

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF111218\  
 Data File : BF110682.D  
 Acq On : 12 Nov 2018 18:49  
 Operator : JU/SJ  
 Sample : J5269-22  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-14

Quant Time: Nov 13 05:40:23 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF110818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 09 15:13:13 2018  
 Response via : Initial Calibration

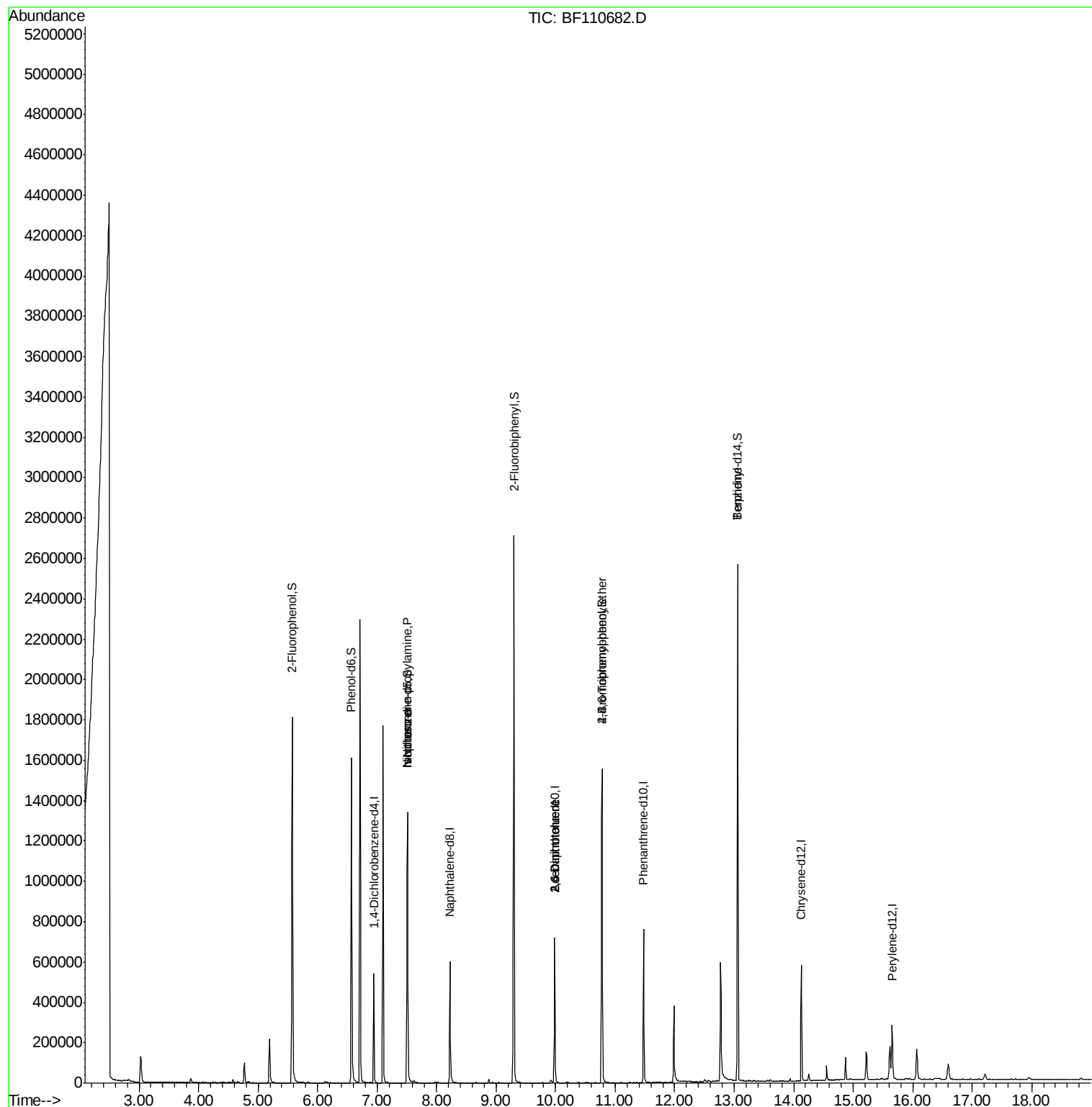
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.95  | 152  | 78561    | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.22  | 136  | 325691   | 20.00     | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.99  | 164  | 161095   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.48 | 188  | 307802   | 20.00     | ng    | 0.00     |
| 76) Chrysene-d12               | 14.13 | 240  | 199803   | 20.00     | ng    | -0.01    |
| 87) Perylene-d12               | 15.66 | 264  | 148828   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.57  | 112  | 495144   | 102.38    | ng    | 0.01     |
| 7) Phenol-d6                   | 6.57  | 99   | 564994   | 91.35     | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.51  | 82   | 455051   | 80.46     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.78 | 330  | 185569   | 114.32    | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.30  | 172  | 861829   | 76.41     | ng    | 0.00     |
| 79) Terphenyl-d14              | 13.06 | 244  | 839665   | 78.70     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.57  | 77   | 692      | Below Cal |       | Qvalue   |
| 19) n-Nitroso-di-n-propylamine | 7.51  | 70   | 60369    | 15.291 ng | #     | 1        |
| 25) Isophorone                 | 7.51  | 82   | 455047   | 49.092 ng | #     | 77       |
| 51) 2,6-Dinitrotoluene         | 9.98  | 165  | 19760    | 7.473 ng  | #     | 67       |
| 57) 2,4-Dinitrotoluene         | 9.98  | 165  | 19760    | 5.747 ng  | #     | 22       |
| 67) 4-Bromophenyl-phenylether  | 10.78 | 248  | 11656    | 3.426 ng  | #     | 18       |
| 77) Benzydine                  | 13.06 | 184  | 11179    | 2.035 ng  | #     | 1        |
|                                |       |      |          |           | #     | 92       |

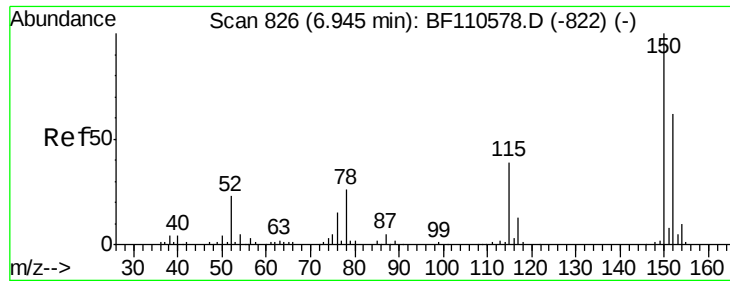
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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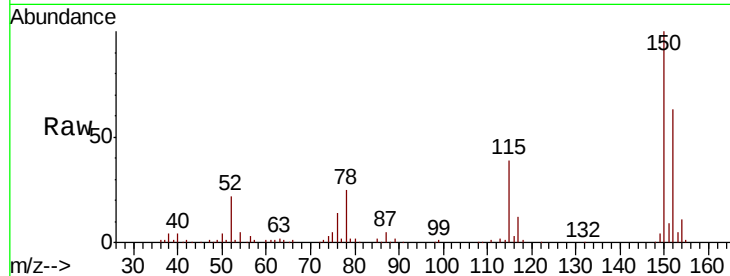




