

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF040219\  
 Data File : BF113520.D  
 Acq On : 2 Apr 2019 22:09  
 Operator : JU/SJ  
 Sample : K2182-03  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S8A-S8B(12-16)COMP

Quant Time: Apr 03 01:04:11 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF032519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 26 03:32:08 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.69  | 152  | 135975   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 7.97  | 136  | 503828   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 9.72  | 164  | 234306   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 11.20 | 188  | 416138   | 20.00 | ng    | -0.02    |
| 76) Chrysene-d12          | 13.83 | 240  | 319929   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12          | 15.23 | 264  | 359047   | 20.00 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.30  | 112  | 762089   | 91.64 | ng    | -0.01    |
| 7) Phenol-d6                | 6.34  | 99   | 995087   | 94.59 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.26  | 82   | 591396   | 69.67 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.51 | 330  | 266970   | 92.24 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 9.05  | 172  | 1101740  | 70.74 | ng    | -0.02    |
| 79) Terphenyl-d14           | 12.78 | 244  | 949209   | 65.40 | ng    | -0.02    |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 10) Phenol                     | 6.35  | 94   | 32133    | 2.675  | ng    | # 75   |
| 19) n-Nitroso-di-n-propylamine | 7.26  | 70   | 75947    | 11.493 | ng    | # 73   |
| 25) Isophorone                 | 7.26  | 82   | 581100   | 35.324 | ng    | # 64   |
| 50) Dimethylphthalate          | 9.44  | 163  | 84967    | 4.893  | ng    | 99     |
| 51) 2,6-Dinitrotoluene         | 9.72  | 165  | 29716    | 7.586  | ng    | # 26   |
| 57) 2,4-Dinitrotoluene         | 9.72  | 165  | 29716    | 5.965  | ng    | # 23   |
| 67) 4-Bromophenyl-phenylether  | 10.50 | 248  | 14962    | 3.299  | ng    | # 1    |
| 71) Phenanthrene               | 11.22 | 178  | 323834   | 15.670 | ng    | 98     |
| 72) Anthracene                 | 11.27 | 178  | 52205    | 2.487  | ng    | 98     |
| 75) Fluoranthene               | 12.40 | 202  | 249932   | 10.698 | ng    | 99     |
| 78) Pyrene                     | 12.63 | 202  | 382190   | 17.239 | ng    | 99     |
| 81) Benzo(a)anthracene         | 13.82 | 228  | 140807   | 7.689  | ng    | 100    |
| 83) Chrysene                   | 13.85 | 228  | 156417   | 8.409  | ng    | 98     |
| 86) Indeno(1,2,3-cd)pyrene     | 16.59 | 276  | 49224    | 3.083  | ng    | 98     |
| 88) Benzo(b)fluoranthene       | 14.84 | 252  | 208624   | 9.354  | ng    | 97     |
| 89) Benzo(k)fluoranthene       | 14.84 | 252  | 208624   | 10.651 | ng    | # 98   |
| 90) Benzo(a)pyrene             | 15.17 | 252  | 97698    | 4.941  | ng    | 99     |
| 92) Benzo(g,h,i)perylene       | 16.99 | 276  | 49522    | 2.873  | ng    | # 94   |

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



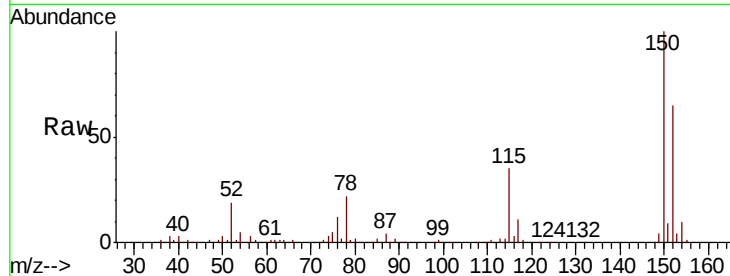


#1

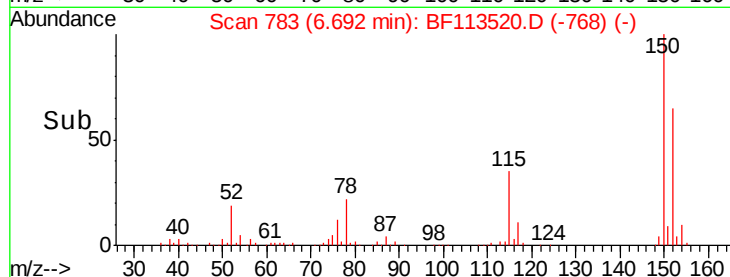
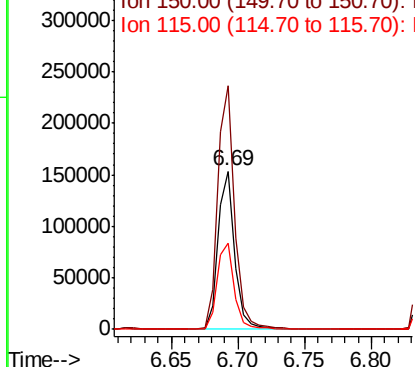
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.69 min Scan# 783  
Delta R.T. -0.01 min  
Lab File: BF113520.D  
Acq: 2 Apr 2019 22:09

Instrument :  
BNA\_F  
ClientSampleId :  
S8A-S8B(12-16)COMP

Tgt Ion:152 Resp: 135975  
Ion Ratio Lower Upper  
152 100  
150 154.0 124.7 187.1  
115 54.5 46.0 69.0



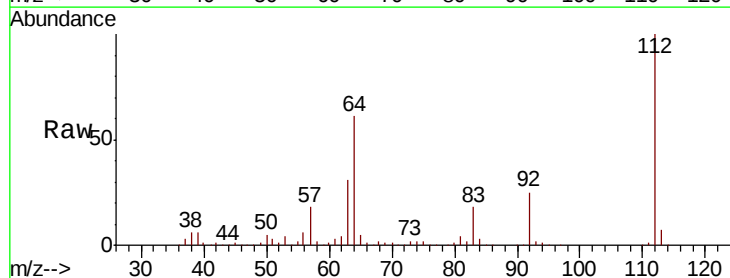
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



