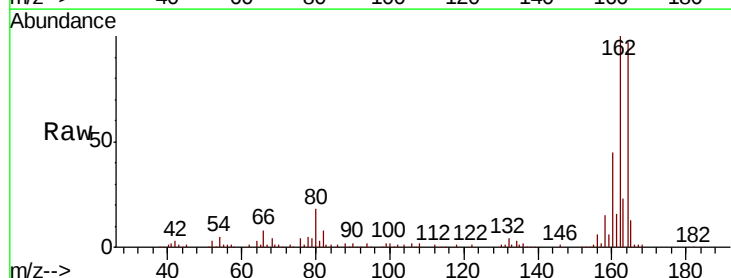


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

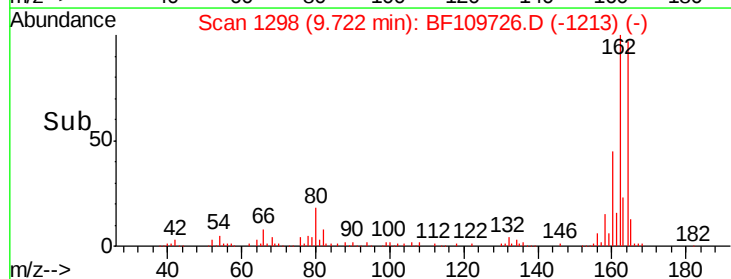
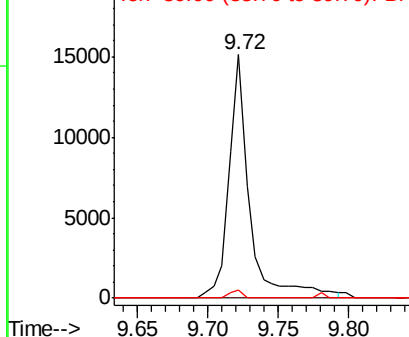


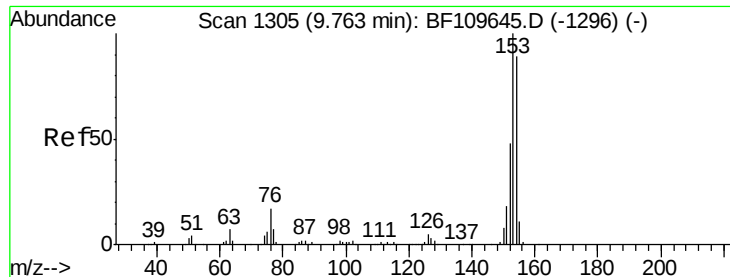
#50  
2,6-Dinitrotoluene  
Concen: 9.111 ng  
RT: 9.72 min Scan# 1298  
Delta R.T. 0.20 min  
Lab File: BF109726.D  
Acq: 10 Oct 2018 5:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 48.9  | 73.3# |
| 89      | 3.4   | 46.6  | 69.8# |



Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 4.707 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.06 min

Lab File: BF109726.D

Acq: 10 Oct 2018 5:48

Instrument :

BNA\_F

ClientSampleId :