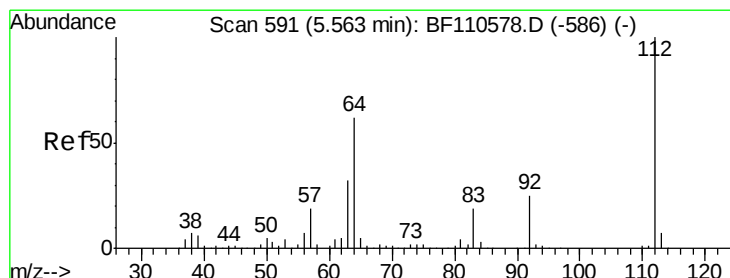
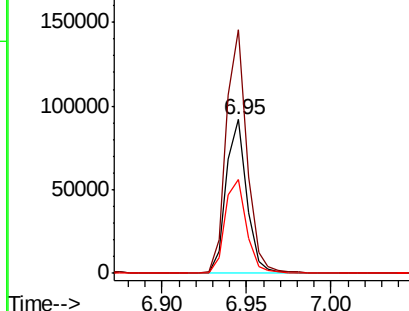
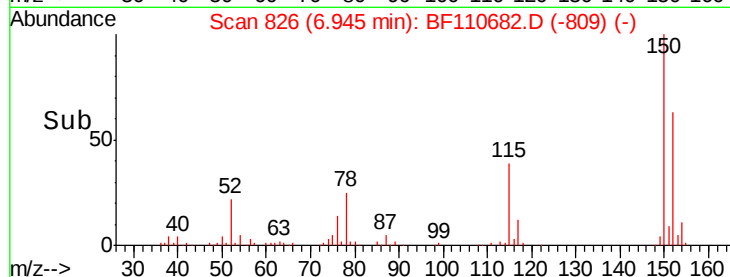
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.95 min Scan# 826  
 Delta R.T. -0.00 min  
 Lab File: BF110682.D  
 Acq: 12 Nov 2018 18:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-14

Tgt Ion:152 Resp: 78561  
 Ion Ratio Lower Upper  
 152 100  
 150 158.3 122.7 184.1  
 115 61.3 49.1 73.7

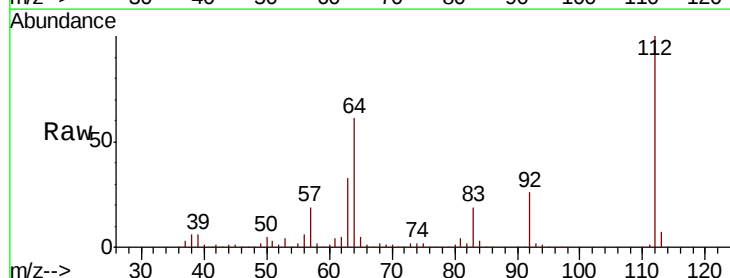


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

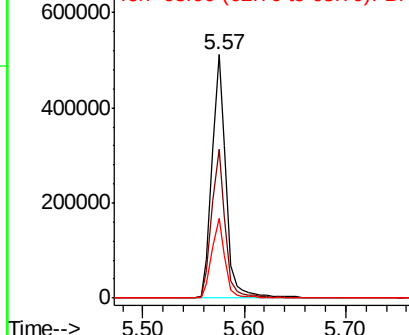
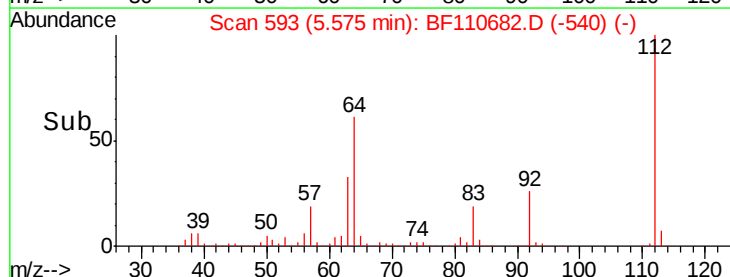


#5  
 2-Fluorophenol  
 Concen: 102.375 ng  
 RT: 5.57 min Scan# 593  
 Delta R.T. 0.01 min  
 Lab File: BF110682.D  
 Acq: 12 Nov 2018 18:49

Tgt Ion:112 Resp: 495144  
 Ion Ratio Lower Upper  
 112 100  
 64 61.1 44.1 66.1  
 63 32.7 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: 91.352 ng

RT: 6.57 min Scan# 762

Delta R.T. -0.01 min

Lab File: BF110682.D

Acq: 12 Nov 2018 18:49

Instrument :

BNA\_F

ClientSampleId :

SB-14

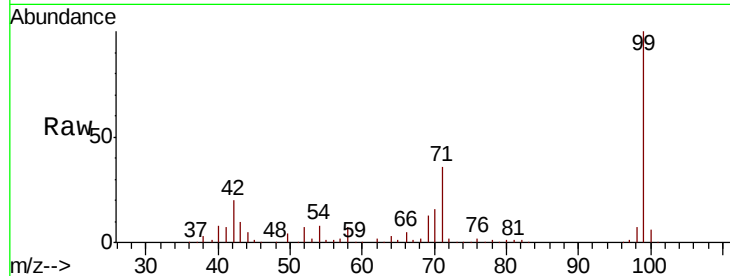
Tgt Ion: 99 Resp: 564994

Ion Ratio Lower Upper

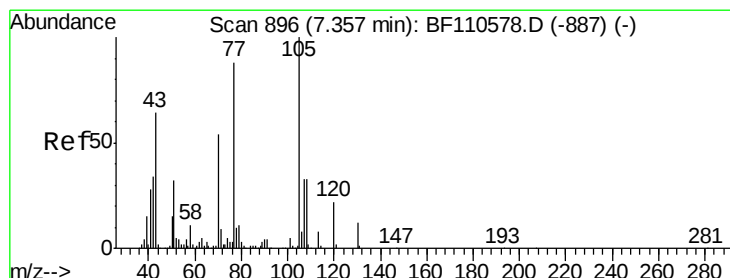
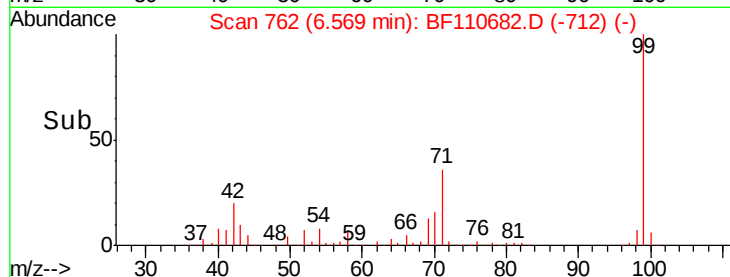
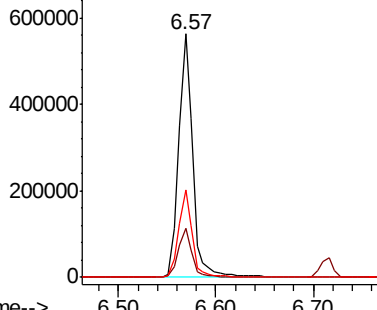
99 100