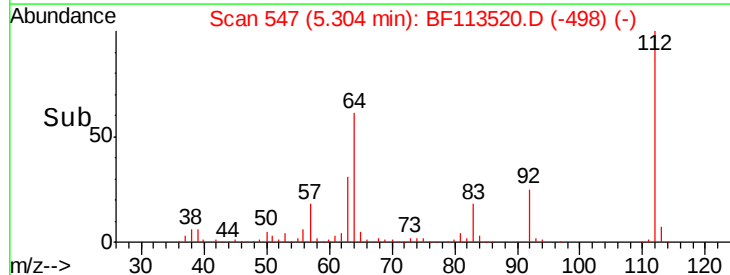
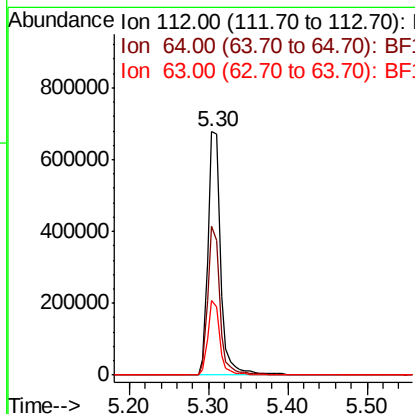
#5

2-Fluorophenol  
Concen: 91.642 ng  
RT: 5.30 min Scan# 547  
Delta R.T. -0.01 min  
Lab File: BF113520.D  
Acq: 2 Apr 2019 22:09

Tgt Ion:112 Resp: 762089  
Ion Ratio Lower Upper  
112 100  
64 61.1 49.2 73.8  
63 30.8 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: 94.589 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF113520.D

Acq: 2 Apr 2019 22:09

Instrument :

BNA\_F

ClientSampleId :

S8A-S8B(12-16)COMP

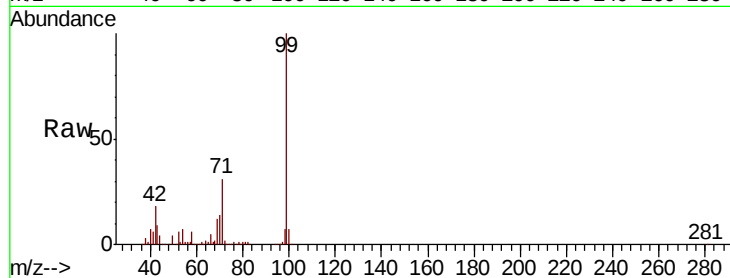
Tgt Ion: 99 Resp: 995087

Ion Ratio Lower Upper

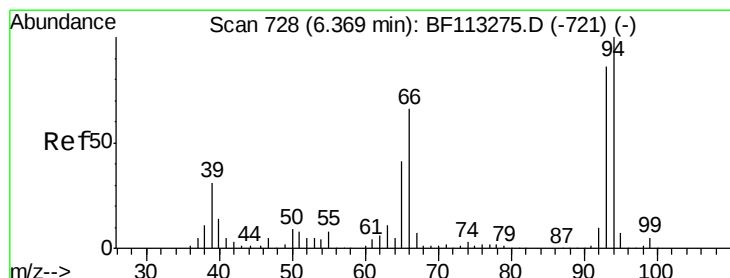
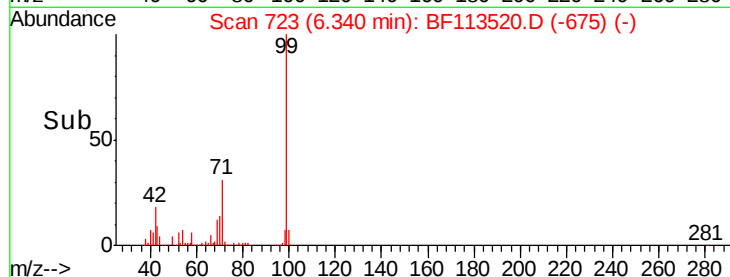
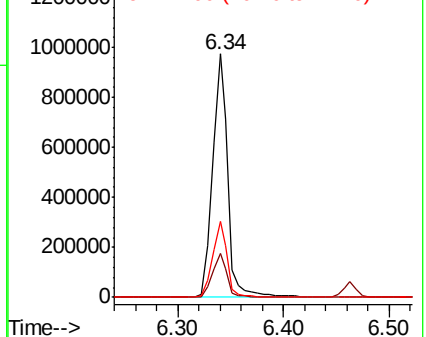
99 100

42 18.2 14.8 22.2

71 31.4 24.9 37.3



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



#10

Phenol

Concen: 2.675 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF113520.D

Acq: 2 Apr 2019 22:09

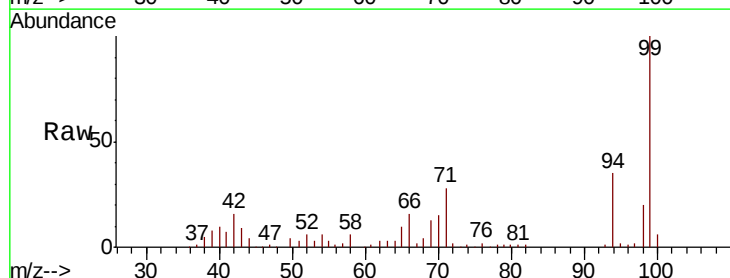
Tgt Ion: 94 Resp: 32133

Ion Ratio Lower Upper

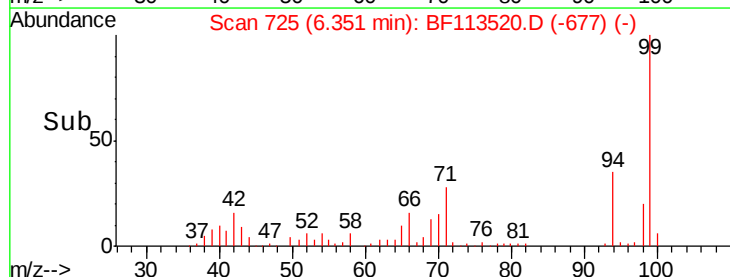
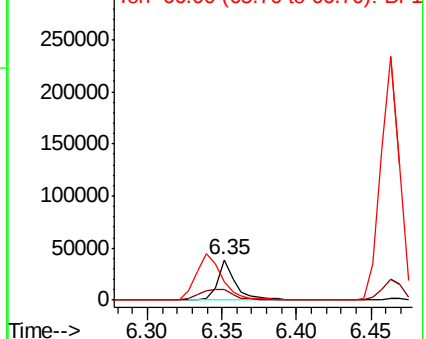
94 100

