

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040419\  
 Data File : BF113594.D  
 Acq On : 4 Apr 2019 20:36  
 Operator : JU/SJ  
 Sample : K2227-07  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 05 01:32:32 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 04 04:05:31 2019  
 Response via : Initial Calibration

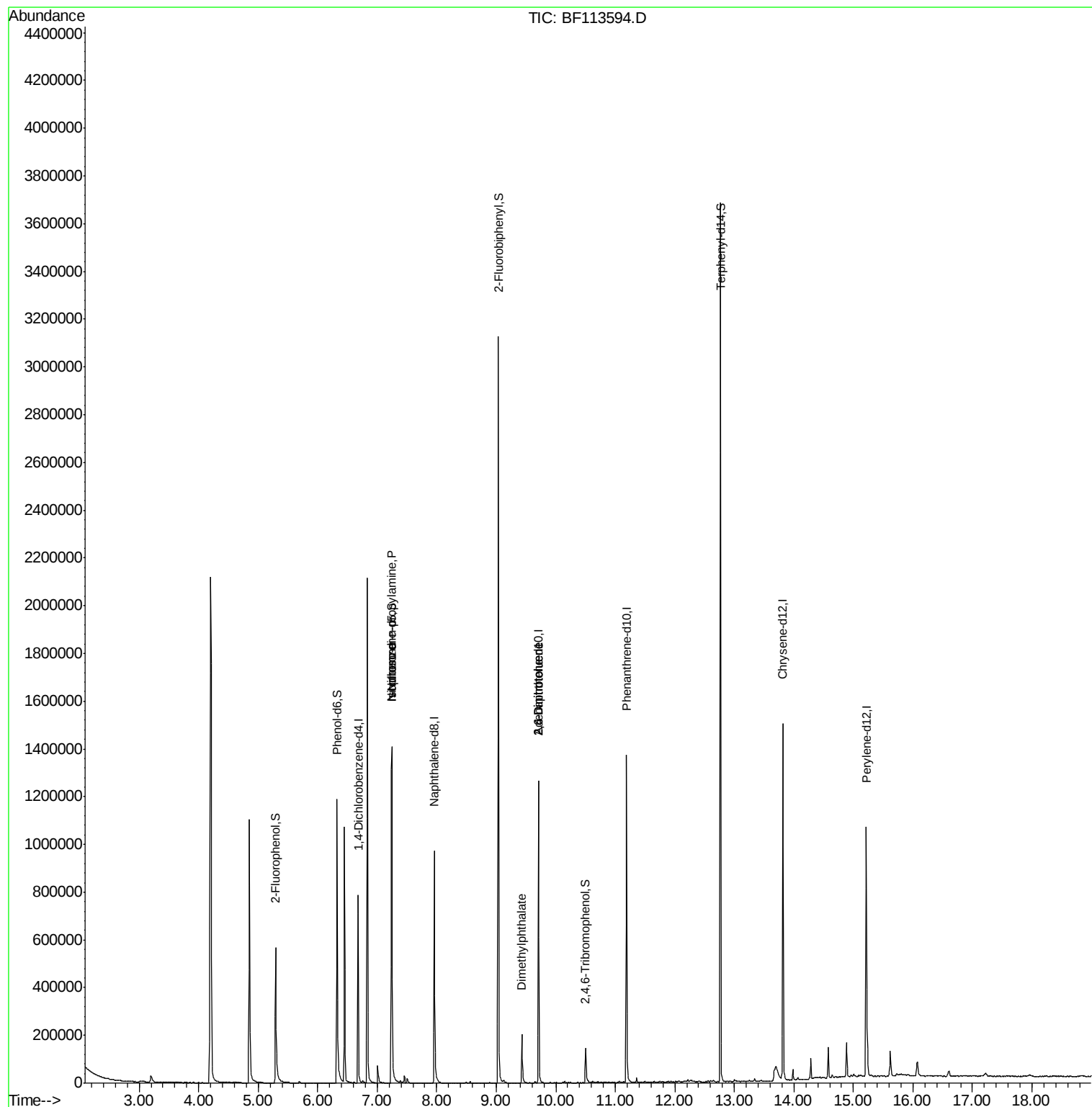
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.68  | 152  | 130828   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.96  | 136  | 507457   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.71  | 164  | 256996   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10           | 11.19 | 188  | 543531   | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12               | 13.82 | 240  | 524882   | 20.00  | ng    | -0.03    |
| 87) Perylene-d12               | 15.22 | 264  | 461087   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.29  | 112  | 217965   | 28.41  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.32  | 99   | 478190   | 50.57  | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 7.25  | 82   | 514413   | 59.38  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 10.50 | 330  | 29597    | 9.59   | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 9.03  | 172  | 1059647  | 66.38  | ng    | -0.02    |
| 79) Terphenyl-d14              | 12.77 | 244  | 1334269  | 51.76  | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.25  | 70   | 65951    | 11.310 | ng    | # 74     |
| 25) Isophorone                 | 7.25  | 82   | 511093   | 30.625 | ng    | # 64     |
| 50) Dimethylphthalate          | 9.43  | 163  | 108010   | 5.702  | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.71  | 165  | 32732    | 7.838  | ng    | # 26     |
| 57) 2,4-Dinitrotoluene         | 9.71  | 165  | 32732    | 6.481  | ng    | # 23     |

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

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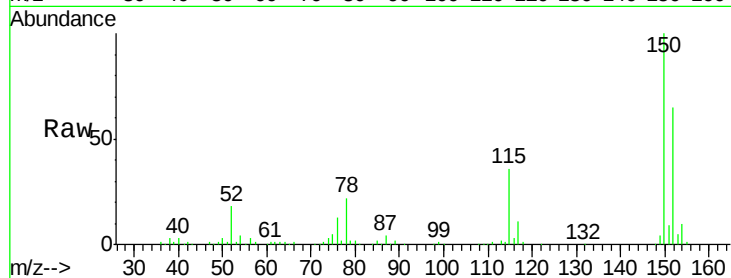