42 19.9 15.8 23.6

71 35.7 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.291 ng

RT: 7.51 min Scan# 922

Delta R.T. 0.15 min

Lab File: BF110682.D

Acq: 12 Nov 2018 18:49

Tgt Ion: 70 Resp: 60369

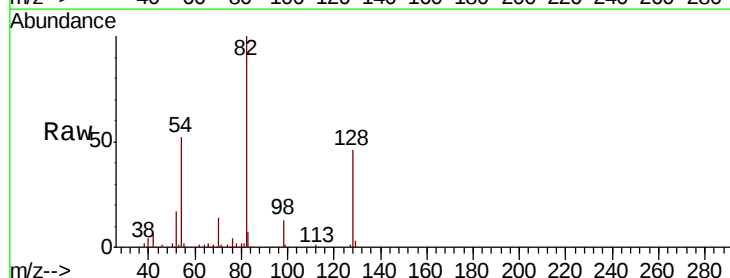
Ion Ratio Lower Upper

70 100

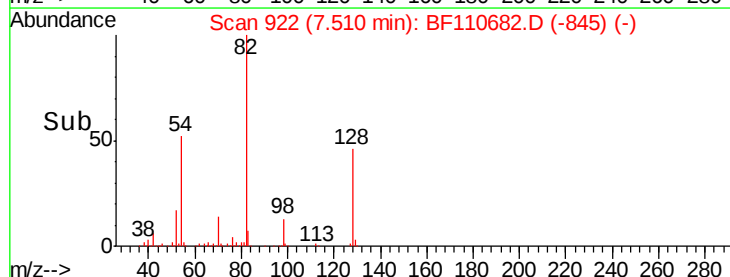
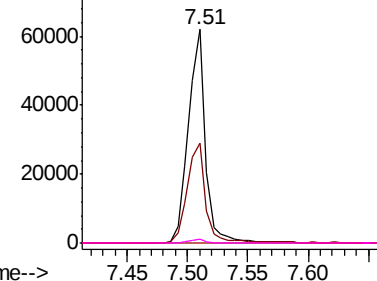
42 47.0 47.4 71.2#

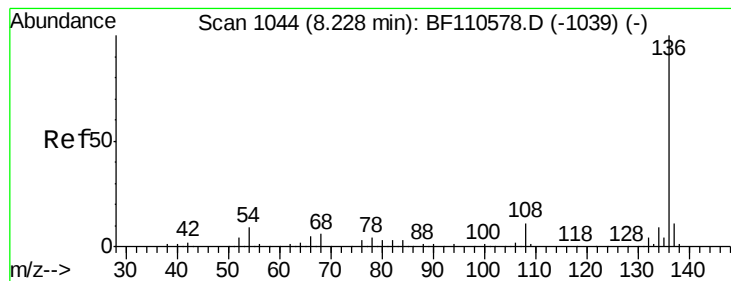
101 0.0 7.3 10.9#

130 1.9 16.2 24.2#



Abundance Ion 70.00 (69.70 to 70.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 101.00 (100.70 to 101.70): BF1  
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF110682.D

Acq: 12 Nov 2018 18:49

Instrument :

BNA\_F

ClientSampleId :

SB-14

Tgt Ion: 136 Resp: 325691

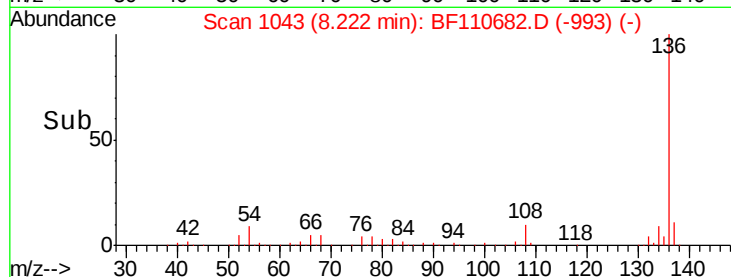
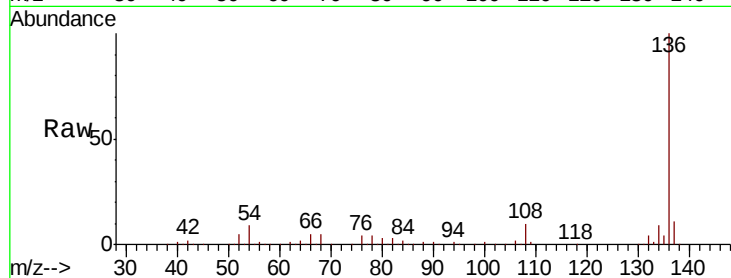
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 8.6 5.4 8.2#

68 5.1 4.2 6.2

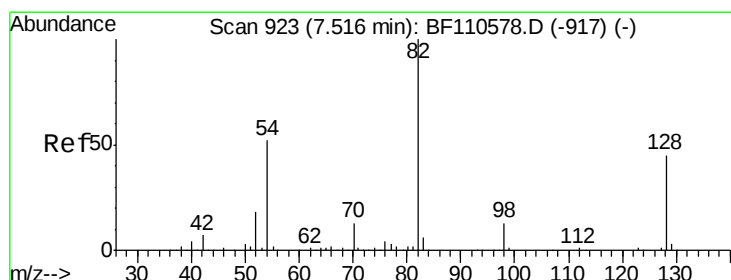
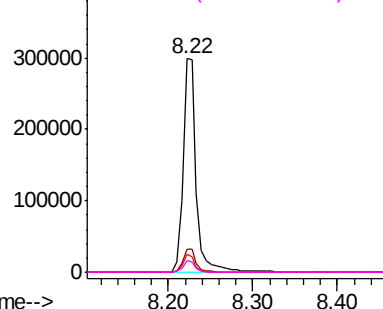


Abundance Ion 136.00 (135.70 to 136.70): E

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: 80.463 ng

RT: 7.51 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF110682.D

Acq: 12 Nov 2018 18:49

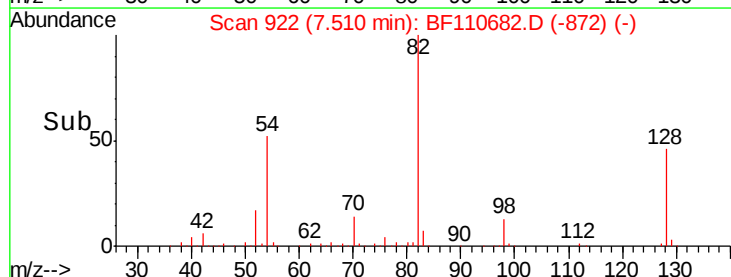
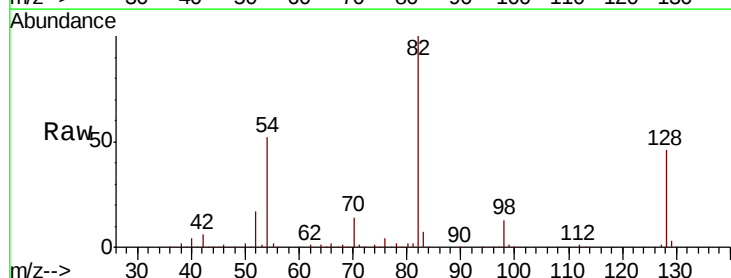
Tgt Ion: 82 Resp: 455051