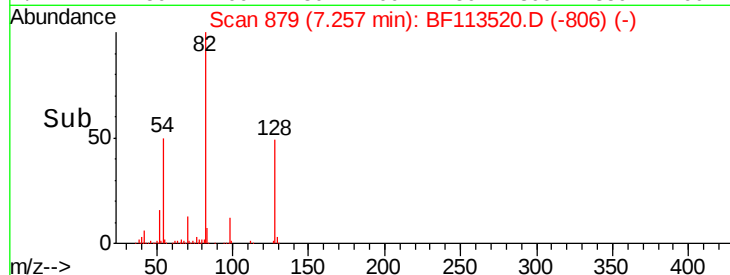
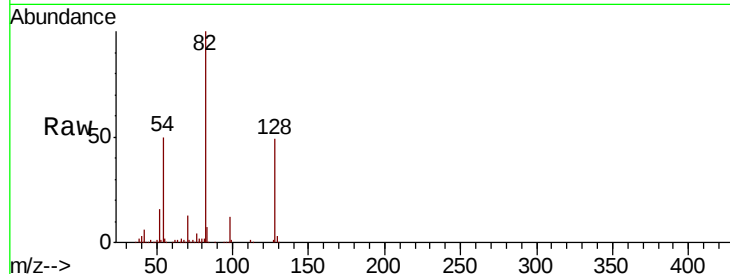
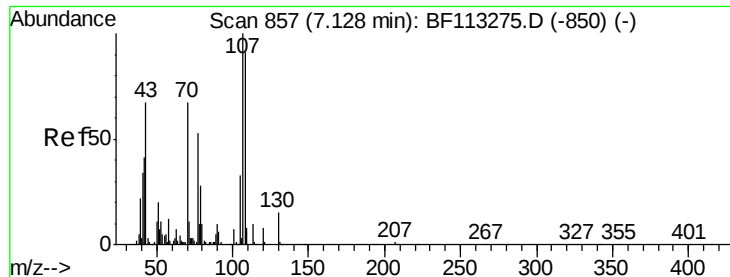
65 27.7 21.4 61.4

66 45.4 46.4 86.4#



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1

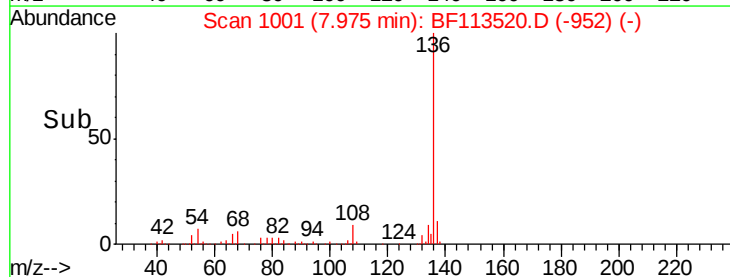
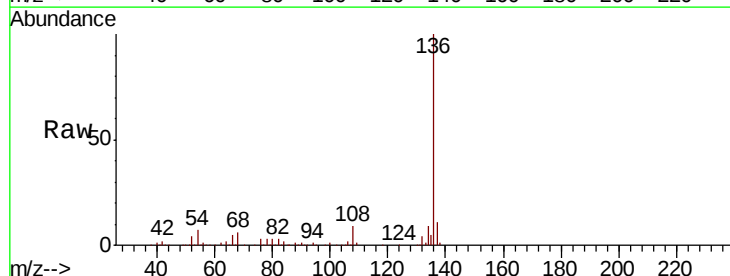
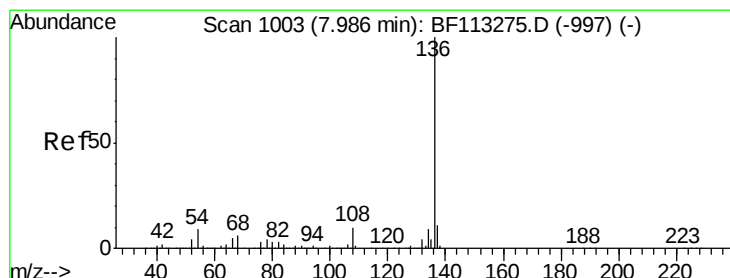
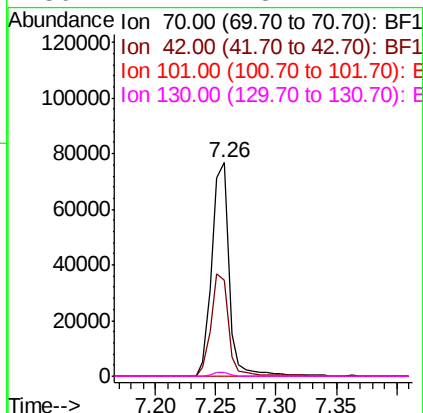




#19  
n-Nitroso-di-n-propylamine  
Concen: 11.493 ng  
RT: 7.26 min Scan# 879  
Delta R.T. 0.13 min  
Lab File: BF113520.D  
Acq: 2 Apr 2019 22:09

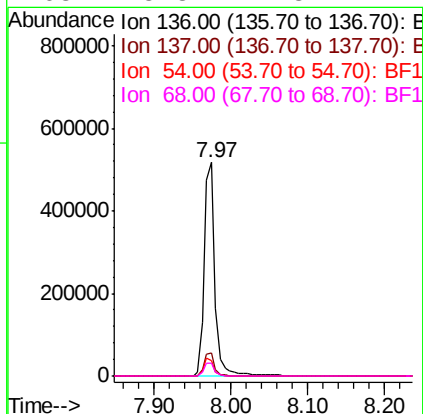
Instrument :  
BNA\_F  
ClientSampleId :  
S8A-S8B(12-16)COMP

