

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF061319\  
 Data File : BF115007.D  
 Acq On : 13 Jun 2019 17:51  
 Operator : HP/JU  
 Sample : K3345-02  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 C-MW-7\_061119

Quant Time: Jun 14 03:47:53 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF061219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 12 15:42:37 2019  
 Response via : Initial Calibration

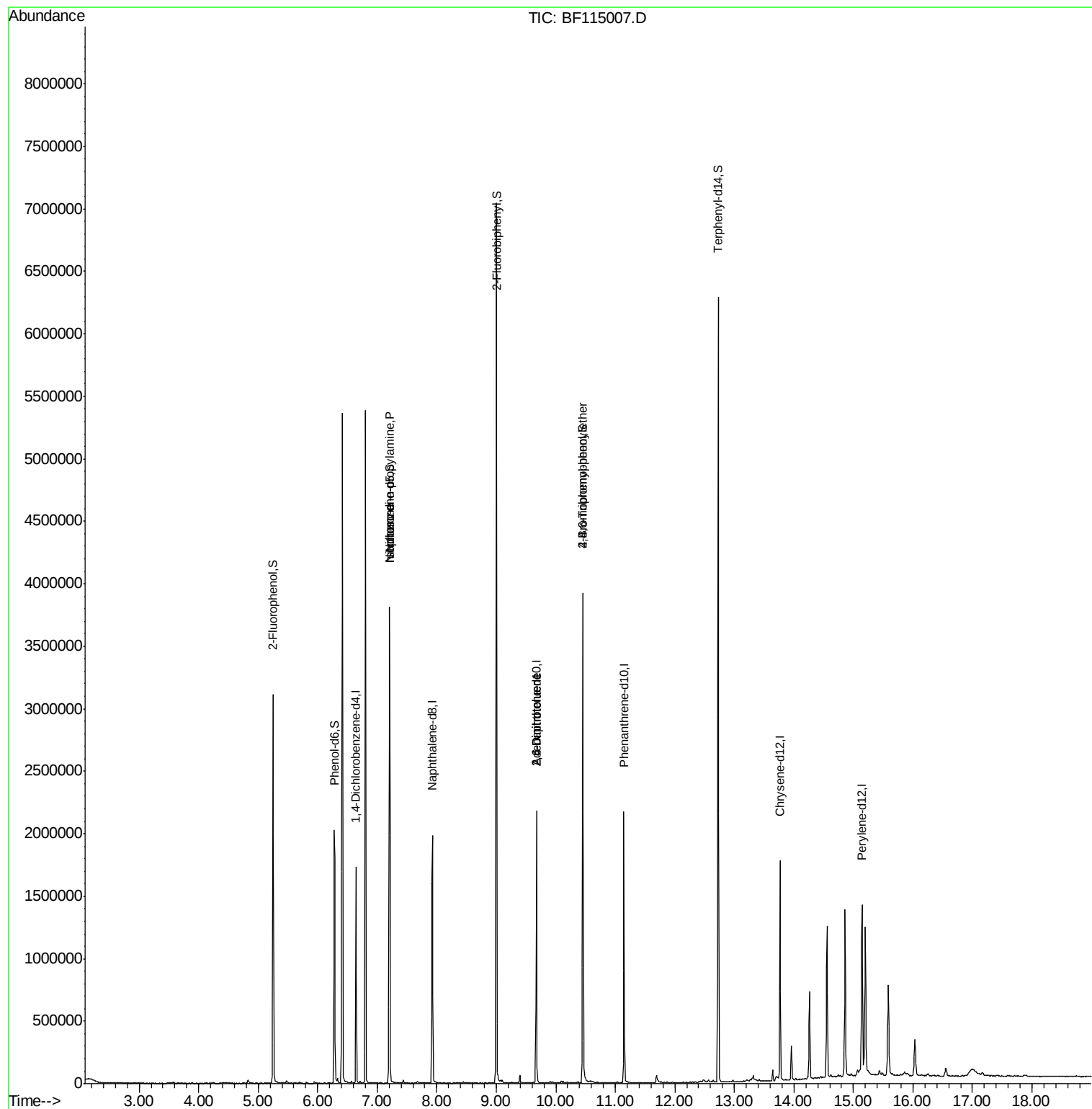
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.65  | 152  | 248222   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.93  | 136  | 942805   | 20.00     | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.67  | 164  | 444202   | 20.00     | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.15 | 188  | 800232   | 20.00     | ng    | -0.01    |
| 76) Chrysene-d12               | 13.77 | 240  | 541713   | 20.00     | ng    | -0.01    |
| 87) Perylene-d12               | 15.14 | 264  | 542376   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.25  | 112  | 912429   | 61.38     | ng    | 0.00     |
| 7) Phenol-d6                   | 6.28  | 99   | 733816   | 40.92     | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 7.21  | 82   | 1355508  | 86.54     | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.46 | 330  | 507850   | 106.76    | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 9.00  | 172  | 2474349  | 94.41     | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.73 | 244  | 2298815  | 79.82     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.28  | 77   | 1170     | Below Cal | #     | 1        |
| 19) n-Nitroso-di-n-propylamine | 7.21  | 70   | 179040   | 16.433 ng | #     | 77       |
| 25) Isophorone                 | 7.21  | 82   | 1330595  | 45.357 ng | #     | 62       |
| 51) 2,6-Dinitrotoluene         | 9.67  | 165  | 56674    | 7.479 ng  | #     | 37       |
| 57) 2,4-Dinitrotoluene         | 9.67  | 165  | 56674    | 5.876 ng  | #     | 29       |
| 58) Fluorene                   | 10.46 | 166  | 23603    | Below Cal | #     | 88       |
| 67) 4-Bromophenyl-phenylether  | 10.46 | 248  | 32666    | 3.802 ng  | #     | 1        |