Ion Ratio Lower Upper

82 100

128 45.8 34.2 51.2

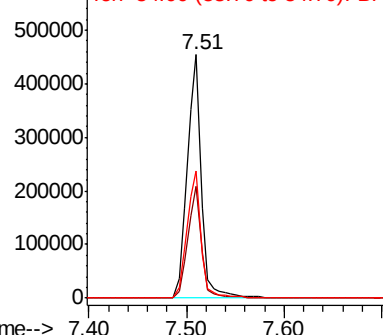
54 52.0 38.6 58.0

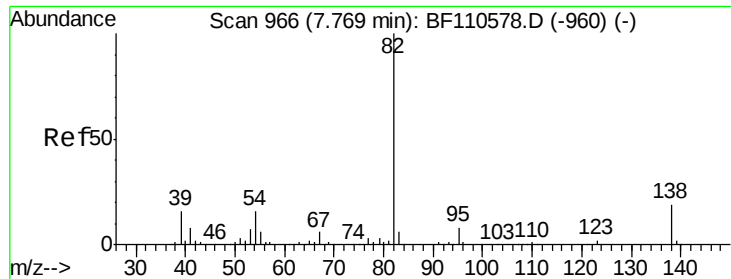


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

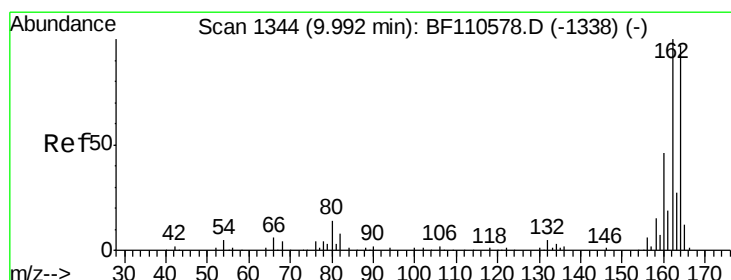
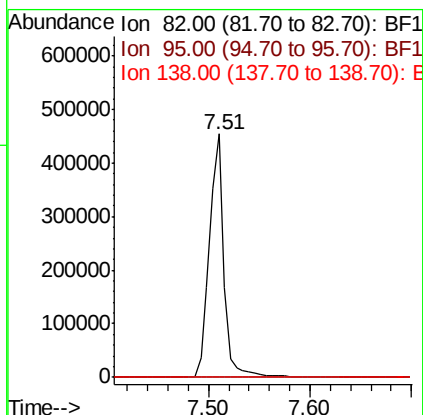
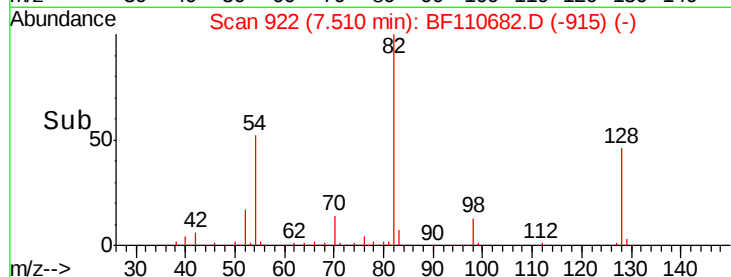
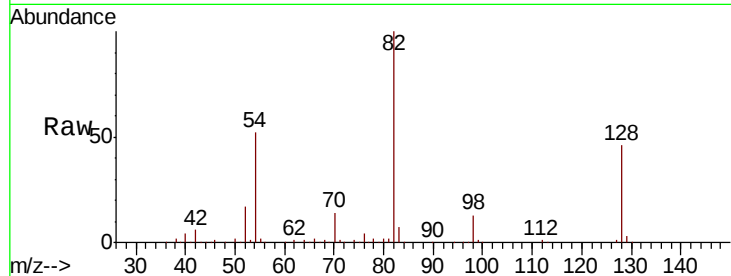




#25  
Isophorone  
Concen: 49.092 ng  
RT: 7.51 min Scan# 922  
Delta R.T. -0.26 min  
Lab File: BF110682.D  
Acq: 12 Nov 2018 18:49

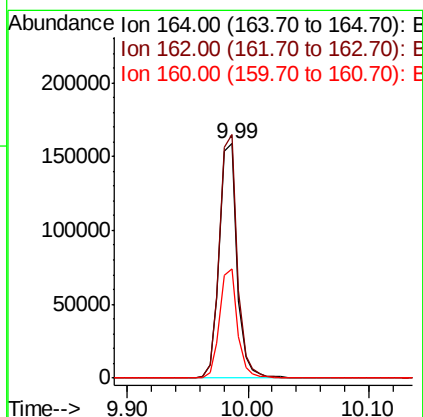
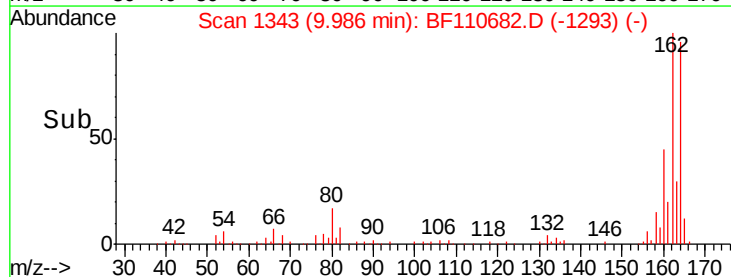
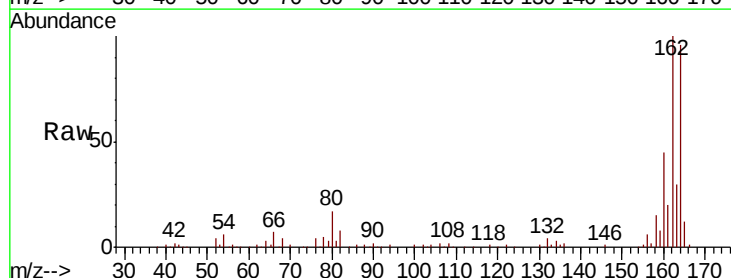
Instrument :  
BNA\_F  
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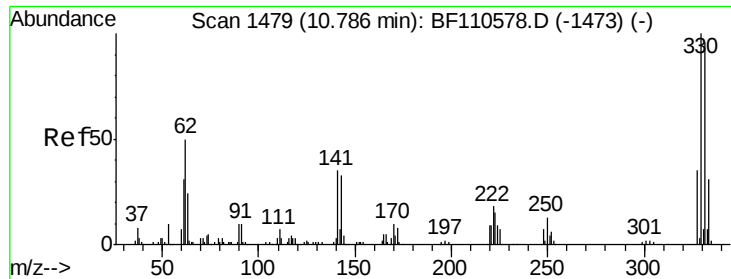
Tgt Ion: 82 Resp: 455047  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.7 8.5#  
138 0.0 13.2 19.8#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.99 min Scan# 1343  
Delta R.T. -0.01 min  
Lab File: BF110682.D  
Acq: 12 Nov 2018 18:49