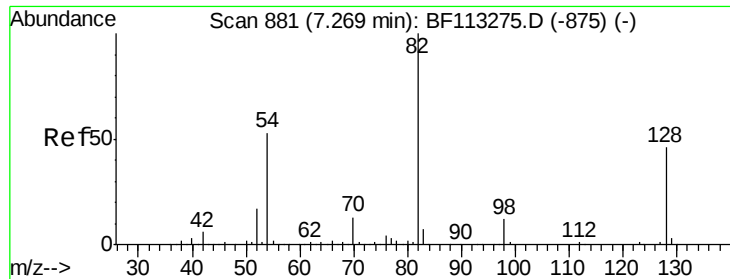
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 75947 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 44.9  | 48.4  | 72.6# |
| 101      | 0.0   | 7.8   | 11.8# |
| 130      | 2.1   | 18.2  | 27.4# |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.97 min Scan# 1001  
Delta R.T. -0.01 min  
Lab File: BF113520.D  
Acq: 2 Apr 2019 22:09

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 503828 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.9   | 13.3   |
| 54       | 7.3   | 7.0   | 10.6   |
| 68       | 5.8   | 4.8   | 7.2    |

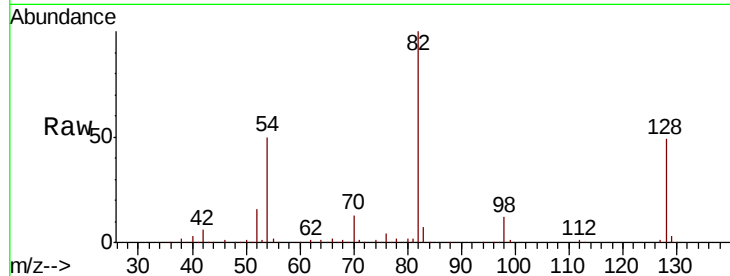




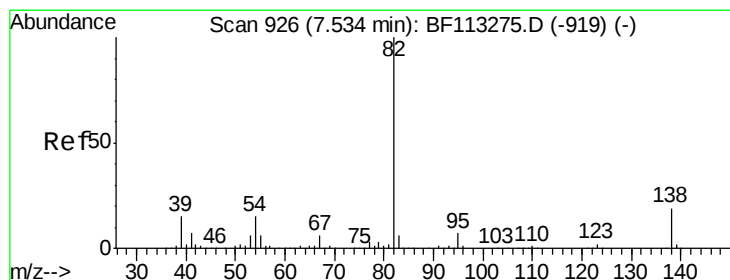
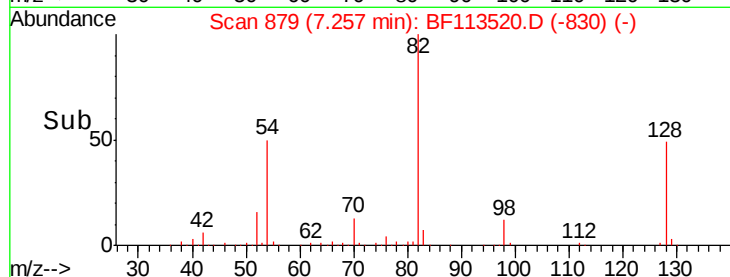
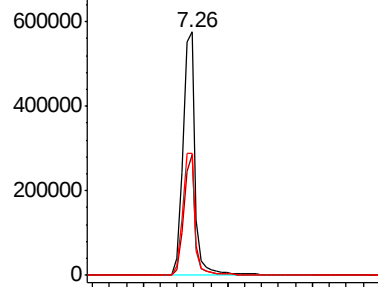
#23  
 Nitrobenzene-d5  
 Concen: 69.670 ng  
 RT: 7.26 min Scan# 879  
 Delta R.T. -0.01 min  
 Lab File: BF113520.D  
 Acq: 2 Apr 2019 22:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S8A-S8B(12-16)COMP

Tgt Ion: 82 Resp: 591396  
 Ion Ratio Lower Upper  
 82 100  
 128 49.5 36.5 54.7  
 54 50.0 42.2 63.2

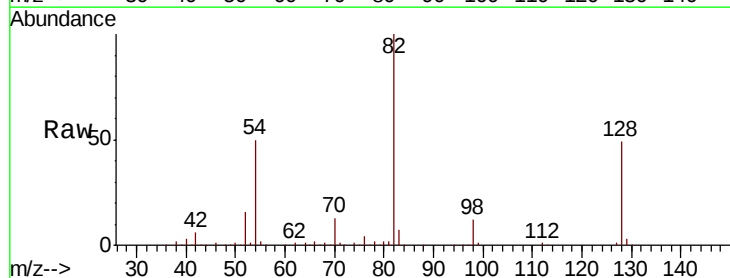


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

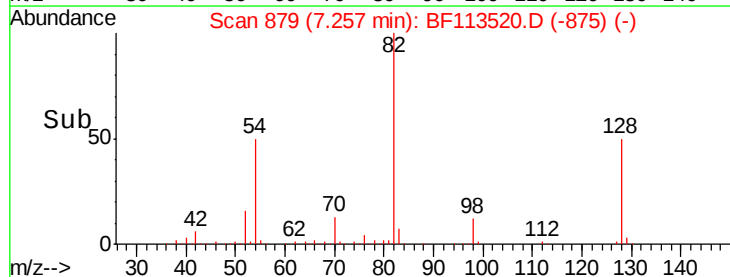
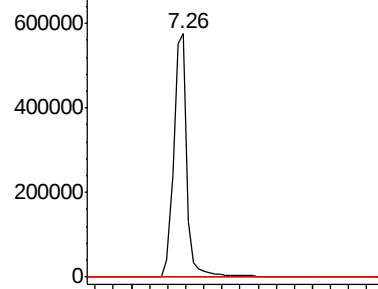


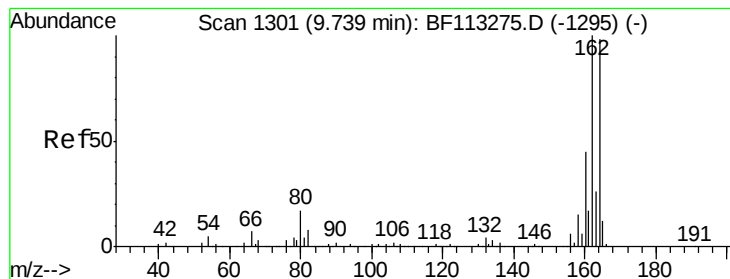
#25  
 Isophorone  
 Concen: 35.324 ng  
 RT: 7.26 min Scan# 879  
 Delta R.T. -0.28 min  
 Lab File: BF113520.D  
 Acq: 2 Apr 2019 22:09

Tgt Ion: 82 Resp: 581100  
 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: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF113520.D