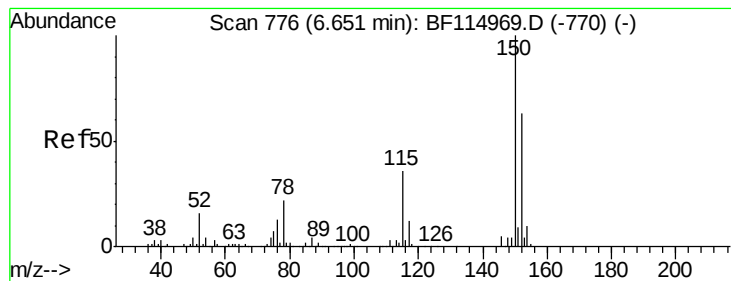
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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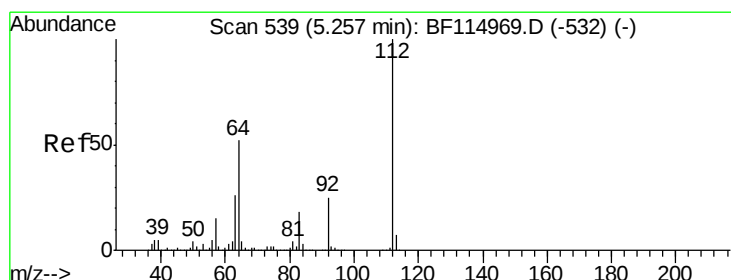
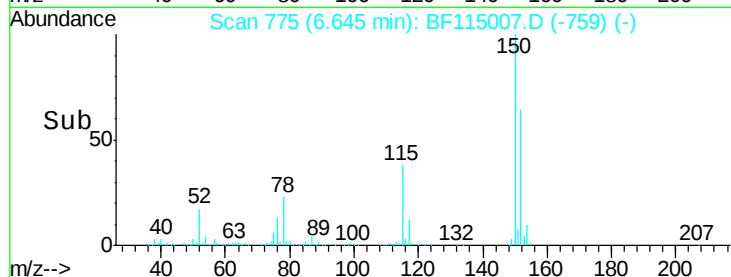
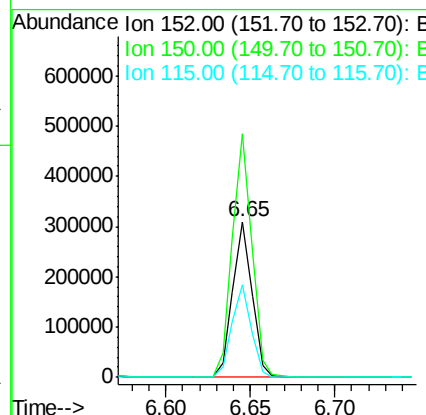
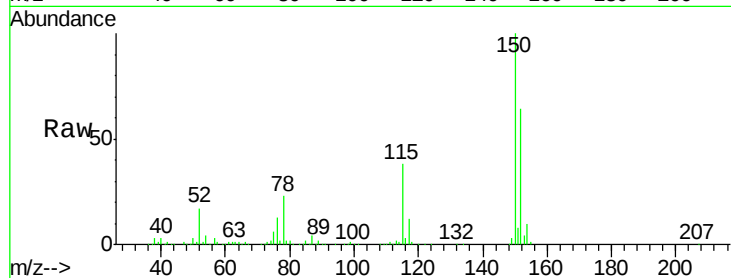




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.65 min Scan# 775  
 Delta R.T. -0.01 min  
 Lab File: BF115007.D  
 Acq: 13 Jun 2019 17:51

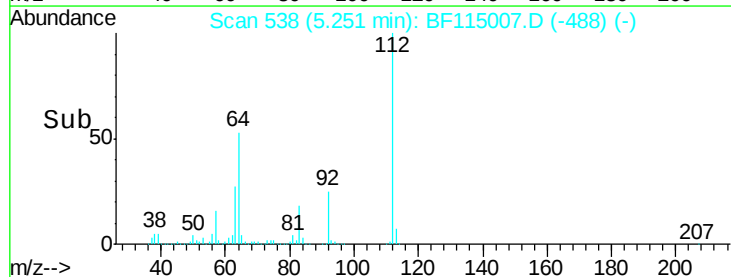
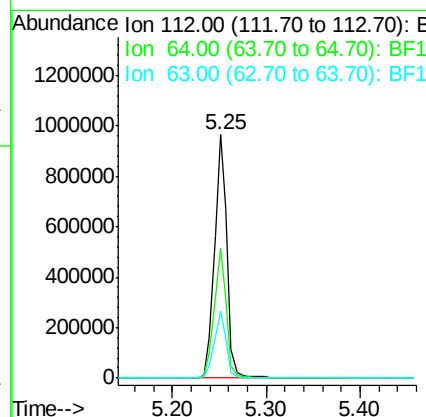
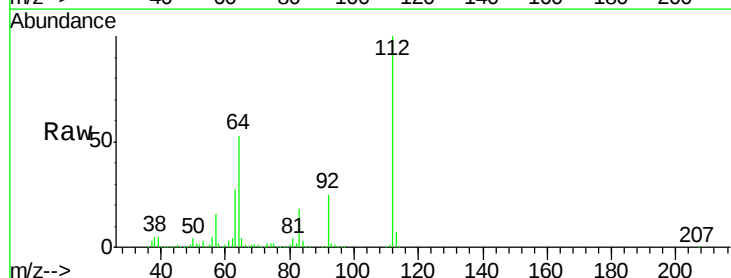
Instrument :  
 BNA\_F  
 ClientSampleId :  
 C-MW-7\_061119

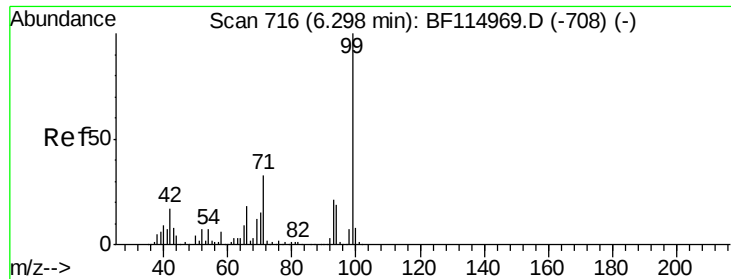
Tgt Ion:152 Resp: 248222  
 Ion Ratio Lower Upper  
 152 100  
 150 156.6 127.4 191.0  
 115 59.5 46.0 69.0



#5  
 2-Fluorophenol  
 Concen: 61.379 ng  
 RT: 5.25 min Scan# 538  
 Delta R.T. -0.01 min  
 Lab File: BF115007.D  
 Acq: 13 Jun 2019 17:51

Tgt Ion:112 Resp: 912429  
 Ion Ratio Lower Upper  
 112 100  
 64 53.2 41.6 62.4  
 63 27.3 20.9 31.3





#7

Phenol-d6

Concen: 40.922 ng

RT: 6.28 min Scan# 713

Delta R.T. -0.02 min

Lab File: BF115007.D

Acq: 13 Jun 2019 17:51

Instrument :

BNA\_F

ClientSampleId :