Tgt Ion: 164 Resp: 161095  
Ion Ratio Lower Upper  
164 100  
162 103.8 83.0 124.6  
160 46.5 37.0 55.6

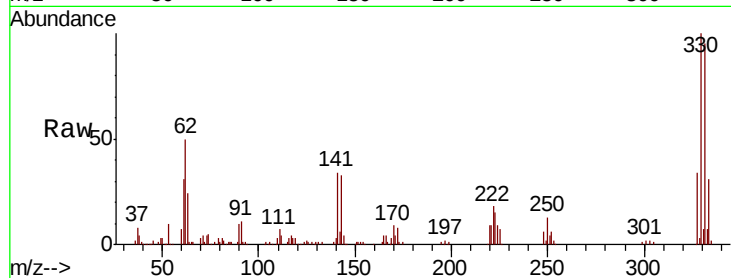




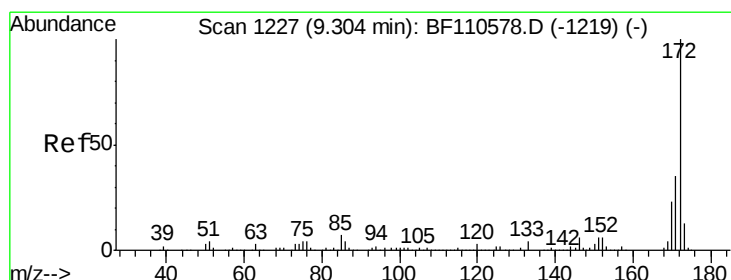
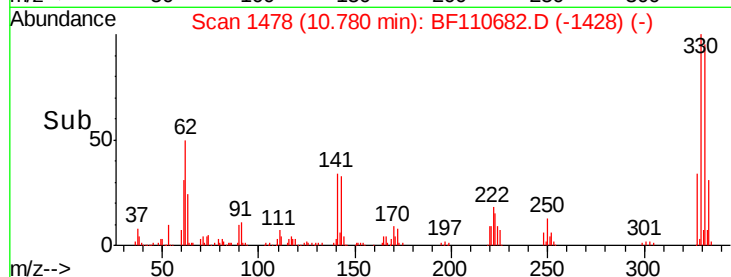
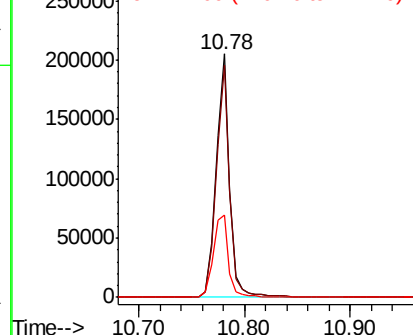
#42  
 2,4,6-Tribromophenol  
 Concen: 114.321 ng  
 RT: 10.78 min Scan# 1478  
 Delta R.T. -0.01 min  
 Lab File: BF110682.D  
 Acq: 12 Nov 2018 18:49

Instrument :  
 BNA\_F  
 ClientSampled :  
 SB-14

Tgt Ion:330 Resp: 185569  
 Ion Ratio Lower Upper  
 330 100  
 332 95.5 77.1 115.7  
 141 37.7 27.0 40.4

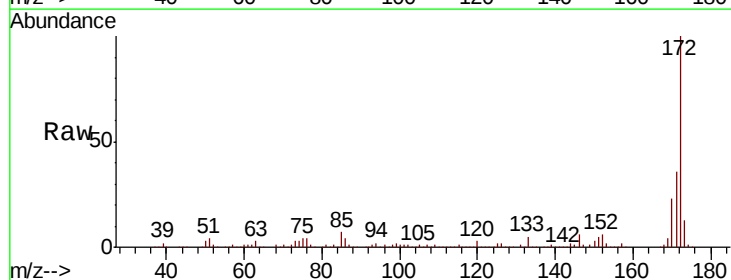


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

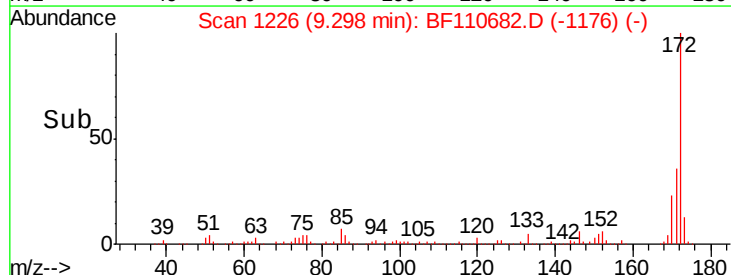
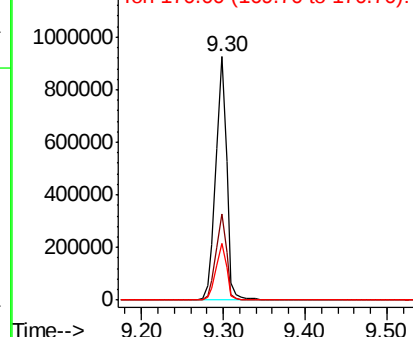


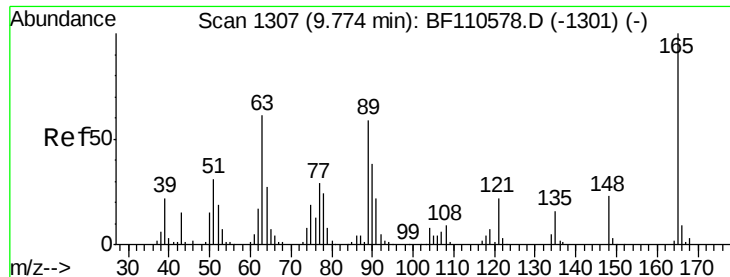
#45  
 2-Fluorobiphenyl  
 Concen: 76.405 ng  
 RT: 9.30 min Scan# 1226  
 Delta R.T. -0.01 min  
 Lab File: BF110682.D  
 Acq: 12 Nov 2018 18:49

Tgt Ion:172 Resp: 861829  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 28.6 43.0  
 170 23.2 19.7 29.5