Acq: 2 Apr 2019 22:09

Instrument :

BNA\_F

ClientSampleId :

S8A-S8B(12-16)COMP

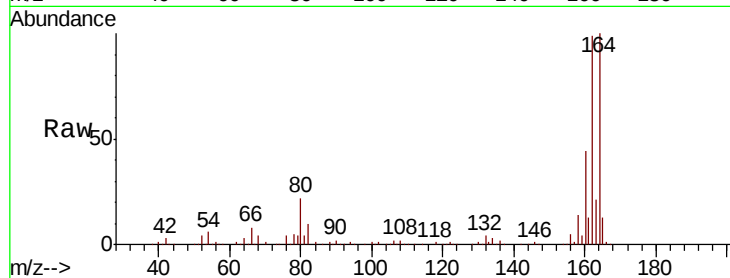
Tgt Ion:164 Resp: 234306

Ion Ratio Lower Upper

164 100

162 99.3 81.8 122.6

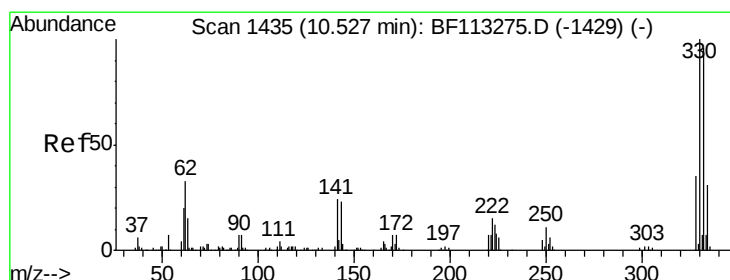
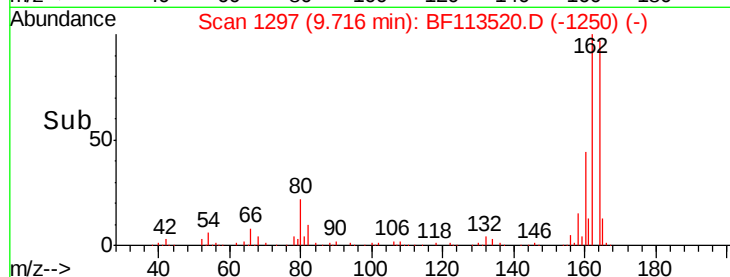
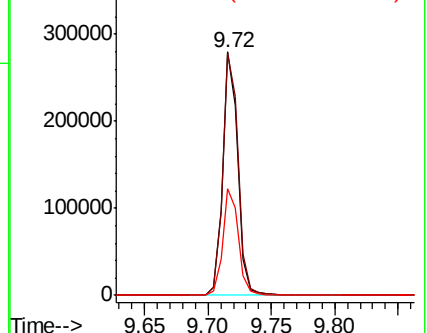
160 43.8 36.4 54.6



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: 92.243 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.02 min

Lab File: BF113520.D

Acq: 2 Apr 2019 22:09

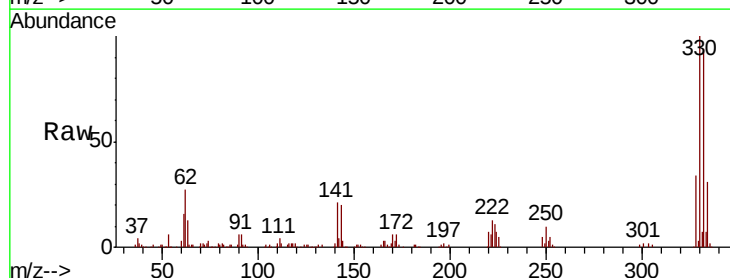
Tgt Ion:330 Resp: 266970

Ion Ratio Lower Upper

330 100

332 94.4 77.8 116.6

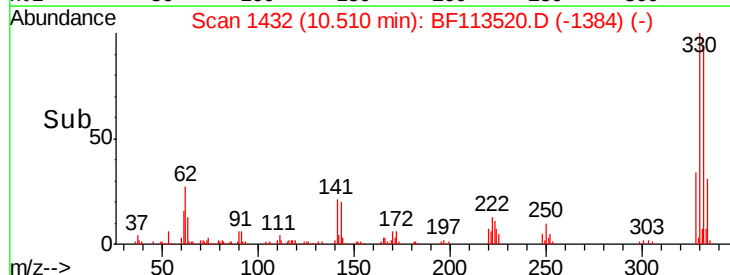
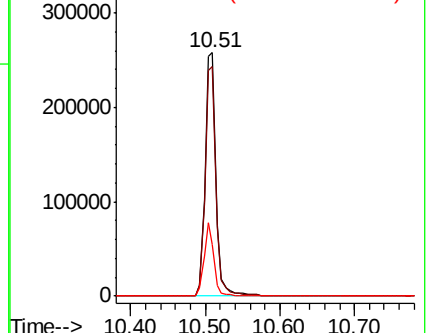
141 27.4 22.7 34.1