C-MW-7\_061119

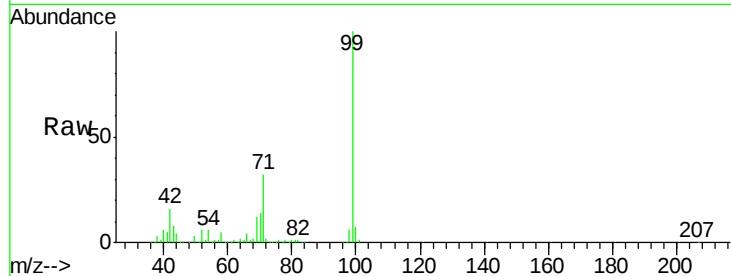
Tgt Ion: 99 Resp: 733816

Ion Ratio Lower Upper

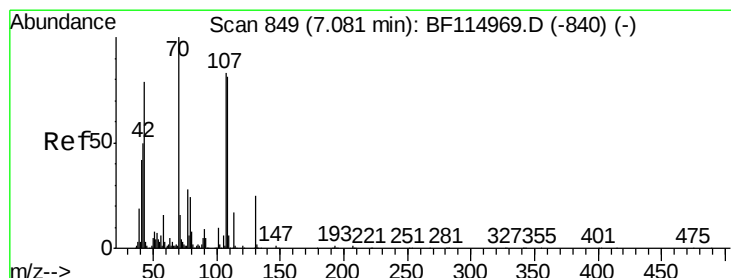
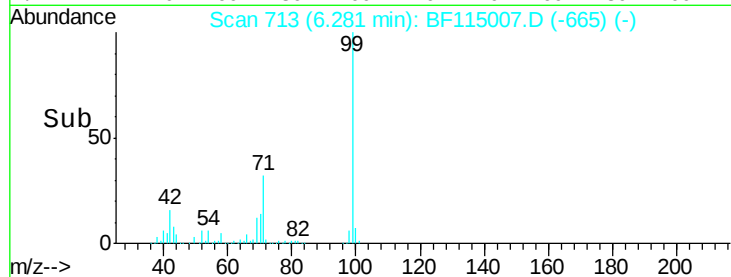
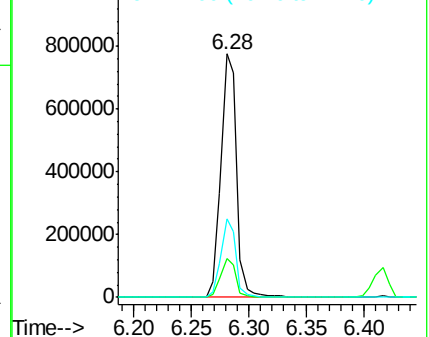
99 100

42 16.0 13.4 20.2

71 32.1 26.4 39.6



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: 16.433 ng

RT: 7.21 min Scan# 871

Delta R.T. 0.13 min

Lab File: BF115007.D

Acq: 13 Jun 2019 17:51

Tgt Ion: 70 Resp: 179040

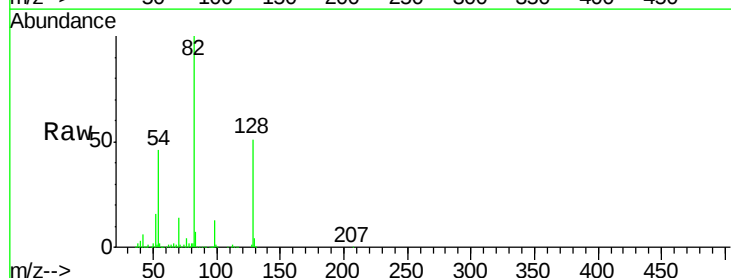
Ion Ratio Lower Upper

70 100

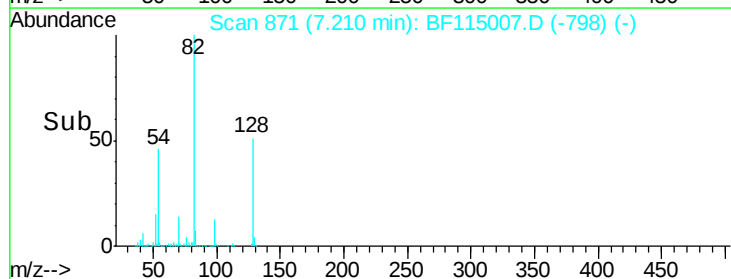
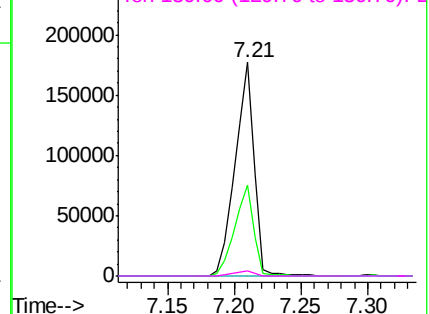
42 42.6 40.3 60.5

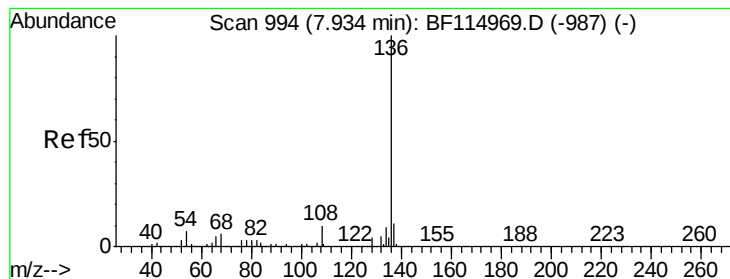
101 0.0 8.2 12.4#

130 2.4 20.3 30.5#



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: 7.93 min Scan# 993

Delta R.T. -0.01 min

Lab File: BF115007.D

Acq: 13 Jun 2019 17:51

Instrument :

BNA\_F

ClientSampleId :

C-MW-7\_061119

Tgt Ion: 136 Resp: 942805

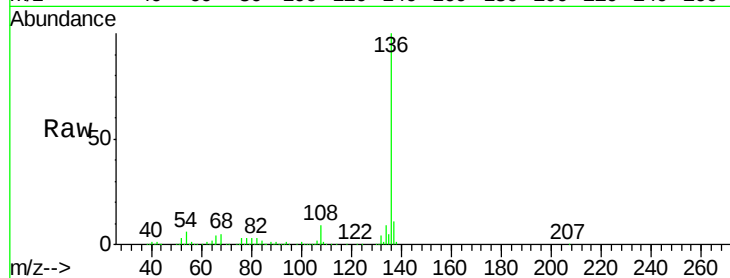
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 6.2 5.4 8.0

68 5.5 4.6 7.0

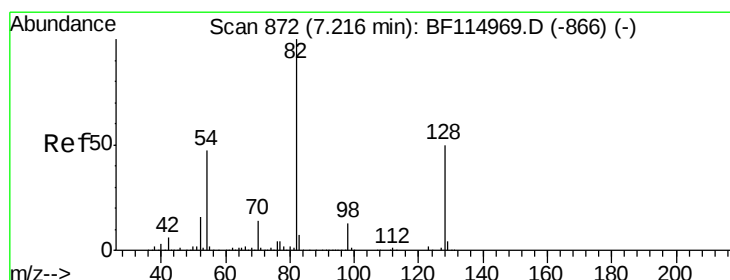
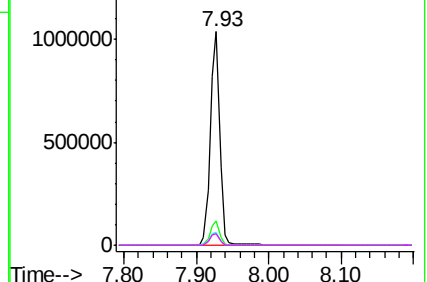
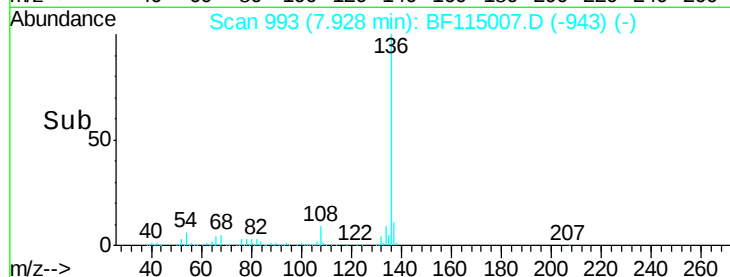


Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.541 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.01 min