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

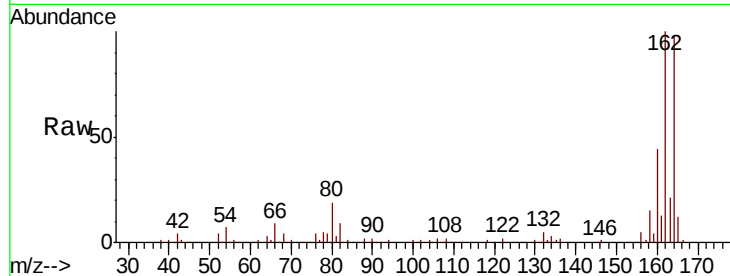




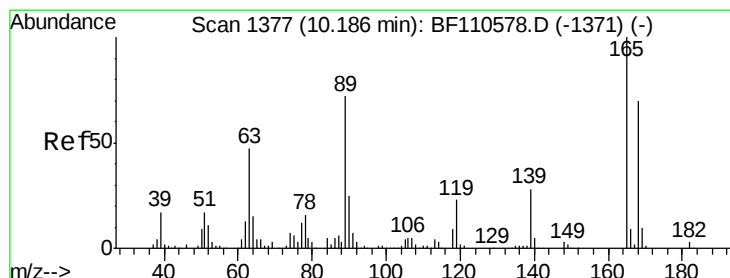
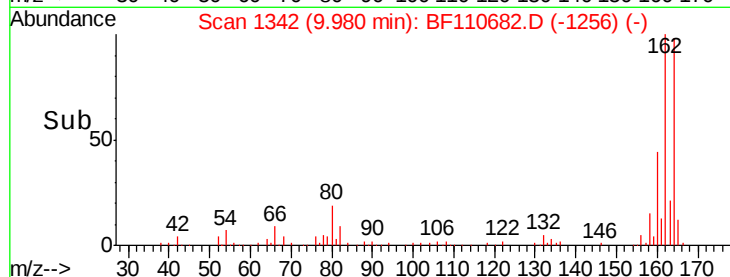
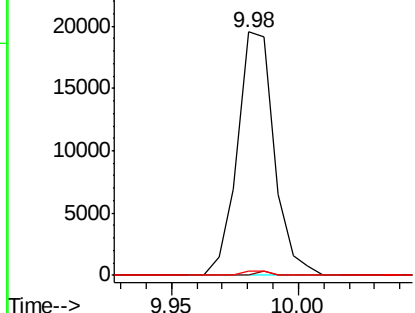
#51  
 2,6-Dinitrotoluene  
 Concen: 7.473 ng  
 RT: 9.98 min Scan# 1342  
 Delta R.T. 0.21 min  
 Lab File: BF110682.D  
 Acq: 12 Nov 2018 18:49

Instrument :  
 BNA\_F  
 ClientSampled :  
 SB-14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 48.9  | 73.3# |
| 89      | 1.8   | 46.6  | 69.8# |



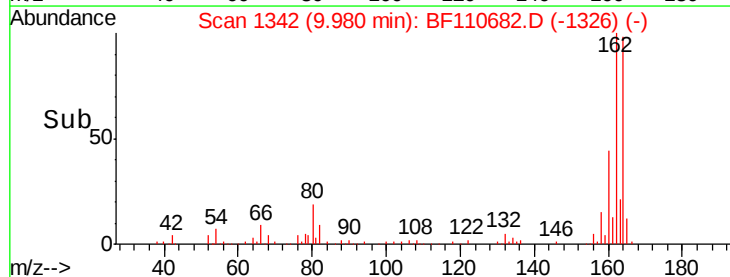
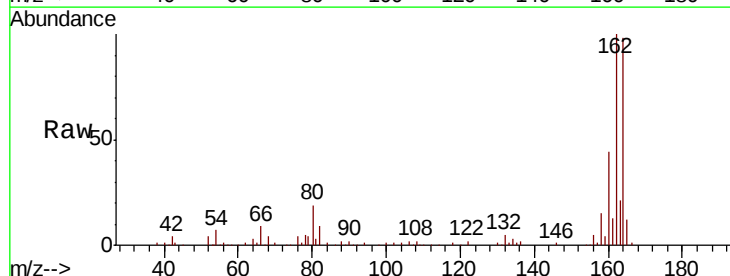
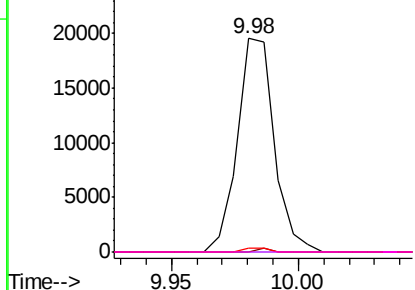
Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1

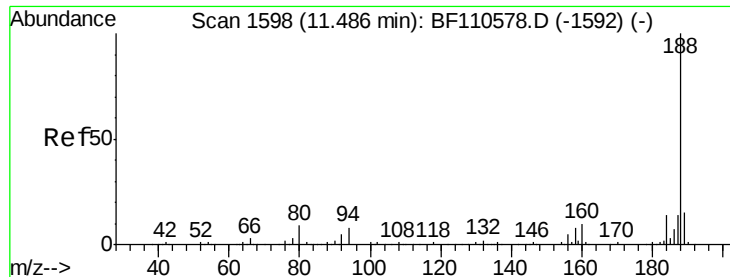


#57  
 2,4-Dinitrotoluene  
 Concen: 5.747 ng  
 RT: 9.98 min Scan# 1342  
 Delta R.T. -0.21 min  
 Lab File: BF110682.D  
 Acq: 12 Nov 2018 18:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 44.8  | 67.2# |
| 89      | 1.8   | 62.2  | 93.4# |
| 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): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E

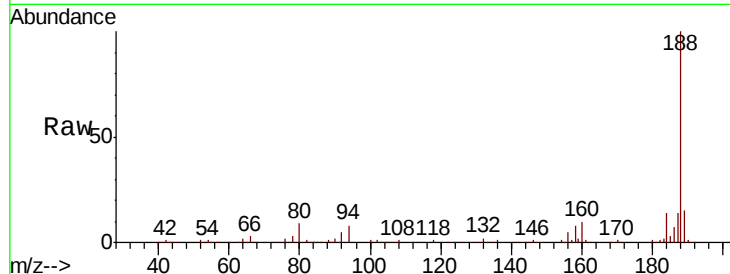




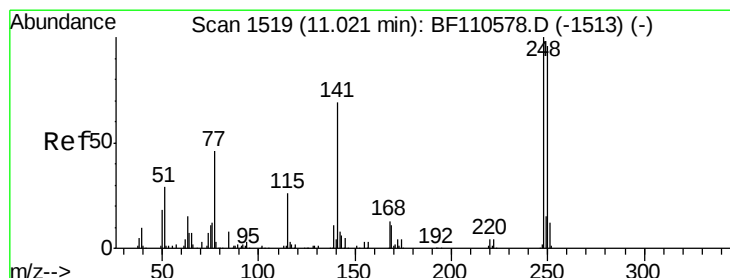
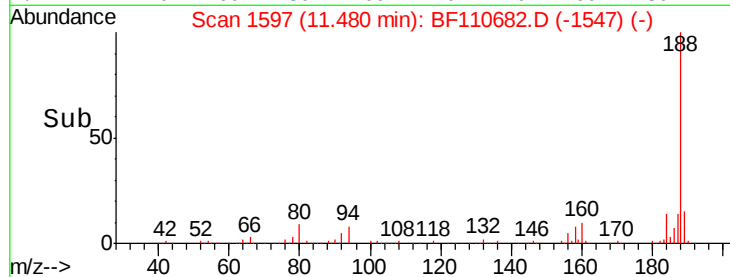
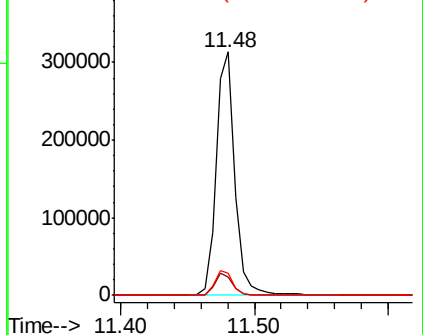
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.48 min Scan# 1597  
 Delta R.T. -0.01 min  
 Lab File: BF110682.D  
 Acq: 12 Nov 2018 18:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-14