#1

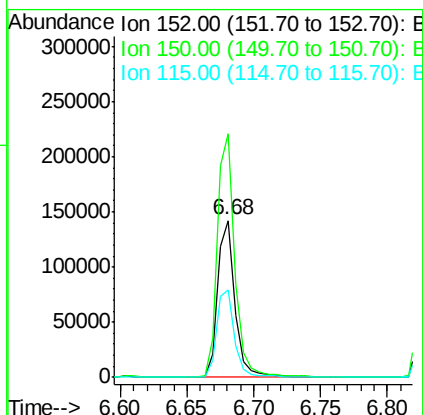
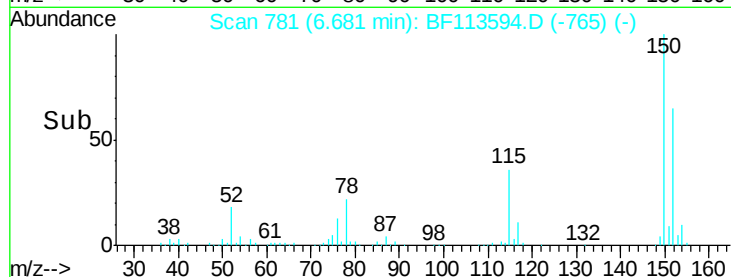
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.68 min Scan# 781  
Delta R.T. -0.01 min  
Lab File: BF113594.D  
Acq: 4 Apr 2019 20:36

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 130828  
Ion Ratio Lower Upper  
152 100  
150 154.9 124.7 187.1  
115 55.3 46.0 69.0



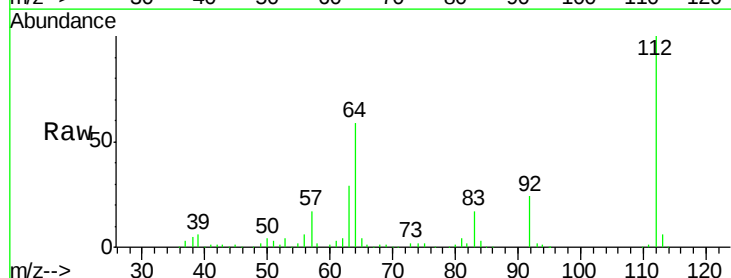
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



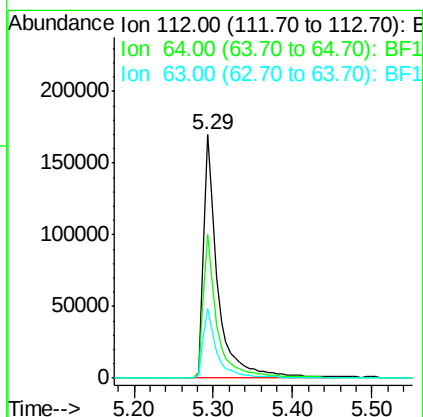
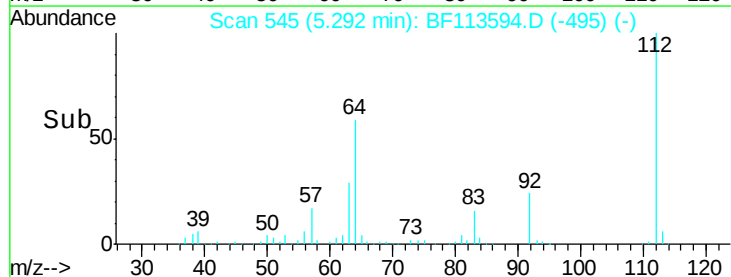
#5

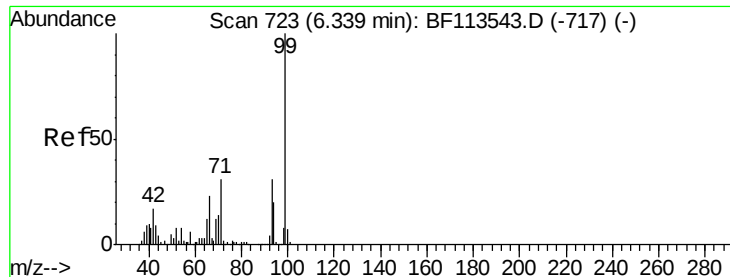
2-Fluorophenol  
Concen: 28.410 ng  
RT: 5.29 min Scan# 545  
Delta R.T. -0.01 min  
Lab File: BF113594.D  
Acq: 4 Apr 2019 20:36

Tgt Ion:112 Resp: 217965  
Ion Ratio Lower Upper  
112 100  
64 59.2 49.2 73.8  
63 28.5 24.9 37.3



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: 50.570 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.02 min

Lab File: BF113594.D

Acq: 4 Apr 2019 20:36

Instrument :

BNA\_F

ClientSampleId :

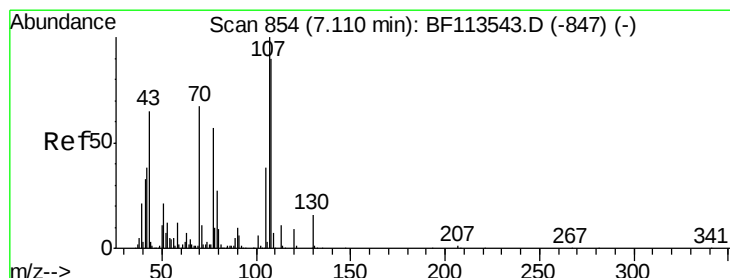
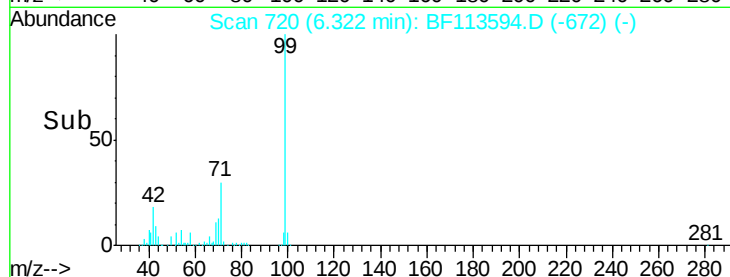
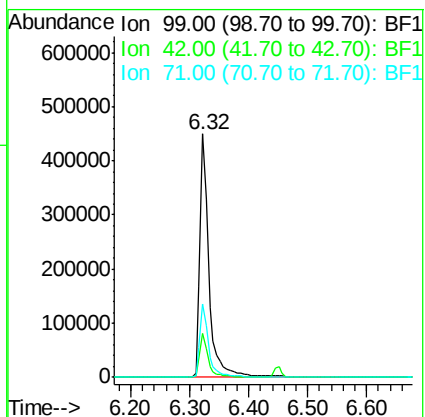
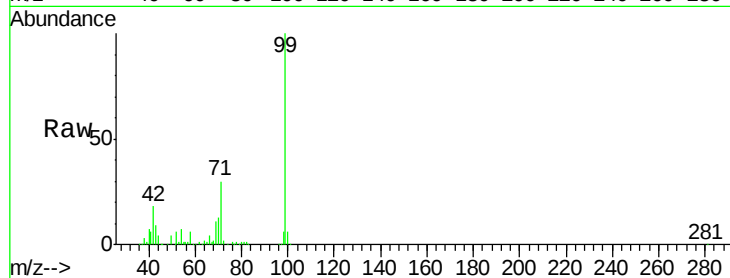
Tot Ion: 99 Resp: 478190