CON-220-6

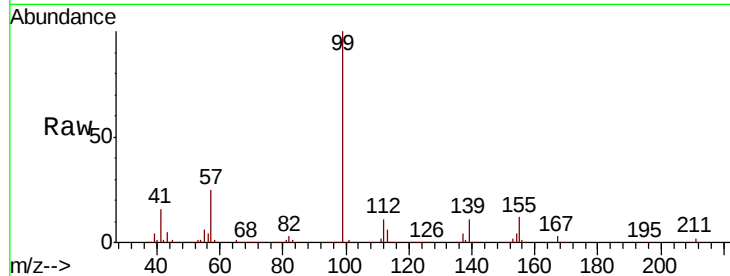
Tgt Ion:154 Resp: 28985

Ion Ratio Lower Upper

154 100

153 63.6 90.1 135.1#

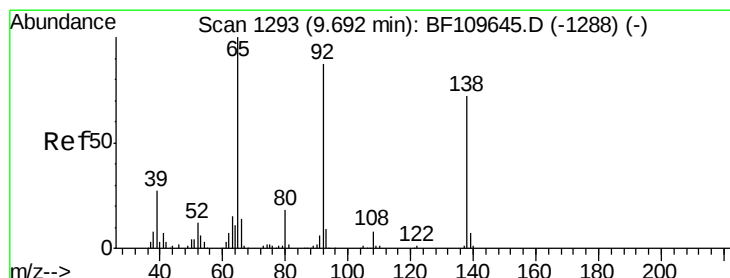
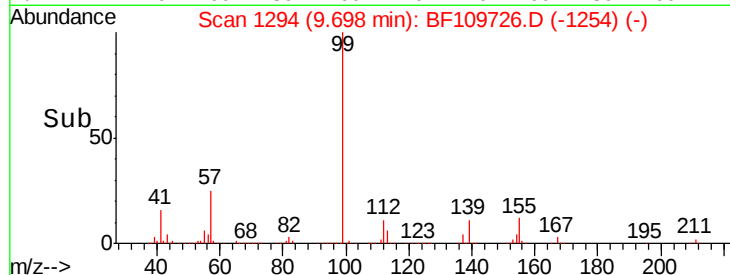
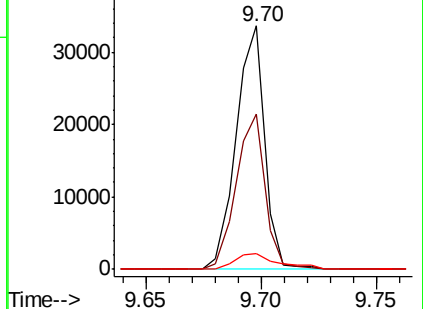
152 6.6 43.4 65.2#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 2.416 ng

RT: 9.70 min Scan# 1294

Delta R.T. 0.01 min

Lab File: BF109726.D

Acq: 10 Oct 2018 5:48

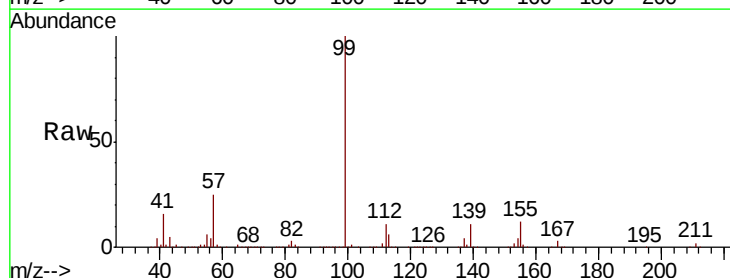
Tgt Ion:138 Resp: 4583

Ion Ratio Lower Upper

138 100

108 17.6 8.7 13.1#

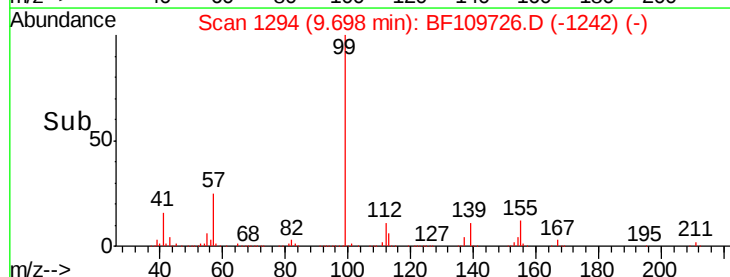
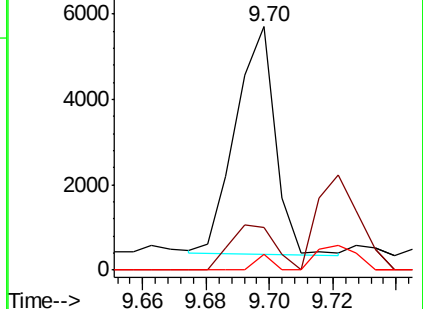
92 6.6 97.0 145.4#