Tgt Ion:188 Resp: 307802  
 Ion Ratio Lower Upper  
 188 100  
 94 7.8 7.2 10.8  
 80 9.1 7.9 11.9

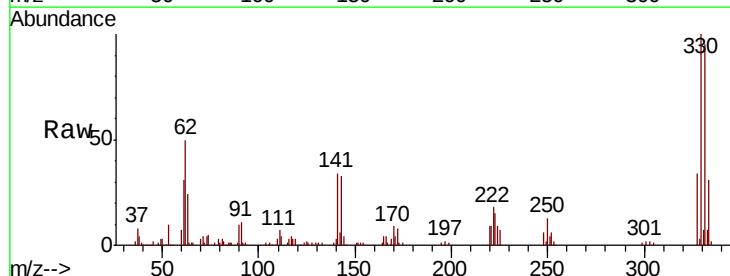


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF1  
 Ion 80.00 (79.70 to 80.70): BF1

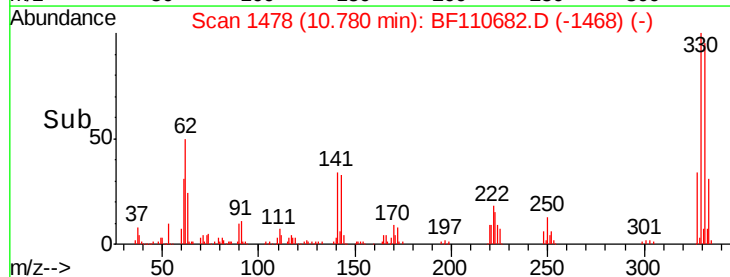
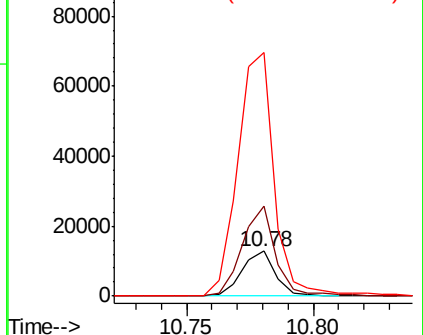


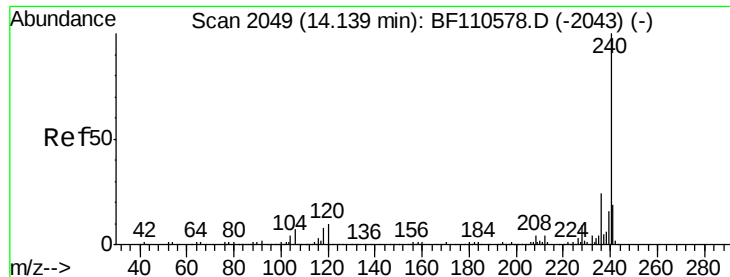
#67  
 4-Bromophenyl-phenylether  
 Concen: 3.426 ng  
 RT: 10.78 min Scan# 1478  
 Delta R.T. -0.24 min  
 Lab File: BF110682.D  
 Acq: 12 Nov 2018 18:49

Tgt Ion:248 Resp: 11656  
 Ion Ratio Lower Upper  
 248 100  
 250 200.0 79.4 119.2#  
 141 542.5 55.9 83.9#



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

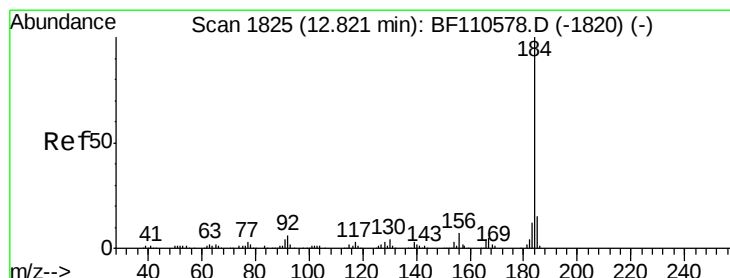
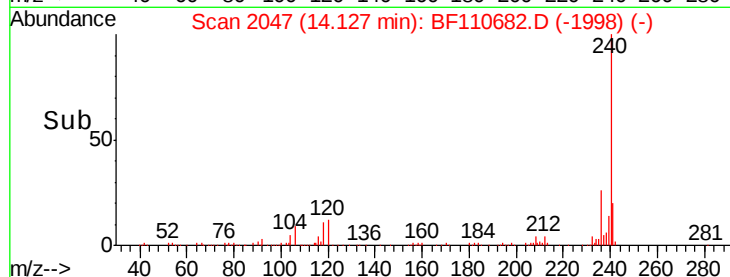
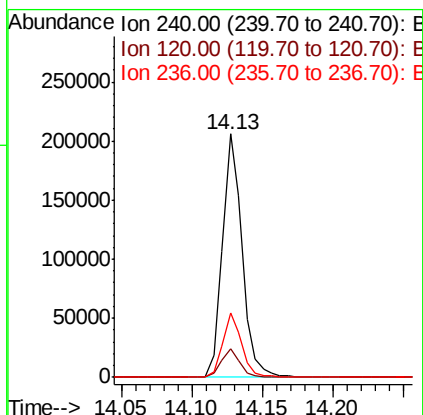
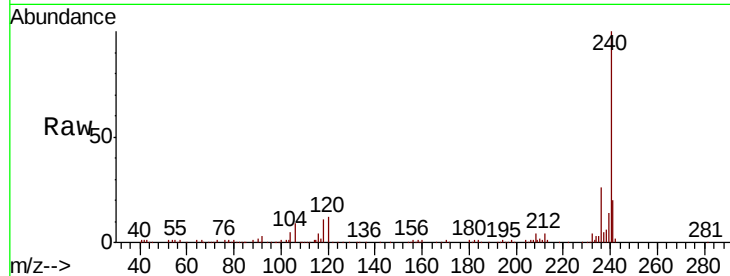




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.13 min Scan# 2047  
Delta R.T. -0.01 min  
Lab File: BF110682.D  
Acq: 12 Nov 2018 18:49