Ion Ratio Lower Upper

99 100

42 17.9 14.8 22.2

71 30.1 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 11.310 ng

RT: 7.25 min Scan# 877

Delta R.T. 0.14 min

Lab File: BF113594.D

Acq: 4 Apr 2019 20:36

Tgt Ion: 70 Resp: 65951

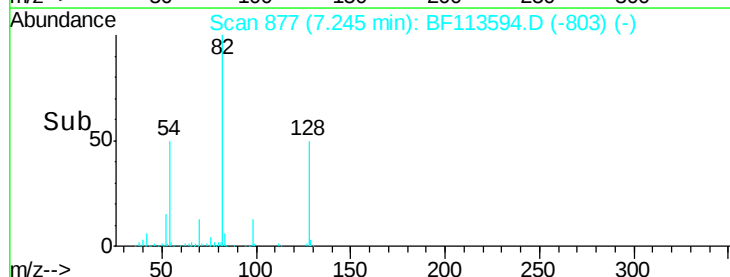
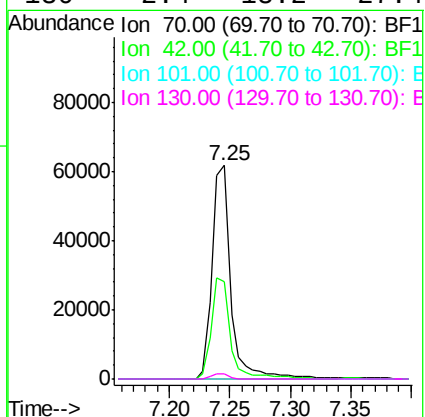
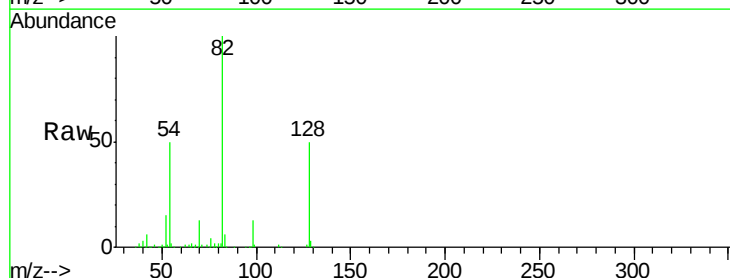
Ion Ratio Lower Upper

70 100

42 45.6 48.4 72.6#

101 0.0 7.8 11.8#

130 2.4 18.2 27.4#

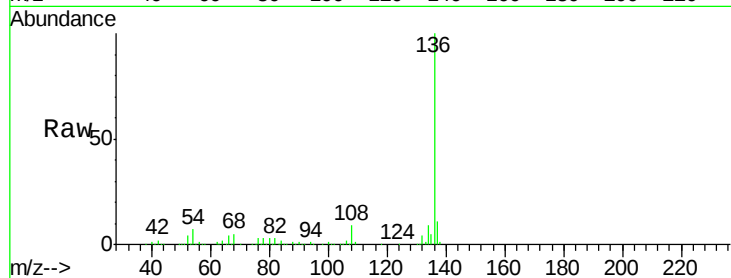




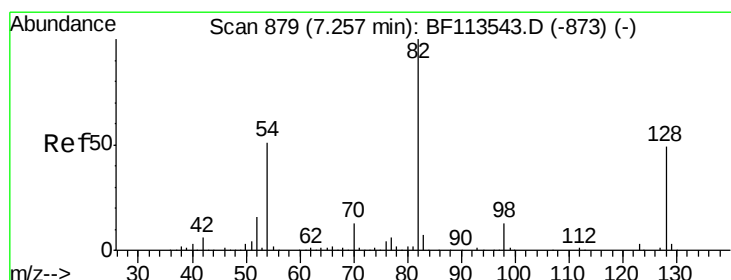
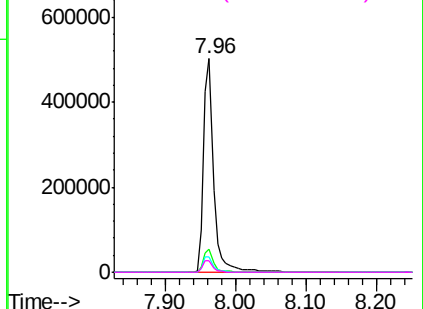
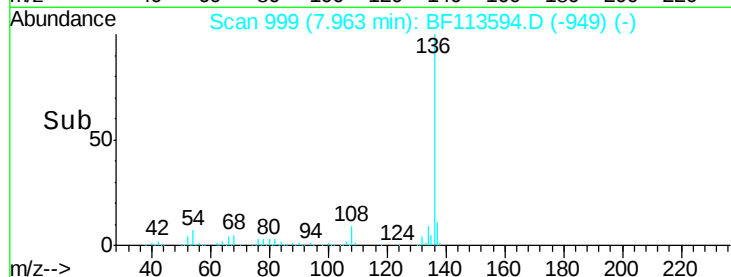
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.96 min Scan# 999  
Delta R.T. -0.01 min  
Lab File: BF113594.D  
Acq: 4 Apr 2019 20:36

Instrument :  
BNA\_F  
ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 507457      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 10.7  | 8.9 13.3    |
| 54          | 7.3   | 7.0 10.6    |
| 68          | 5.5   | 4.8 7.2     |