Lab File: BF115007.D

Acq: 13 Jun 2019 17:51

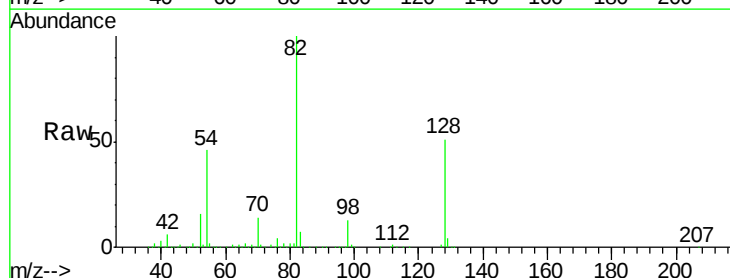
Tgt Ion: 82 Resp: 1355508

Ion Ratio Lower Upper

82 100

128 51.1 39.9 59.9

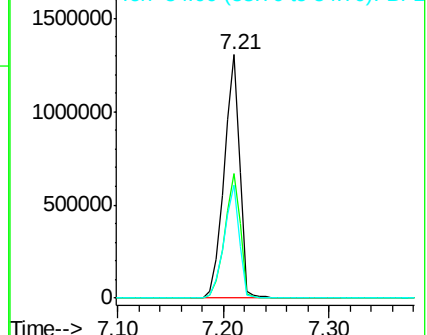
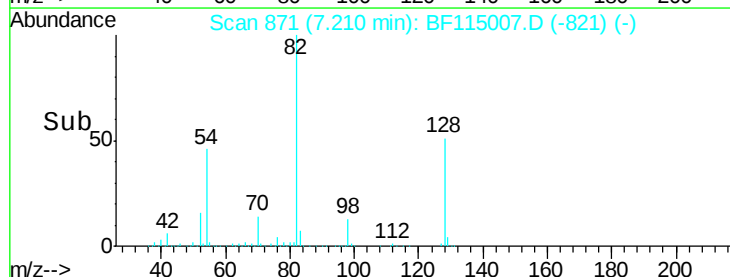
54 46.4 37.3 55.9

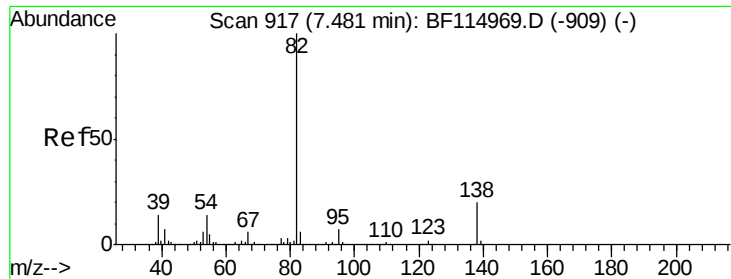


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 45.357 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.27 min

Lab File: BF115007.D

Acq: 13 Jun 2019 17:51

Instrument :

BNA\_F

ClientSampleId :

C-MW-7\_061119

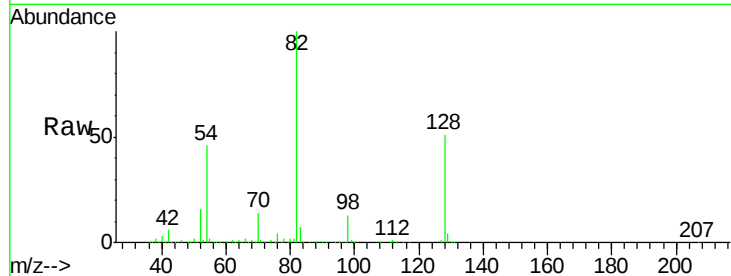
Tgt Ion: 82 Resp: 1330595

Ion Ratio Lower Upper

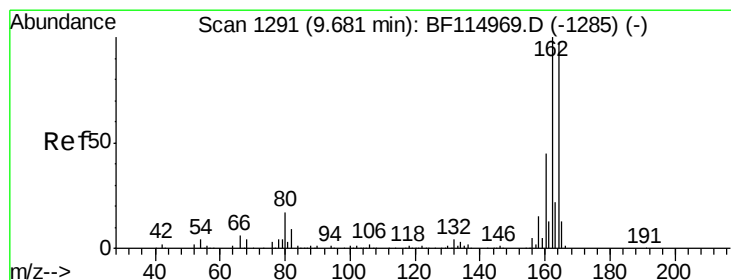
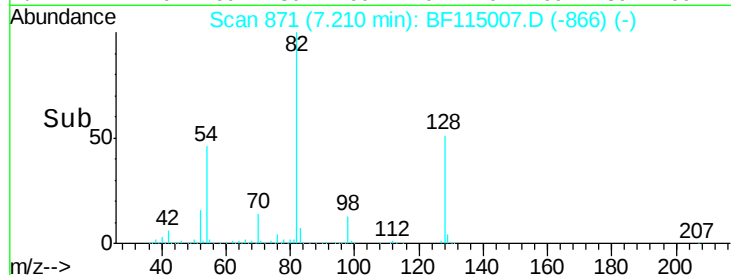
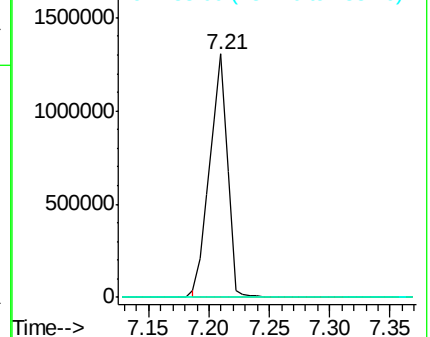
82 100

95 0.0 5.6 8.4#

138 0.0 16.1 24.1#



Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.67 min Scan# 1290

Delta R.T. -0.01 min

Lab File: BF115007.D

Acq: 13 Jun 2019 17:51

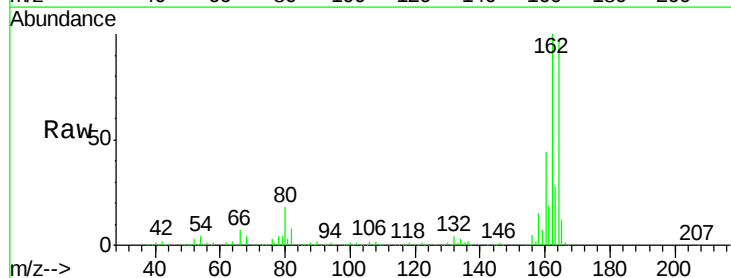
Tgt Ion: 164 Resp: 444202

Ion Ratio Lower Upper

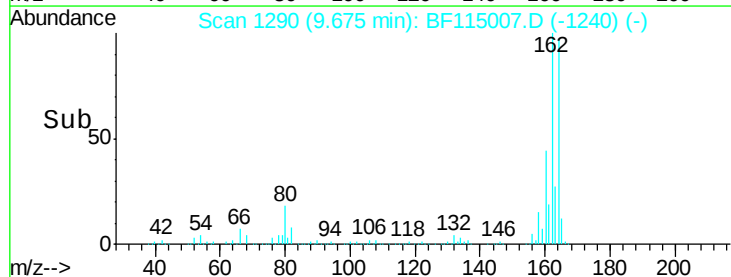
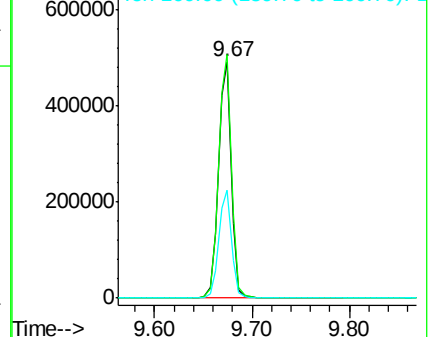
164 100