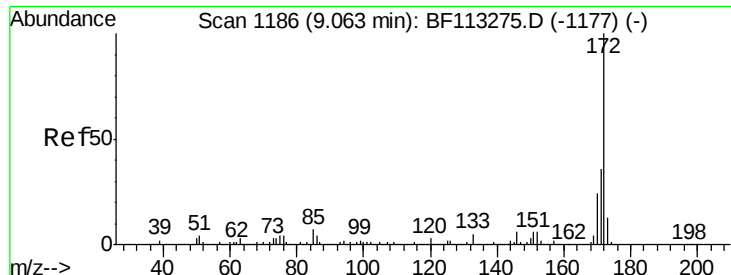


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

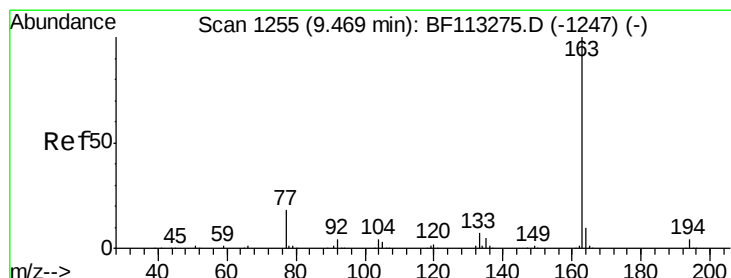
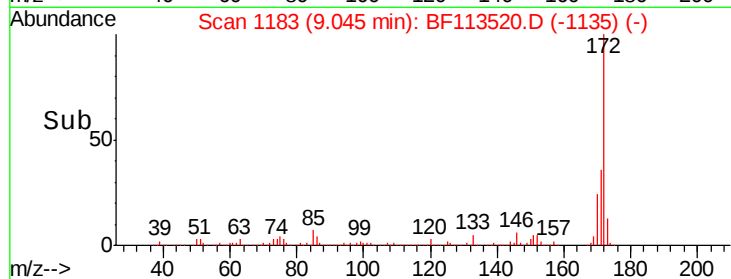
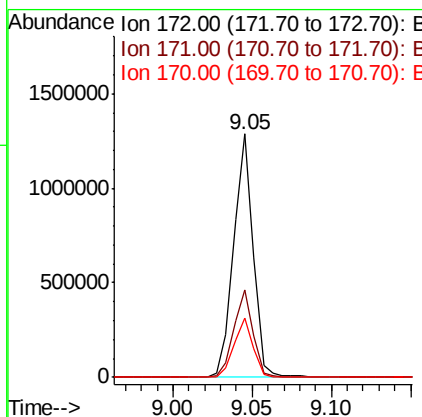
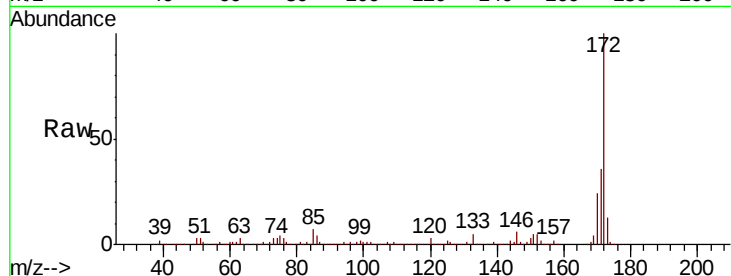




#45  
2-Fluorobiphenyl  
Concen: 70.741 ng  
RT: 9.05 min Scan# 1183  
Delta R.T. -0.02 min  
Lab File: BF113520.D  
Acq: 2 Apr 2019 22:09

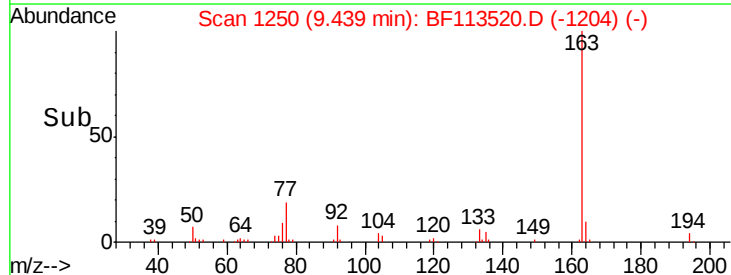
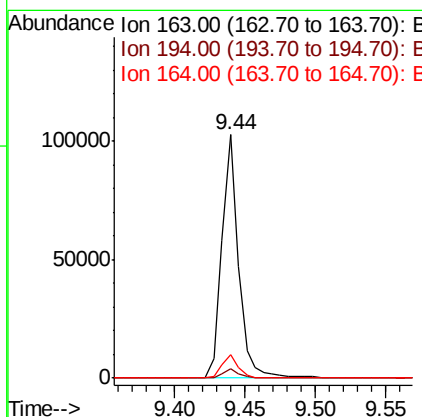
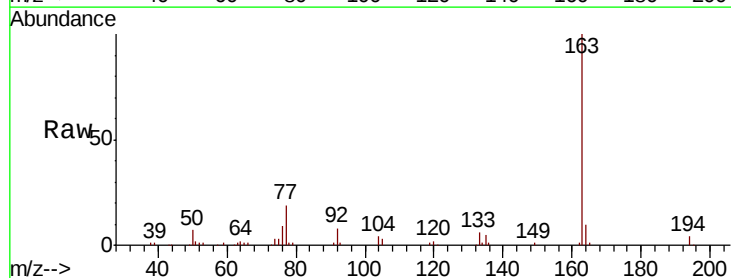
Instrument :  
BNA\_F  
ClientSampleId :  
S8A-S8B(12-16)COMP

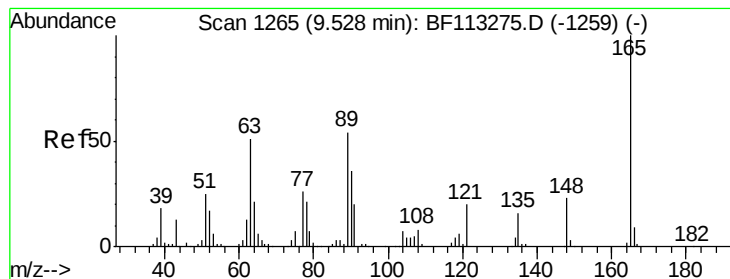
Tgt Ion:172 Resp: 1101740  
Ion Ratio Lower Upper  
172 100  
171 36.0 29.0 43.6  
170 24.2 19.5 29.3



#50  
Dimethylphthalate  
Concen: 4.893 ng  
RT: 9.44 min Scan# 1250  
Delta R.T. -0.03 min  
Lab File: BF113520.D  
Acq: 2 Apr 2019 22:09

Tgt Ion:163 Resp: 84967  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.0 4.6  
164 9.8 8.1 12.1





#51

2,6-Dinitrotoluene

Concen: 7.586 ng

RT: 9.72 min Scan# 1297

Delta R.T. 0.19 min

Lab File: BF113520.D

Acq: 2 Apr 2019 22:09

Instrument :

BNA\_F

ClientSampleId :