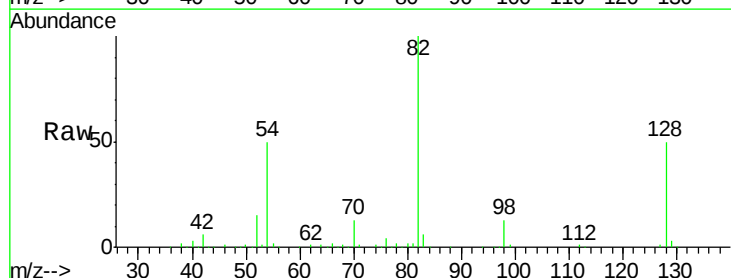


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

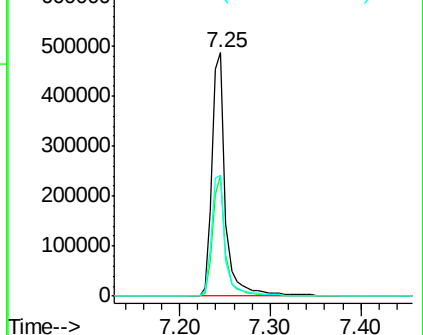
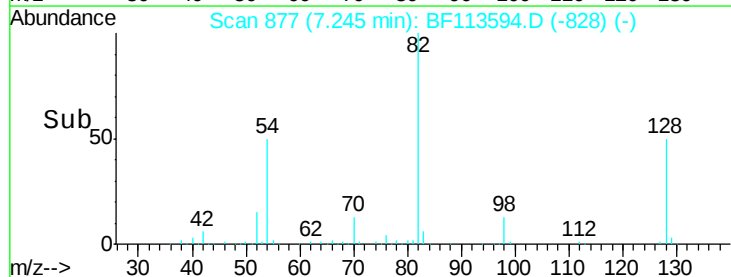


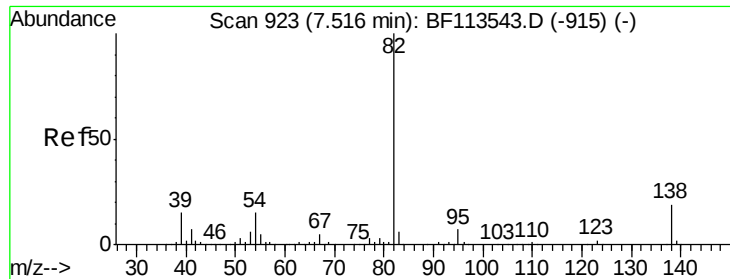
#23  
Nitrobenzene-d5  
Concen: 59.378 ng  
RT: 7.25 min Scan# 877  
Delta R.T. -0.01 min  
Lab File: BF113594.D  
Acq: 4 Apr 2019 20:36

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 514413      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 49.8  | 36.5 54.7   |
| 54          | 49.5  | 42.2 63.2   |



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: 30.625 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.27 min

Lab File: BF113594.D

Acq: 4 Apr 2019 20:36

Instrument :

BNA\_F

ClientSampleId :

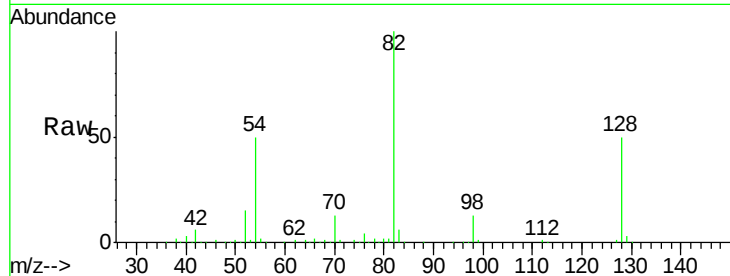
Tot Ion: 82 Resp: 511093

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

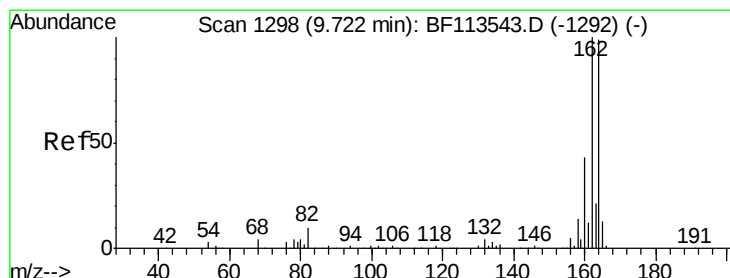
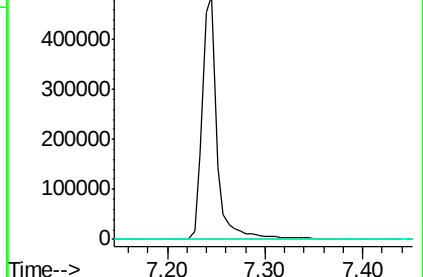
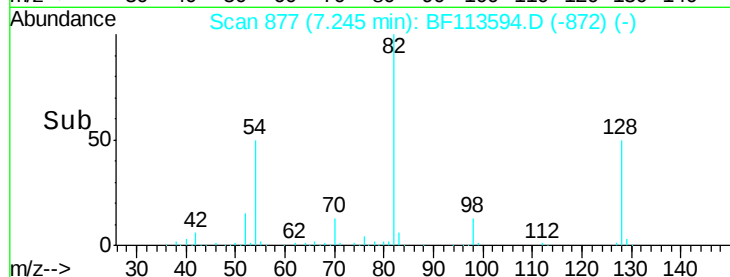
138 0.0 15.2 22.8#



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: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF113594.D

Acq: 4 Apr 2019 20:36

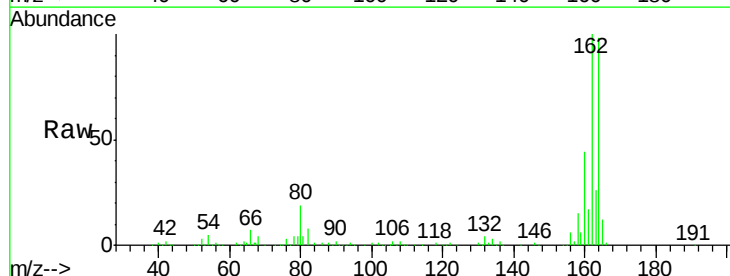
Tgt Ion:164 Resp: 256996

Ion Ratio Lower Upper

164 100

162 101.7 81.8 122.6

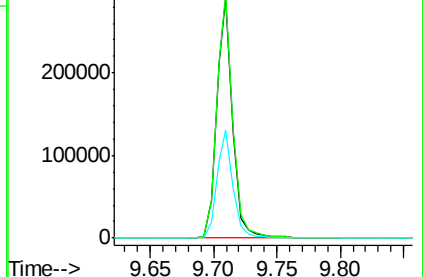
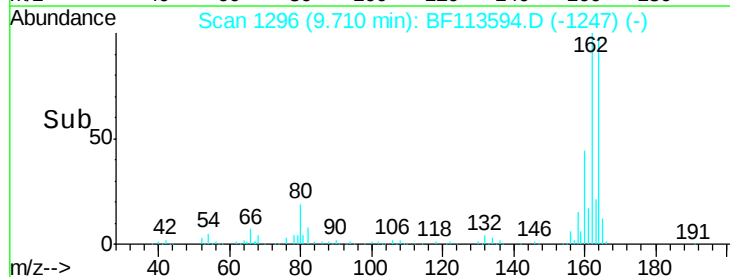
160 44.8 36.4 54.6