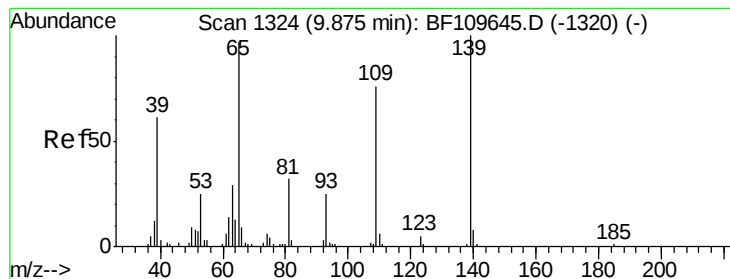


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1





#55

4-Nitrophenol

Concen: 84.544 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.18 min

Lab File: BF109726.D

Acq: 10 Oct 2018 5:48

Instrument :

BNA\_F

ClientSampled :

CON-220-6

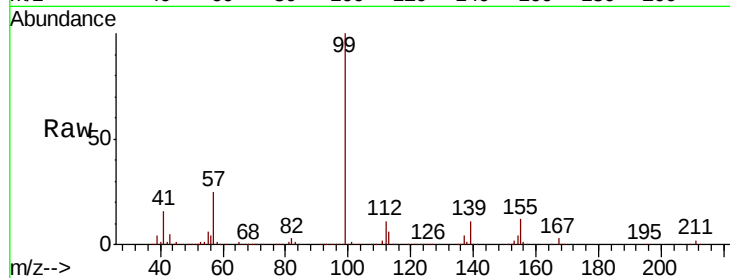
Tgt Ion:139 Resp: 87798

Ion Ratio Lower Upper

139 100

109 0.6 55.8 95.8#

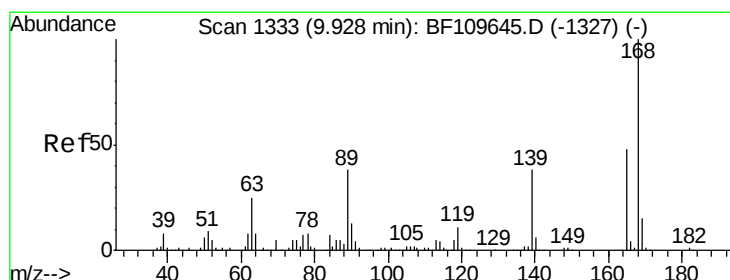
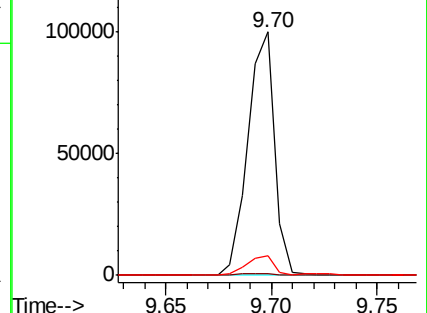
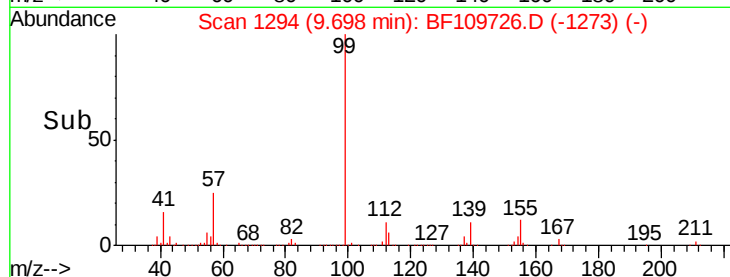
65 7.9 77.9 117.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#56