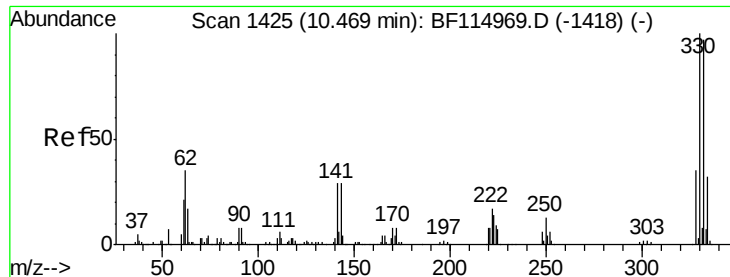
162 103.0 82.6 124.0

160 45.6 36.9 55.3



Abundance Ion 164.00 (163.70 to 164.70): BF1  
Ion 162.00 (161.70 to 162.70): BF1  
Ion 160.00 (159.70 to 160.70): BF1

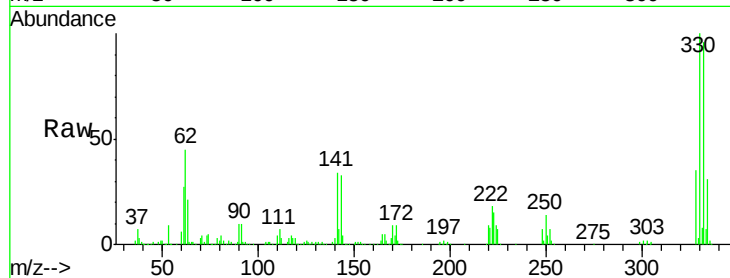




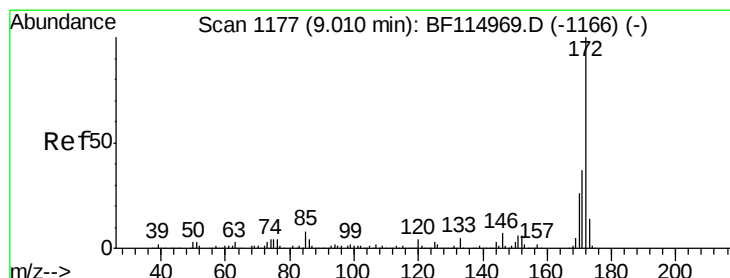
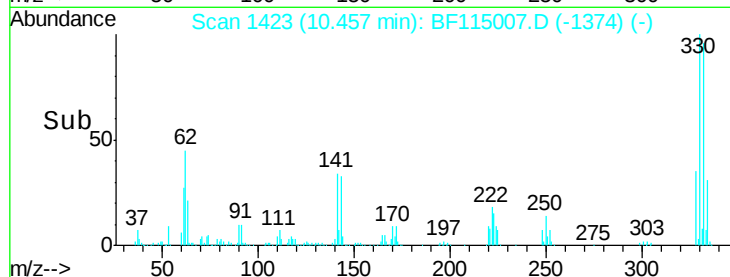
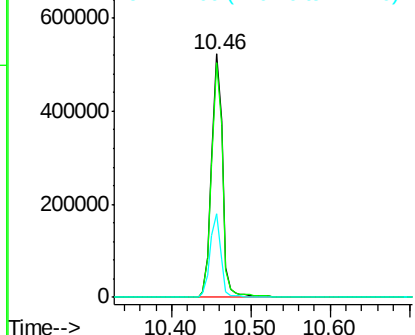
#42  
 2,4,6-Tribromophenol  
 Concen: 106.763 ng  
 RT: 10.46 min Scan# 1423  
 Delta R.T. -0.01 min  
 Lab File: BF115007.D  
 Acq: 13 Jun 2019 17:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 C-MW-7\_061119

Tgt Ion:330 Resp: 507850  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 77.6 116.4  
 141 33.4 27.2 40.8

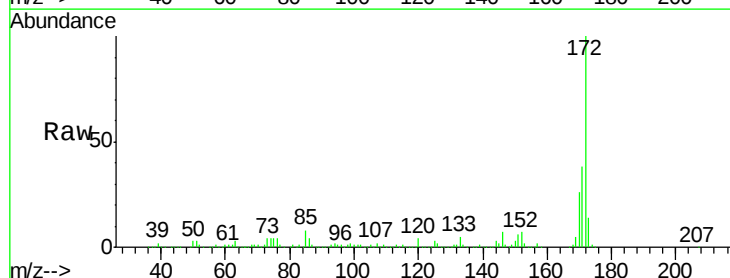


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

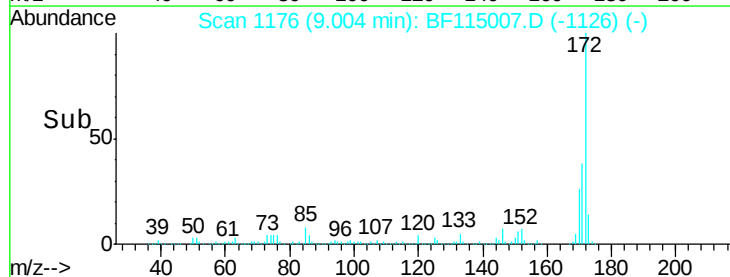
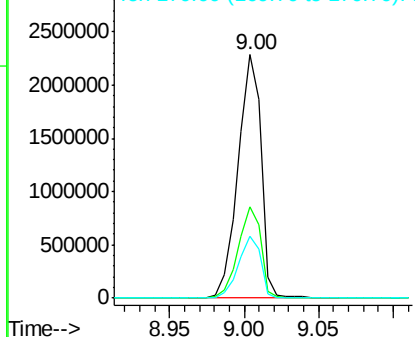


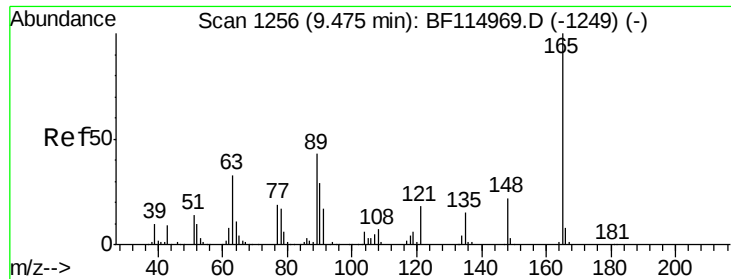
#45  
 2-Fluorobiphenyl  
 Concen: 94.408 ng  
 RT: 9.00 min Scan# 1176  
 Delta R.T. -0.01 min  
 Lab File: BF115007.D  
 Acq: 13 Jun 2019 17:51