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

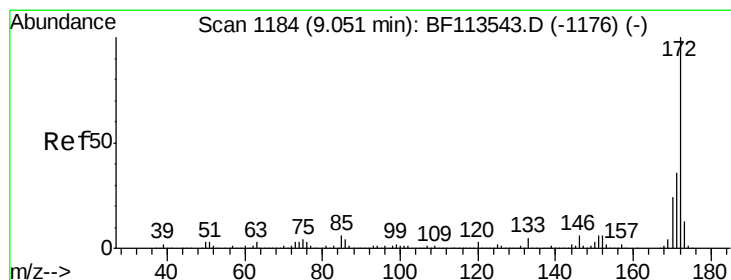
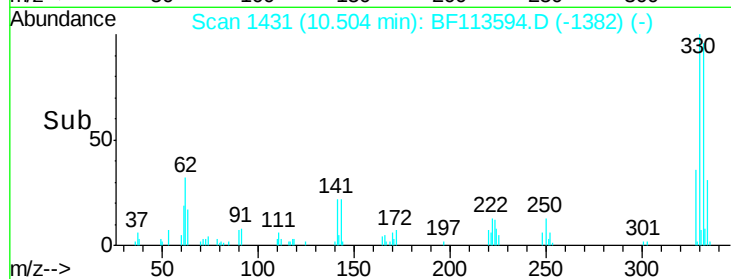
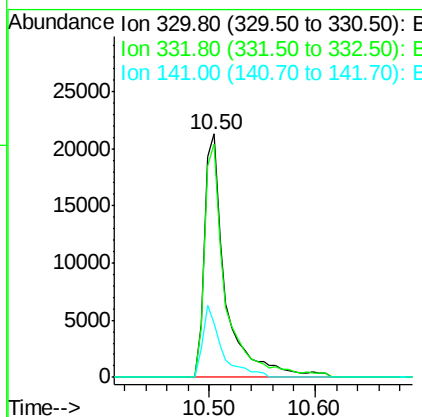
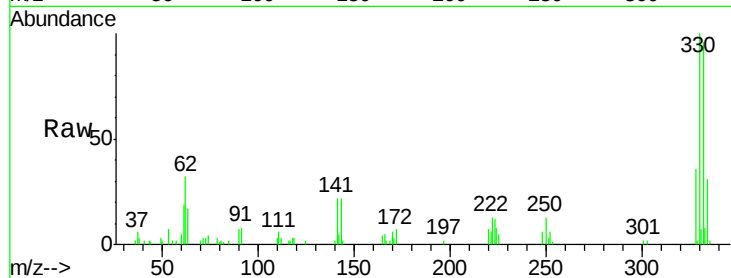




#42  
 2,4,6-Tribromophenol  
 Concen: 9.587 ng  
 RT: 10.50 min Scan# 1431  
 Delta R.T. -0.01 min  
 Lab File: BF113594.D  
 Acq: 4 Apr 2019 20:36

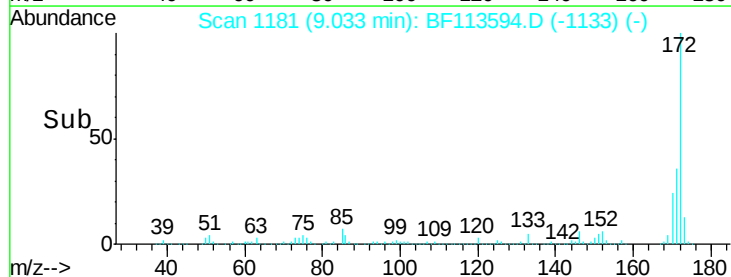
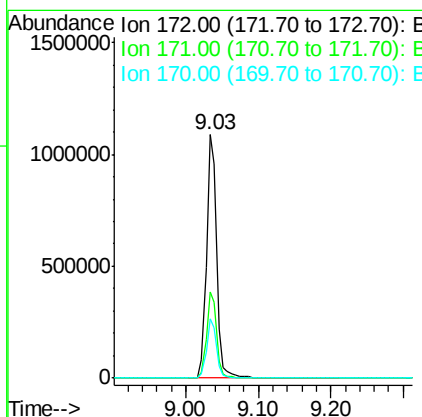
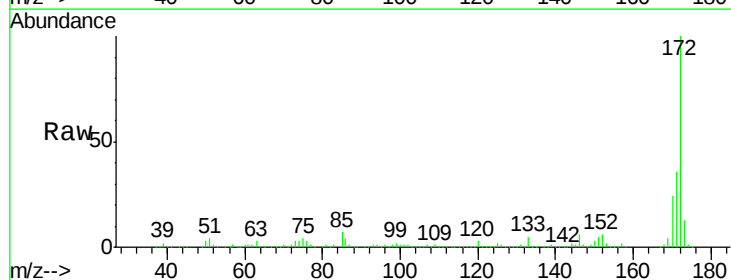
Instrument :  
 BNA\_F  
 ClientSampleId :

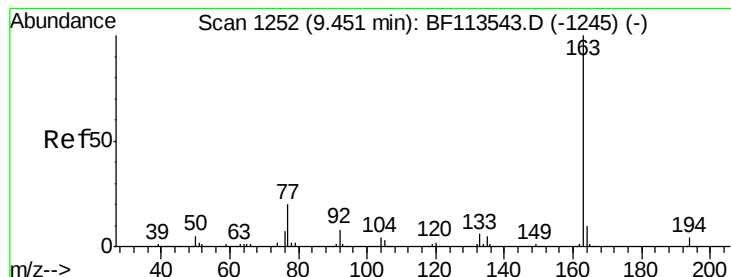
Tot Ion:330 Resp: 29597  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 77.8 116.6  
 141 25.9 22.7 34.1