2,4-Dinitrotoluene

Concen: 7.365 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.21 min

Lab File: BF109726.D

Acq: 10 Oct 2018 5:48

Tgt Ion:165 Resp: 15556

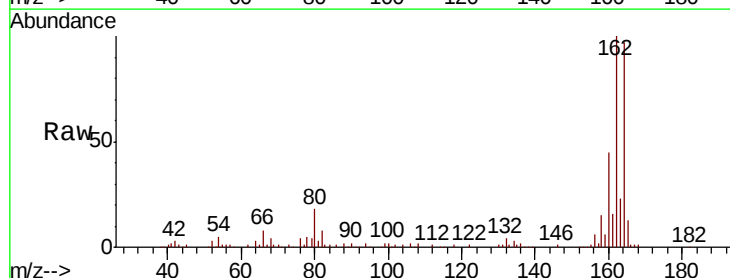
Ion Ratio Lower Upper

165 100

63 0.0 44.8 67.2#

89 3.4 62.2 93.4#

182 2.0 2.1 3.1#

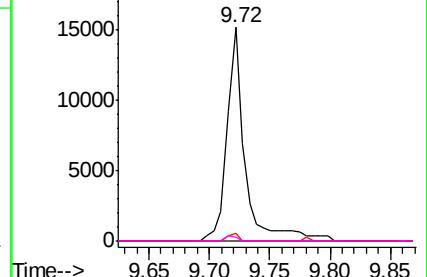
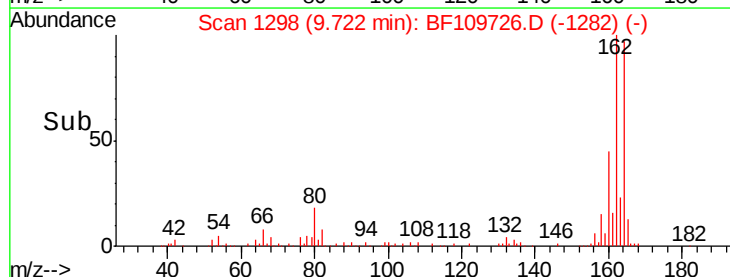


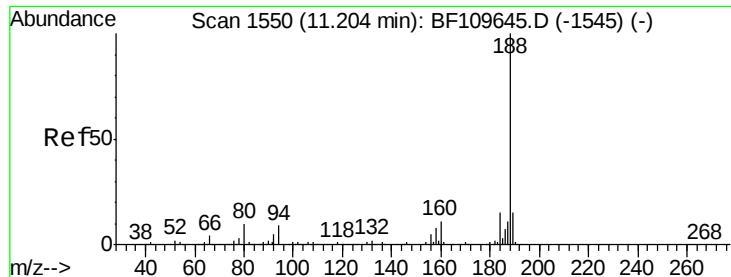
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

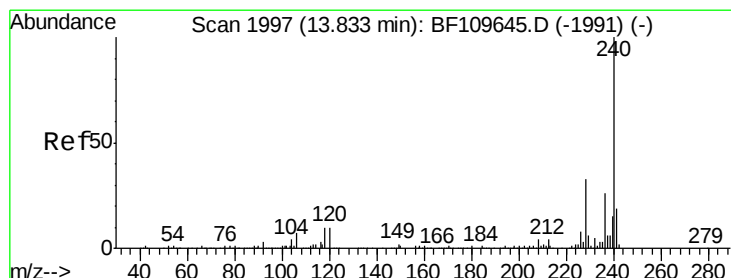
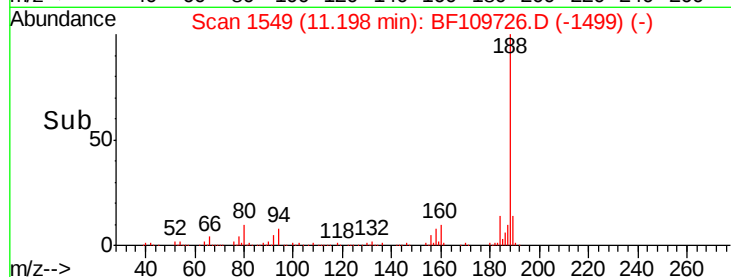
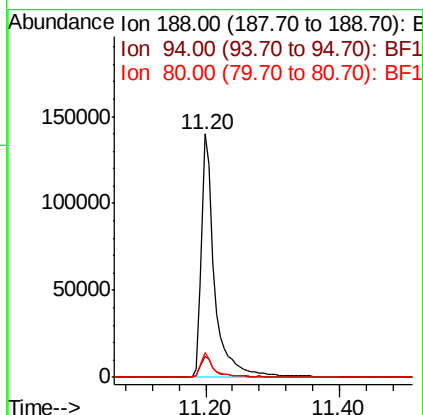
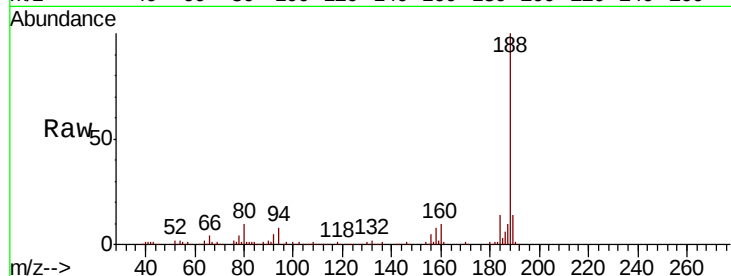