Tgt Ion:172 Resp: 2474349  
 Ion Ratio Lower Upper  
 172 100  
 171 37.6 29.8 44.6  
 170 25.5 20.6 31.0



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

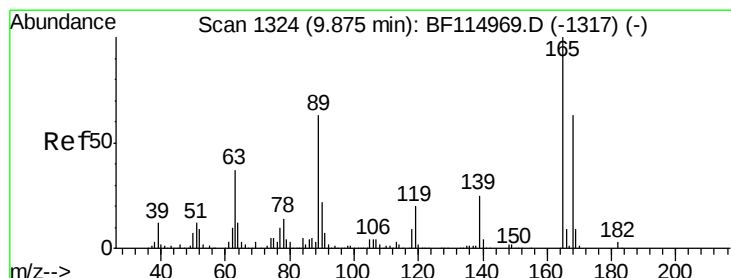
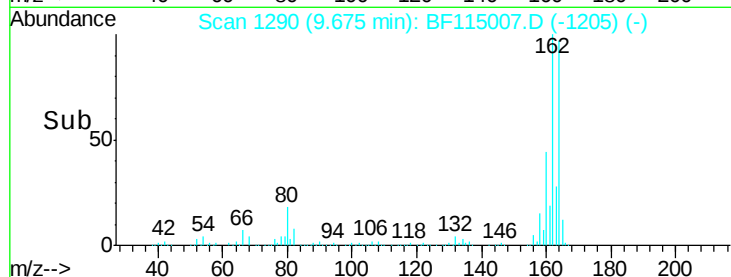
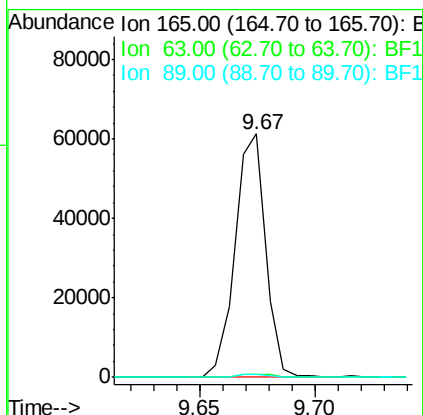
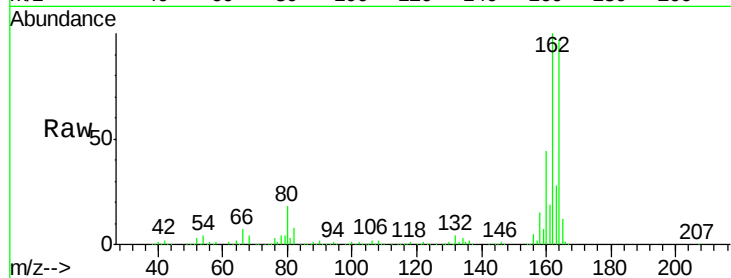




#51  
 2,6-Dinitrotoluene  
 Concen: 7.479 ng  
 RT: 9.67 min Scan# 1290  
 Delta R.T. 0.20 min  
 Lab File: BF115007.D  
 Acq: 13 Jun 2019 17:51

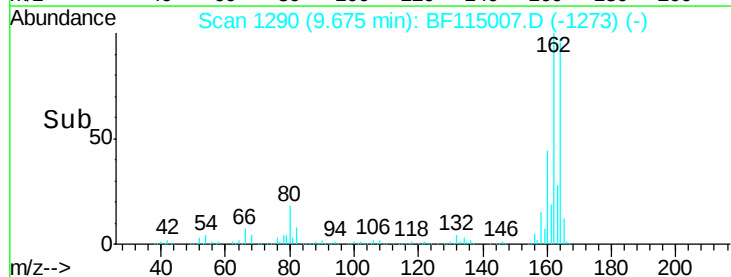
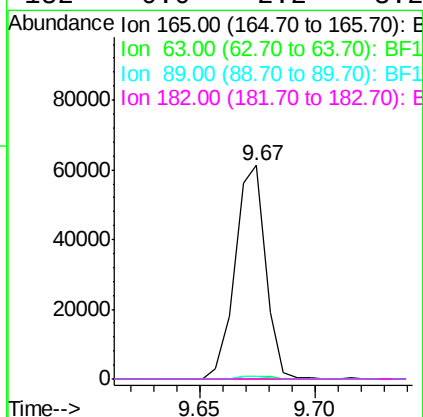
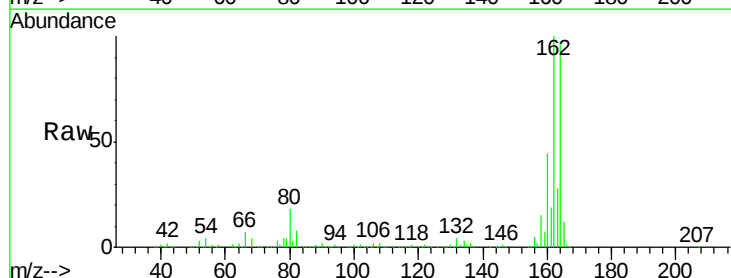
Instrument :  
 BNA\_F  
 ClientSampleId :  
 C-MW-7\_061119

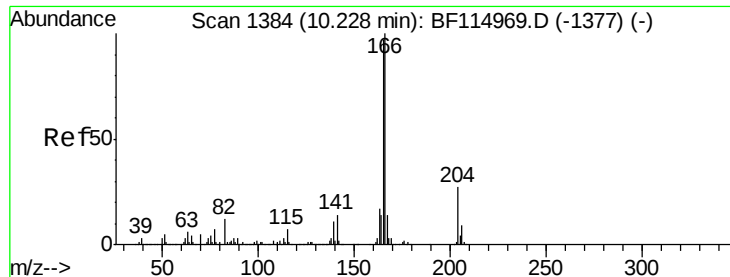
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.1   | 30.6  | 46.0# |
| 89      | 1.4   | 34.4  | 51.6# |



#57  
 2,4-Dinitrotoluene  
 Concen: 5.876 ng  
 RT: 9.67 min Scan# 1290  
 Delta R.T. -0.20 min  
 Lab File: BF115007.D  
 Acq: 13 Jun 2019 17:51

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.1   | 29.4  | 44.2# |
| 89      | 1.4   | 50.6  | 75.8# |
| 182     | 0.0   | 2.2   | 3.2#  |





#58

Fluorene

Concen: Below Cal

RT: 10.46 min Scan# 1423

Delta R.T. 0.23 min

Lab File: BF115007.D

Acq: 13 Jun 2019 17:51

Instrument :

BNA\_F

ClientSampleId :