#45  
 2-Fluorobiphenyl  
 Concen: 66.379 ng  
 RT: 9.03 min Scan# 1181  
 Delta R.T. -0.02 min  
 Lab File: BF113594.D  
 Acq: 4 Apr 2019 20:36

Tgt Ion:172 Resp: 1059647  
 Ion Ratio Lower Upper  
 172 100  
 171 35.6 29.0 43.6  
 170 24.2 19.5 29.3





#50

Dimethylphthalate

Concen: 5.702 ng

RT: 9.43 min Scan# 1249

Delta R.T. -0.02 min

Lab File: BF113594.D

Acq: 4 Apr 2019 20:36

Instrument :

BNA\_F

ClientSampled :

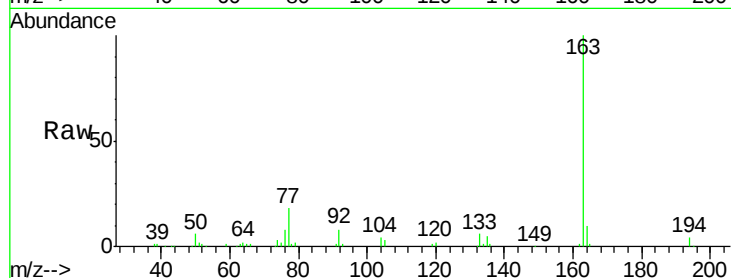
Tot Ion:163 Resp: 108010

Ion Ratio Lower Upper

163 100

194 3.5 3.0 4.6

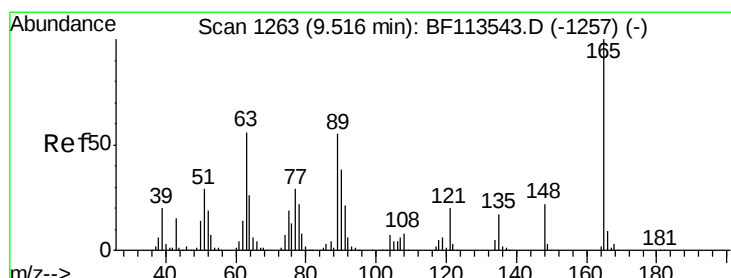
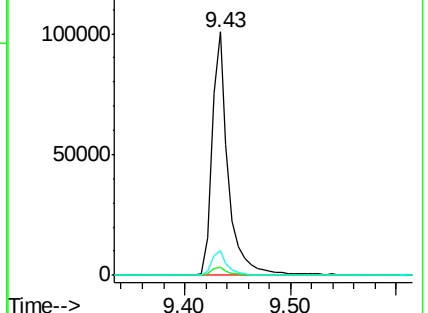
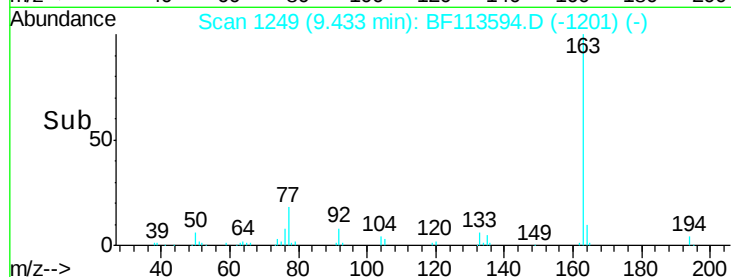
164 10.3 8.1 12.1



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



#51

2,6-Dinitrotoluene

Concen: 7.838 ng

RT: 9.71 min Scan# 1296

Delta R.T. 0.19 min

Lab File: BF113594.D

Acq: 4 Apr 2019 20:36

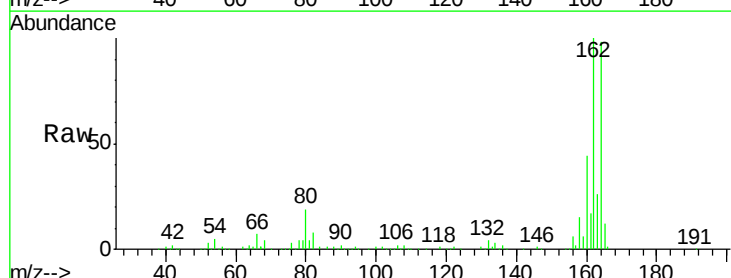
Tgt Ion:165 Resp: 32732

Ion Ratio Lower Upper

165 100

63 1.2 43.4 65.0#

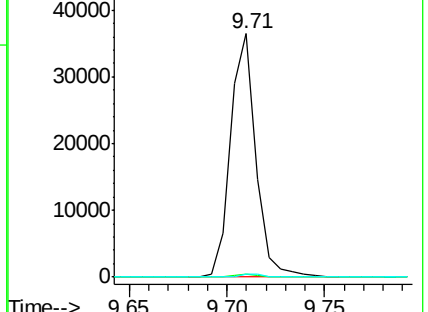
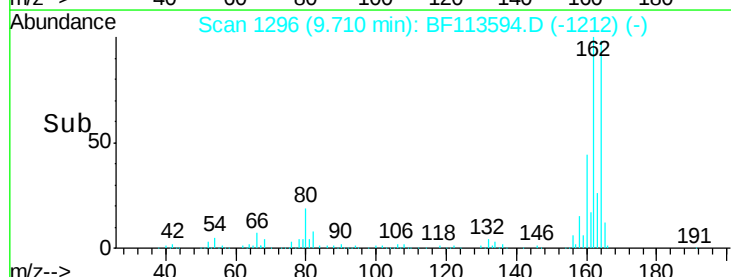
89 1.2 43.1 64.7#