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.20 min Scan# 1549  
Delta R.T. -0.01 min  
Lab File: BF109726.D  
Acq: 10 Oct 2018 5:48

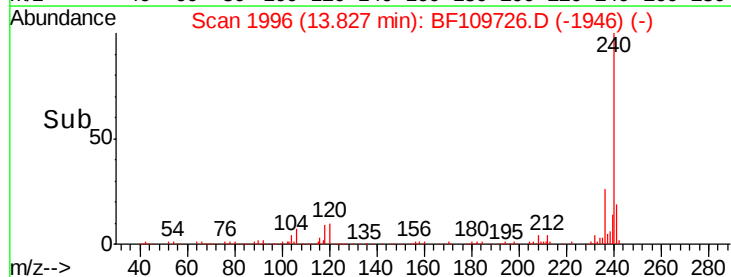
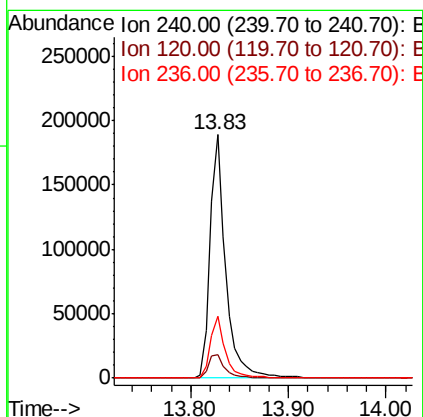
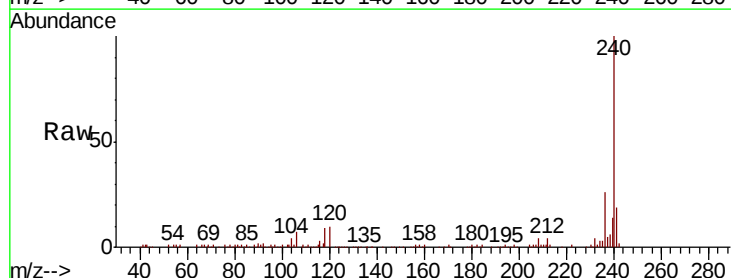
Instrument :  
BNA\_F  
ClientSampleId :  
CON-220-6

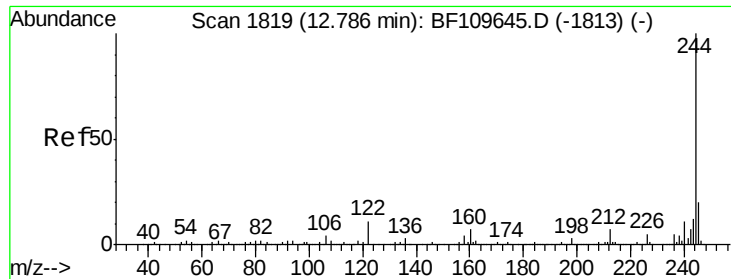
Tgt Ion:188 Resp: 188349  
Ion Ratio Lower Upper  
188 100  
94 8.5 7.2 10.8  
80 10.0 7.9 11.9



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.83 min Scan# 1996  
Delta R.T. -0.01 min  
Lab File: BF109726.D  
Acq: 10 Oct 2018 5:48