C-MW-7\_061119

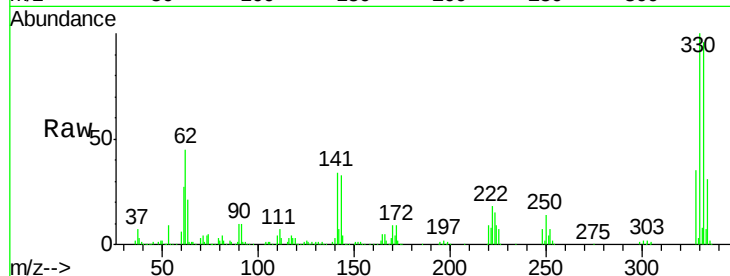
Tgt Ion:166 Resp: 23603

Ion Ratio Lower Upper

166 100

165 102.8 77.6 116.4

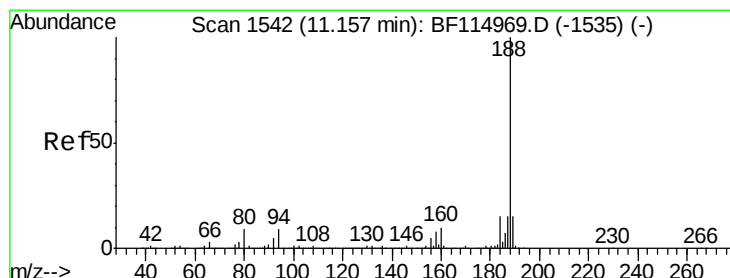
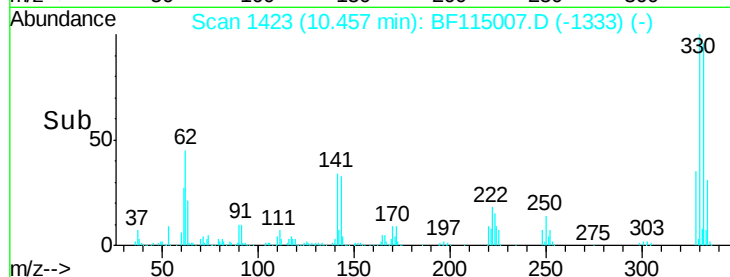
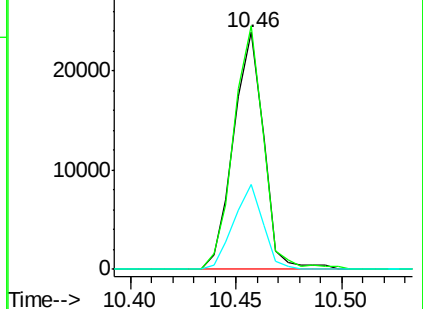
167 35.8 11.0 16.4#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.15 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BF115007.D

Acq: 13 Jun 2019 17:51

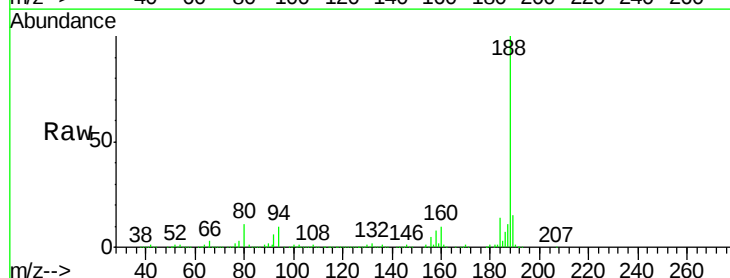
Tgt Ion:188 Resp: 800232

Ion Ratio Lower Upper

188 100

94 10.3 7.2 10.8

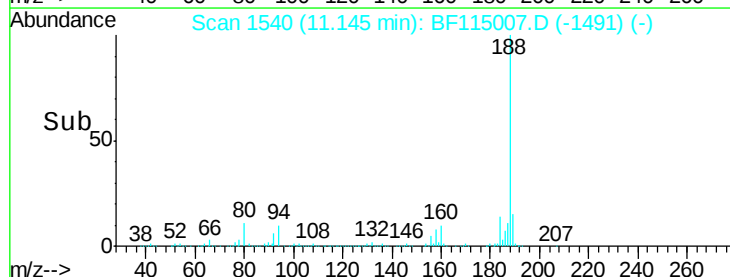
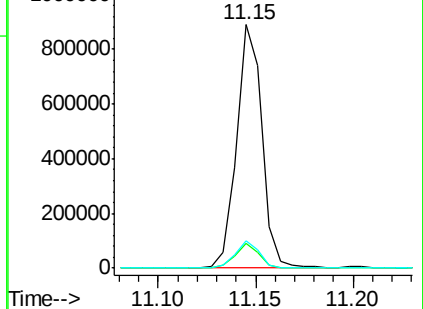
80 11.0 7.4 11.2

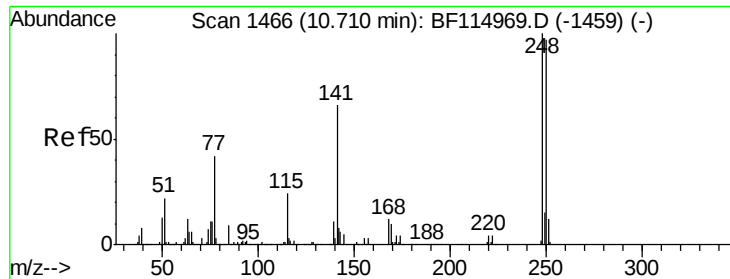


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

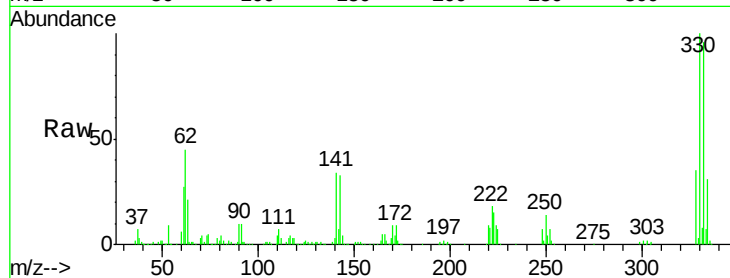




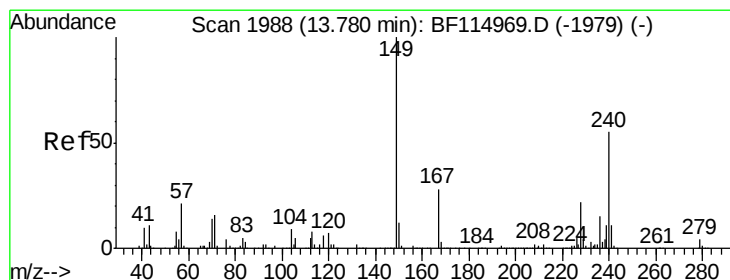
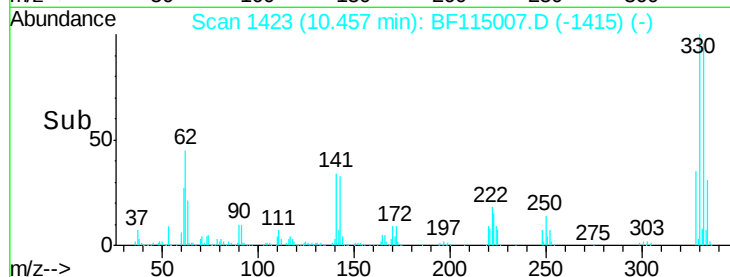
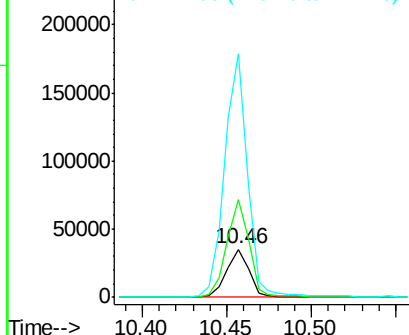
#67  
 4-Bromophenyl-phenylether  
 Concen: 3.802 ng  
 RT: 10.46 min Scan# 1423  
 Delta R.T. -0.25 min  
 Lab File: BF115007.D  
 Acq: 13 Jun 2019 17:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 C-MW-7\_061119