S8A-S8B(12-16)COMP

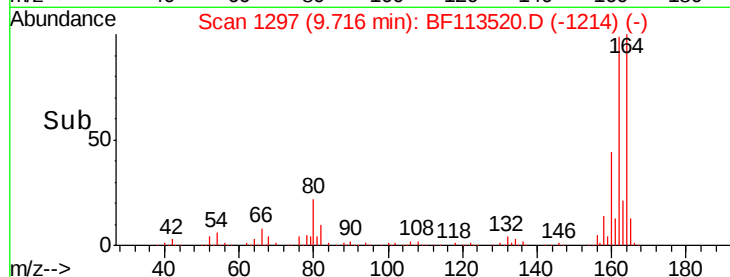
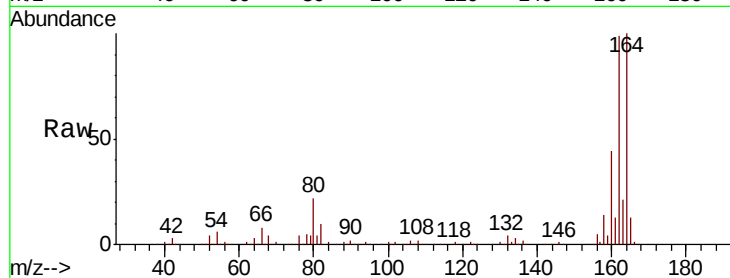
Tgt Ion:165 Resp: 29716

Ion Ratio Lower Upper

165 100

63 0.8 43.4 65.0#

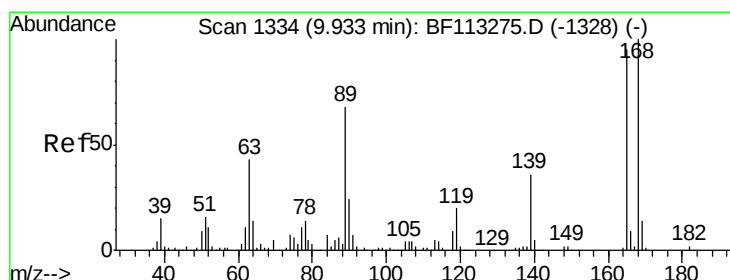
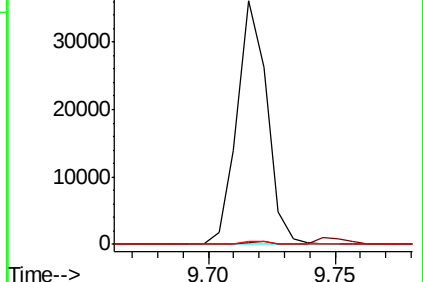
89 1.4 43.1 64.7#



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: 5.965 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.22 min

Lab File: BF113520.D

Acq: 2 Apr 2019 22:09

Tgt Ion:165 Resp: 29716

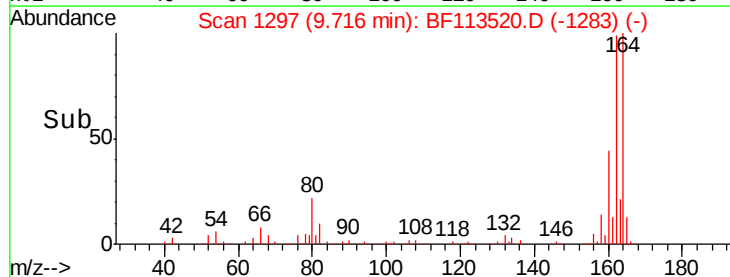
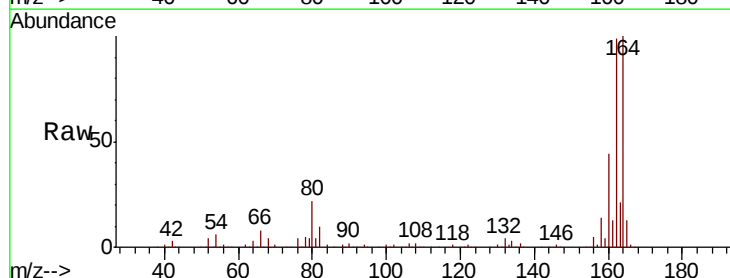
Ion Ratio Lower Upper

165 100

63 0.8 37.5 56.3#

89 1.4 57.4 86.2#

182 0.0 2.0 3.0#

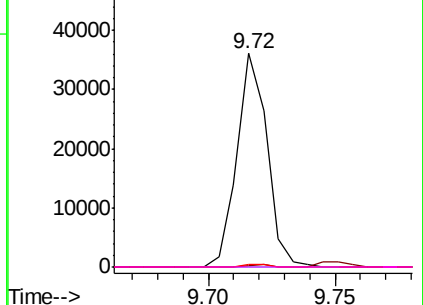


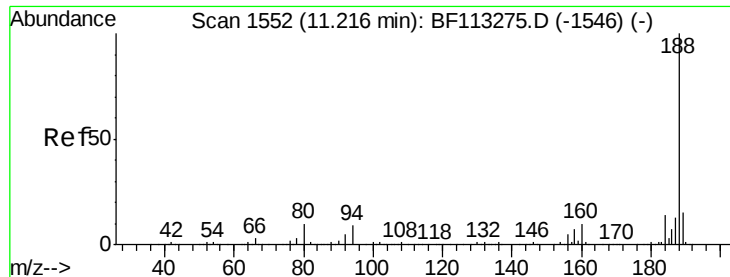
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.20 min Scan# 1549

Delta R.T. -0.02 min

Lab File: BF113520.D

Acq: 2 Apr 2019 22:09

Instrument :

BNA\_F

ClientSampleId :