Tgt Ion:240 Resp: 210348  
Ion Ratio Lower Upper  
240 100  
120 9.8 8.3 12.5  
236 25.6 21.2 31.8





#78

Terphenyl-d14

Concen: 45.144 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF109726.D

Acq: 10 Oct 2018 5:48

Instrument :

BNA\_F

ClientSampleId :

CON-220-6

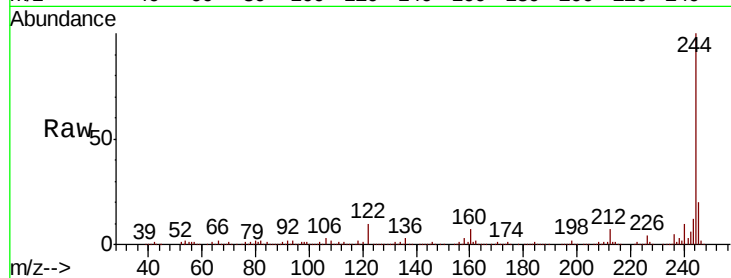
Tgt Ion:244 Resp: 490533

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

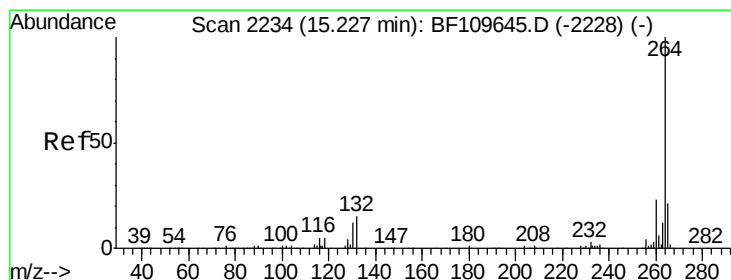
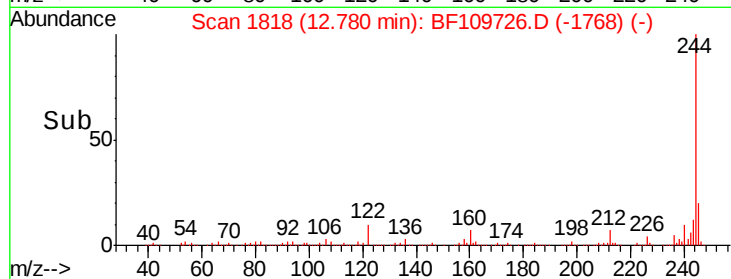
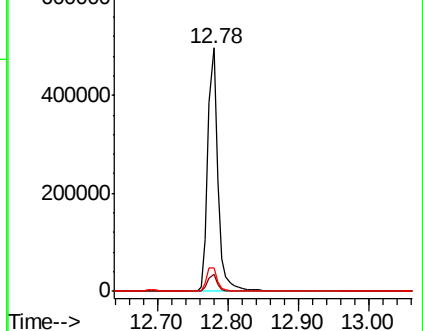
122 9.8 8.7 13.1



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: 15.22 min Scan# 2233

Delta R.T. -0.01 min

Lab File: BF109726.D

Acq: 10 Oct 2018 5:48

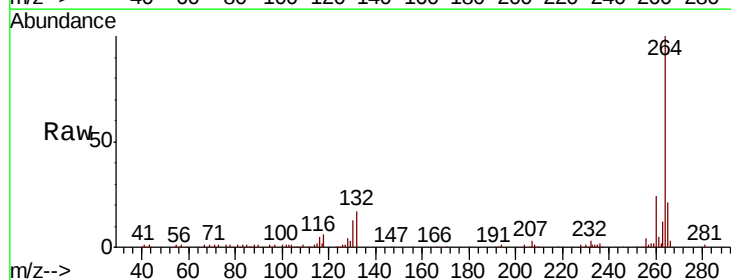
Tgt Ion:264 Resp: 173993

Ion Ratio Lower Upper

264 100

260 23.7 18.7 28.1

265 20.8 16.7 25.1



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