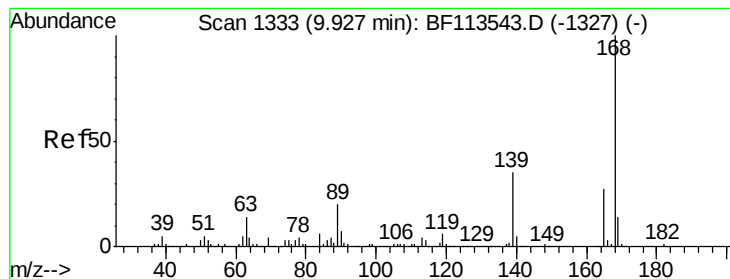


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

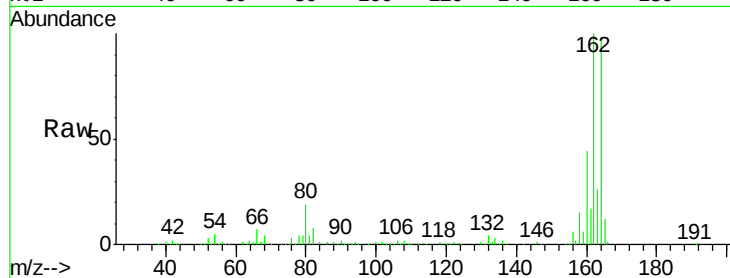




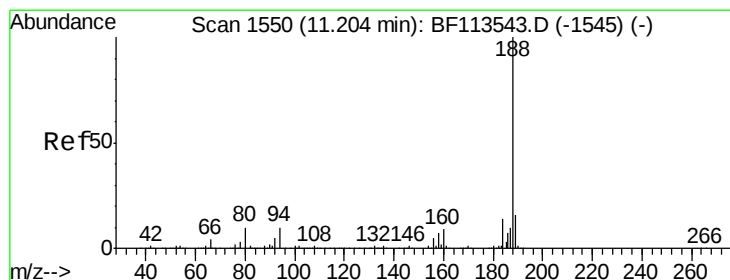
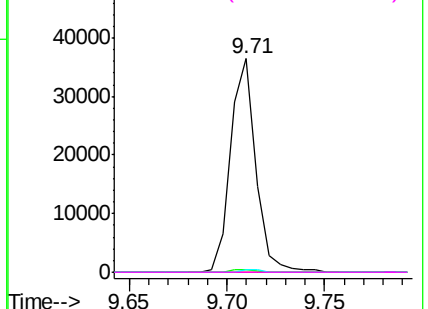
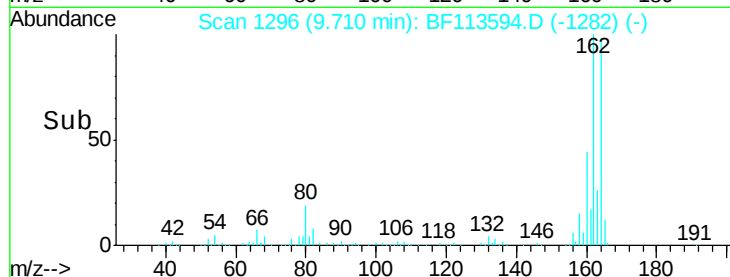
#57  
 2,4-Dinitrotoluene  
 Concen: 6.481 ng  
 RT: 9.71 min Scan# 1296  
 Delta R.T. -0.22 min  
 Lab File: BF113594.D  
 Acq: 4 Apr 2019 20:36

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:165 Resp: 32732  
 Ion Ratio Lower Upper  
 165 100  
 63 1.2 37.5 56.3#  
 89 1.2 57.4 86.2#  
 182 0.0 2.0 3.0#

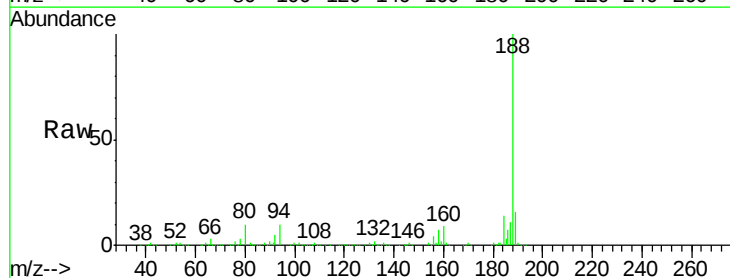


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E

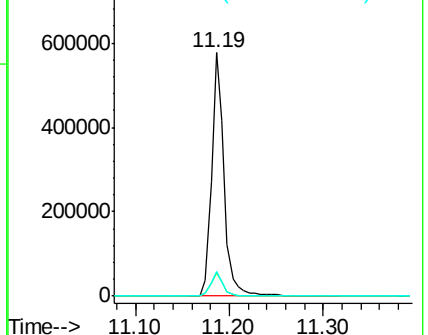
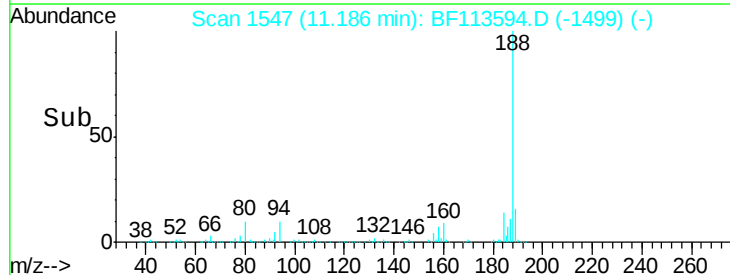


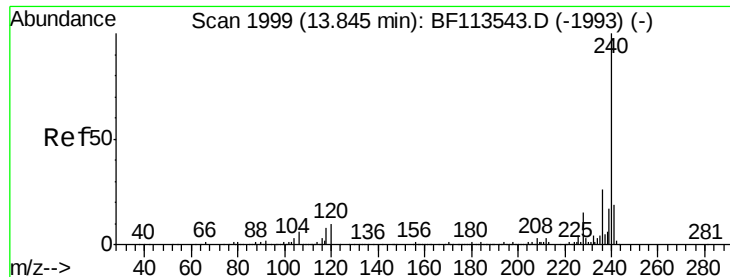
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.19 min Scan# 1547  
 Delta R.T. -0.02 min  
 Lab File: BF113594.D  
 Acq: 4 Apr 2019 20:36

Tgt Ion:188 Resp: 543531  
 Ion Ratio Lower Upper  
 188 100  
 94 9.8 7.0 10.6  
 80 10.0 7.7 11.5



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.03 min

Lab File: BF113594.D

Acq: 4 Apr 2019 20:36

Instrument :

BNA\_F

ClientSampleId :