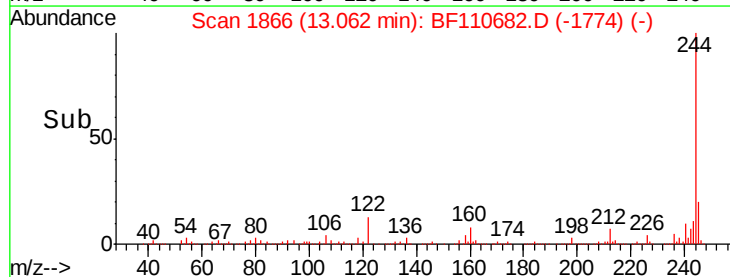
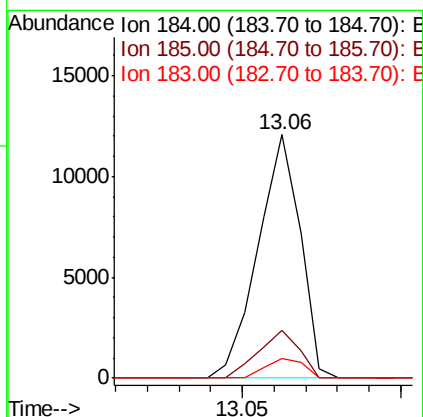
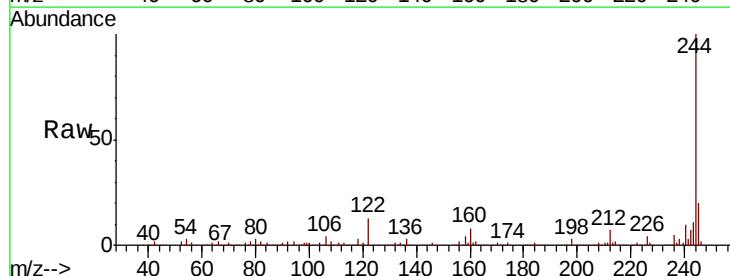
Instrument :  
BNA\_F  
ClientSampled :  
SB-14

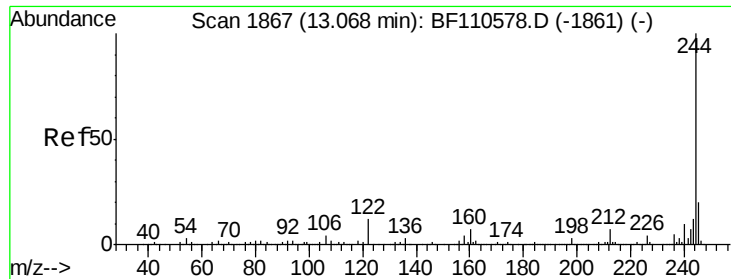
Tgt Ion:240 Resp: 199803  
Ion Ratio Lower Upper  
240 100  
120 11.6 8.3 12.5  
236 26.5 21.2 31.8



#77  
Benzidine  
Concen: 2.035 ng  
RT: 13.06 min Scan# 1866  
Delta R.T. 0.24 min  
Lab File: BF110682.D  
Acq: 12 Nov 2018 18:49

Tgt Ion:184 Resp: 11179  
Ion Ratio Lower Upper  
184 100  
185 19.6 13.4 20.2  
183 7.9 9.4 14.2#





#79

Terphenyl-d14

Concen: 78.702 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110682.D

Acq: 12 Nov 2018 18:49

Instrument :

BNA\_F

ClientSampleId :

SB-14

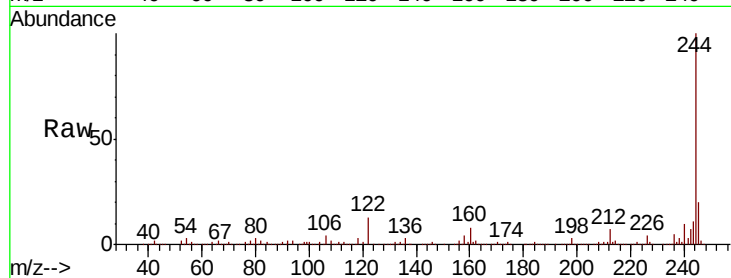
Tgt Ion:244 Resp: 839665

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

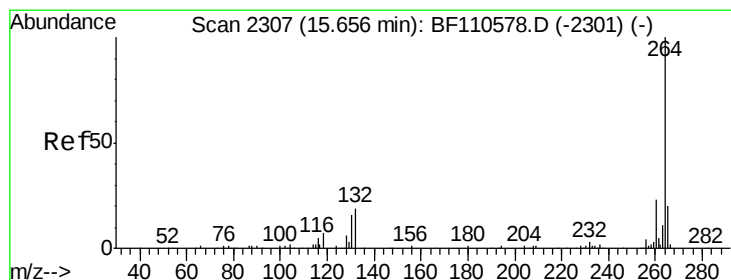
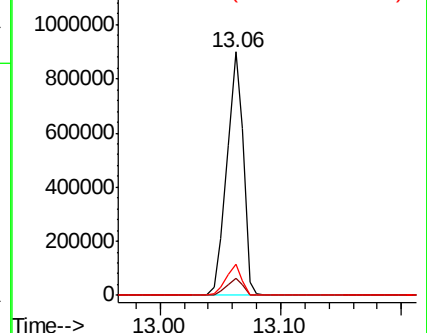
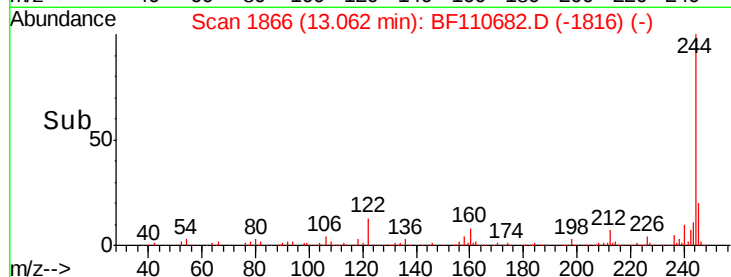
122 13.0 8.7 13.1



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.66 min Scan# 2307

Delta R.T. -0.00 min

Lab File: BF110682.D

Acq: 12 Nov 2018 18:49

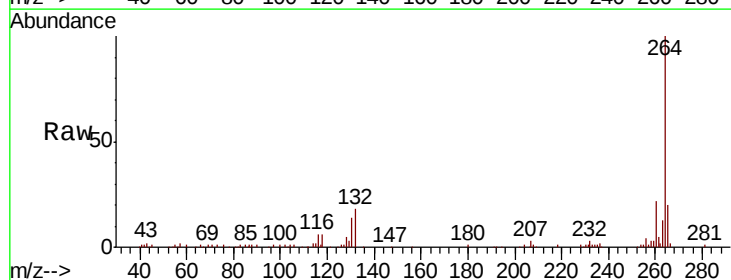
Tgt Ion:264 Resp: 148828

Ion Ratio Lower Upper

264 100

260 22.3 18.7 28.1

265 20.4 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