Tgt Ion:248 Resp: 32666  
 Ion Ratio Lower Upper  
 248 100  
 250 204.0 77.8 116.8#  
 141 509.2 53.1 79.7#

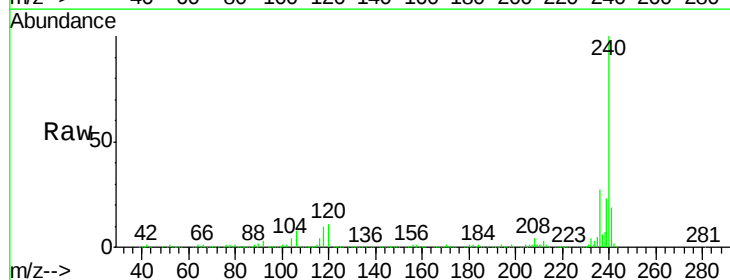


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

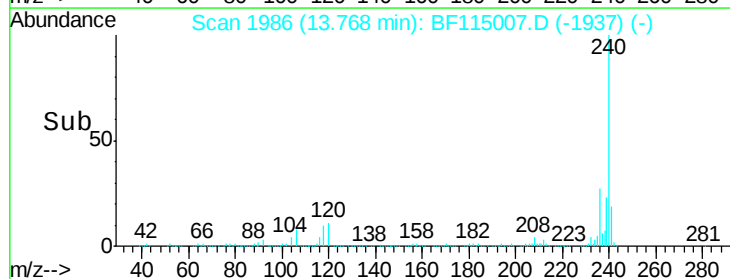
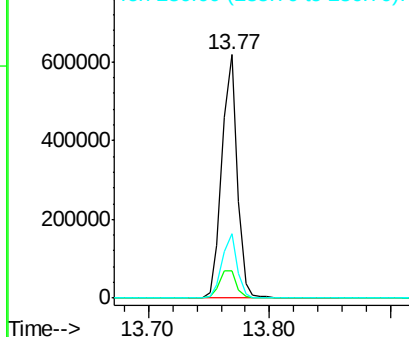


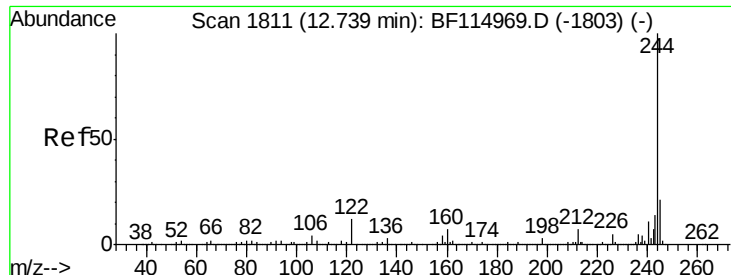
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.77 min Scan# 1986  
 Delta R.T. -0.01 min  
 Lab File: BF115007.D  
 Acq: 13 Jun 2019 17:51

Tgt Ion:240 Resp: 541713  
 Ion Ratio Lower Upper  
 240 100  
 120 11.3 10.0 15.0  
 236 26.6 21.6 32.4



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

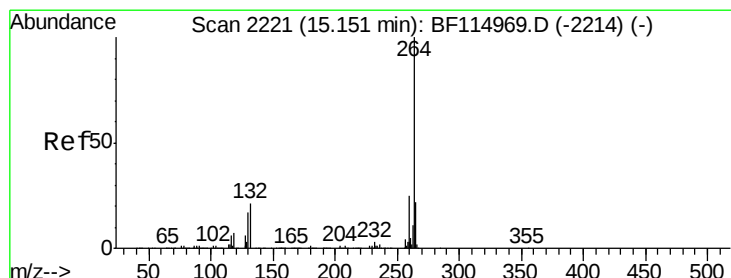
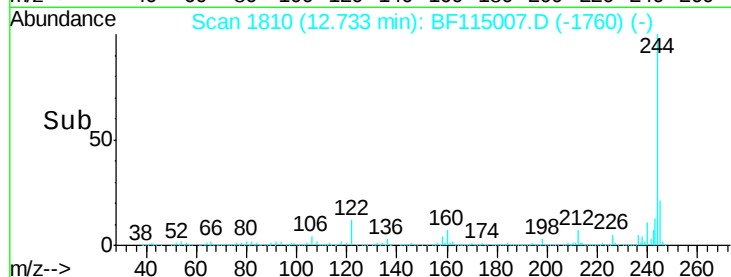
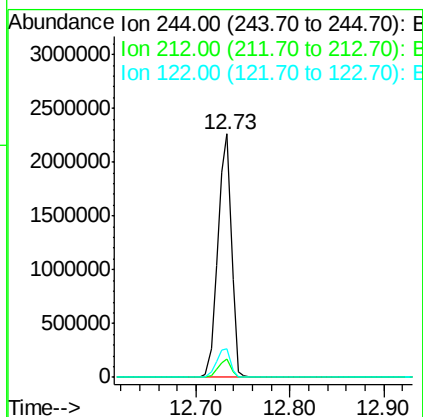
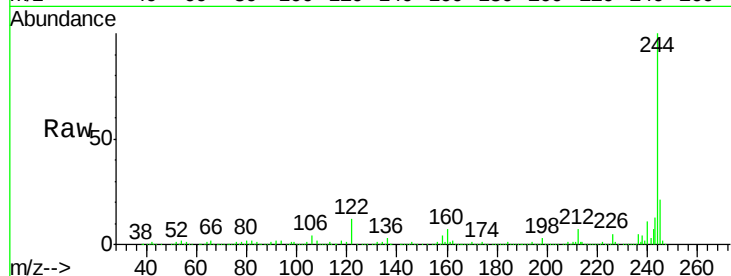




#79  
 Terphenyl-d14  
 Concen: 79.817 ng  
 RT: 12.73 min Scan# 1810  
 Delta R.T. -0.01 min  
 Lab File: BF115007.D  
 Acq: 13 Jun 2019 17:51

Instrument :  
 BNA\_F  
 ClientSampleId :  
 C-MW-7\_061119

Tgt Ion:244 Resp: 2298815  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 5.8 8.8  
 122 11.8 9.4 14.0



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.14 min Scan# 2220  
 Delta R.T. -0.01 min  
 Lab File: BF115007.D  
 Acq: 13 Jun 2019 17:51

Tgt Ion:264 Resp: 542376  
 Ion Ratio Lower Upper  
 264 100  
 260 24.9 19.9 29.9  
 265 21.7 17.6 26.4