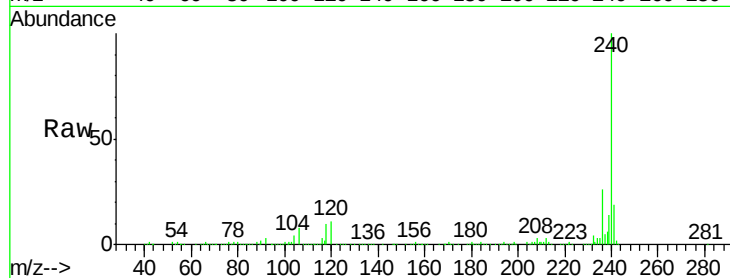
Tot Ion:240 Resp: 524882

Ion Ratio Lower Upper

240 100

120 11.5 8.8 13.2

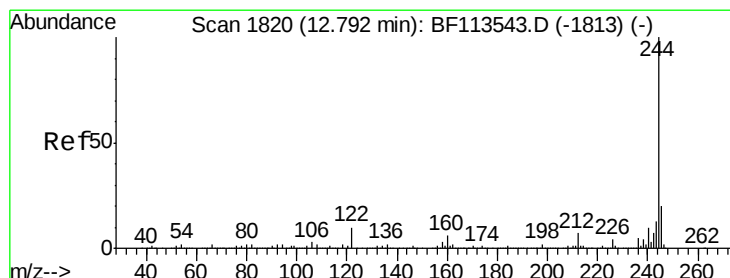
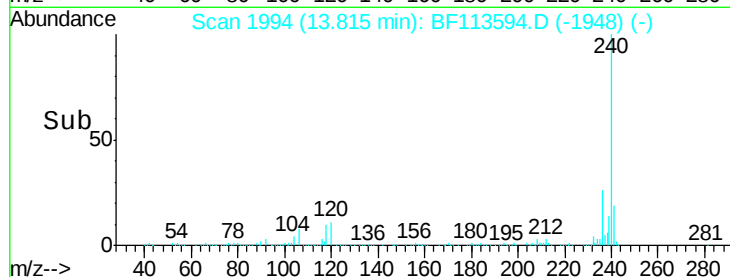
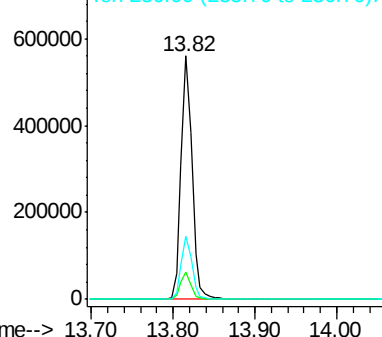
236 25.9 20.9 31.3



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: 51.756 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF113594.D

Acq: 4 Apr 2019 20:36

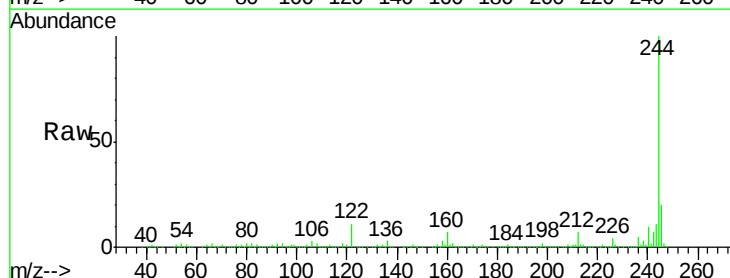
Tgt Ion:244 Resp: 1334269

Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

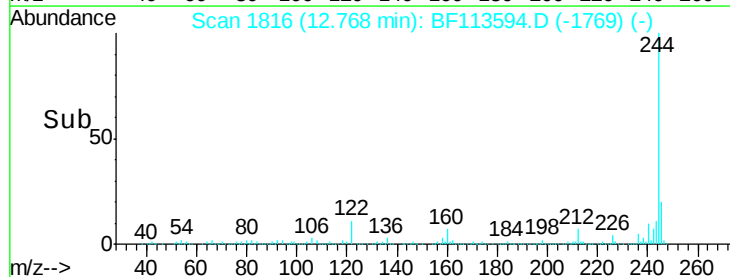
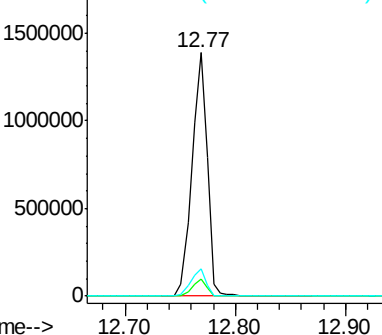
122 11.0 8.6 13.0

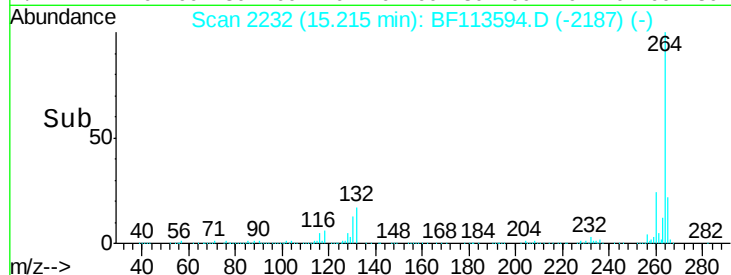
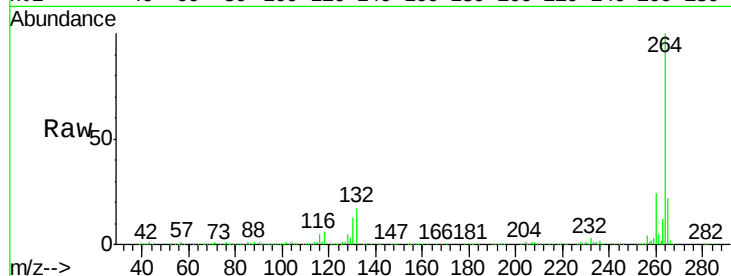
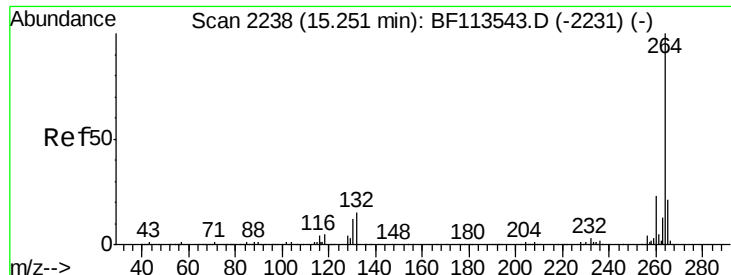


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.22 min Scan# 2232  
 Delta R.T. -0.04 min  
 Lab File: BF113594.D  
 Acq: 4 Apr 2019 20:36

Instrument :  
 BNA\_F  
 ClientSampleId :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:264 | Resp: | 461087      |
| Ion         | Ratio | Lower Upper |
| 264         | 100   |             |
| 260         | 23.8  | 19.1 28.7   |
| 265         | 21.8  | 17.1 25.7   |