S8A-S8B(12-16)COMP

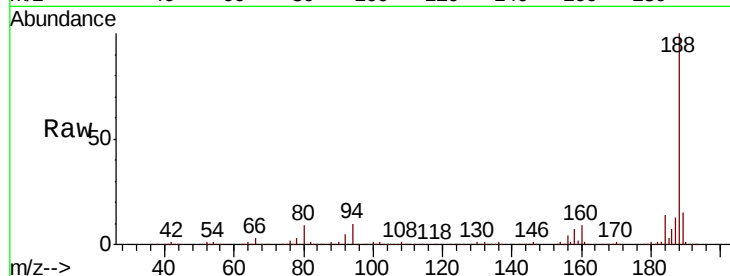
Tgt Ion:188 Resp: 416138

Ion Ratio Lower Upper

188 100

94 9.6 7.0 10.6

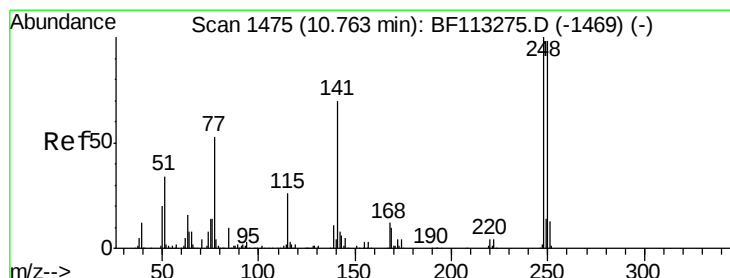
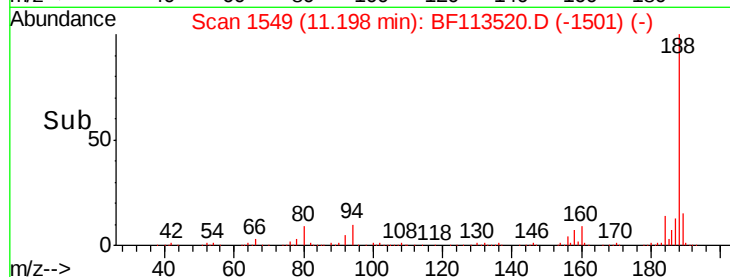
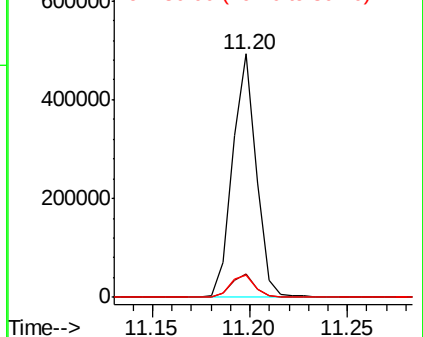
80 9.3 7.7 11.5



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



#67

4-Bromophenyl-phenylether

Concen: 3.299 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.26 min

Lab File: BF113520.D

Acq: 2 Apr 2019 22:09

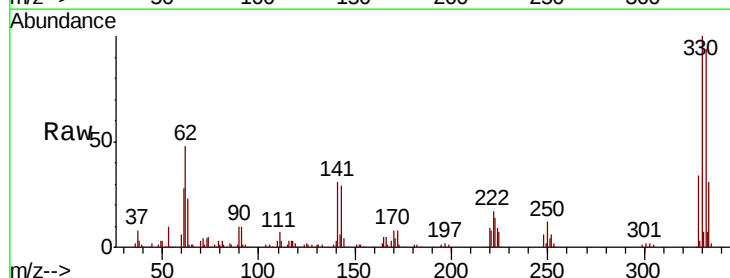
Tgt Ion:248 Resp: 14962

Ion Ratio Lower Upper

248 100

250 201.2 78.3 117.5#

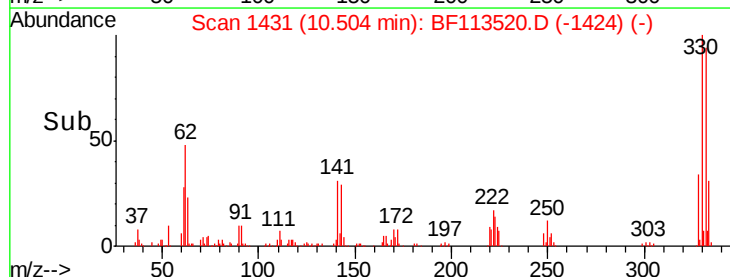
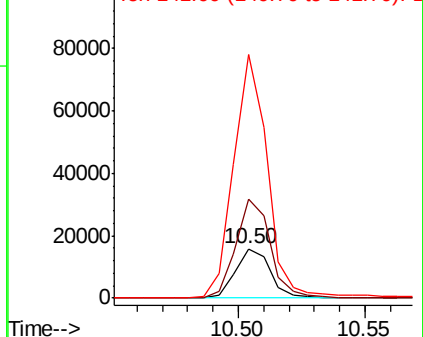
141 496.4 56.2 84.4#

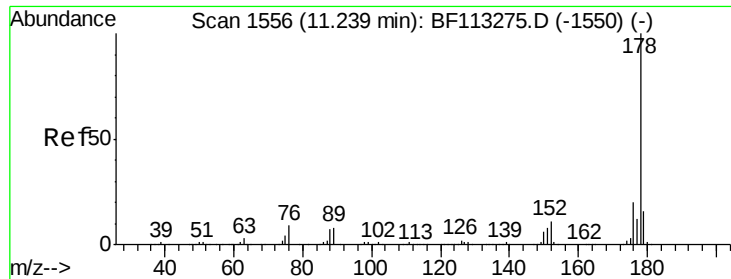


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

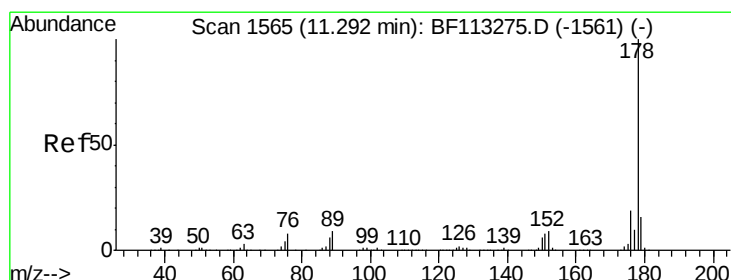
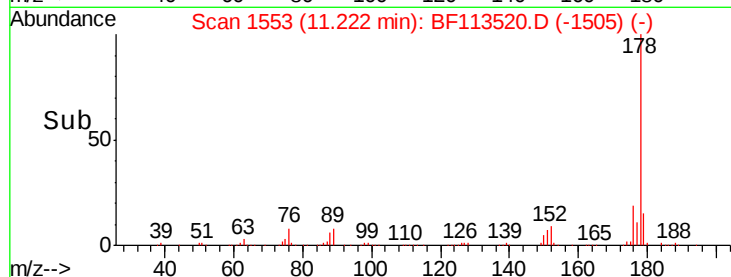
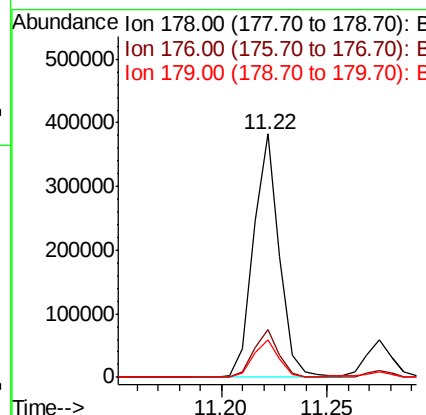
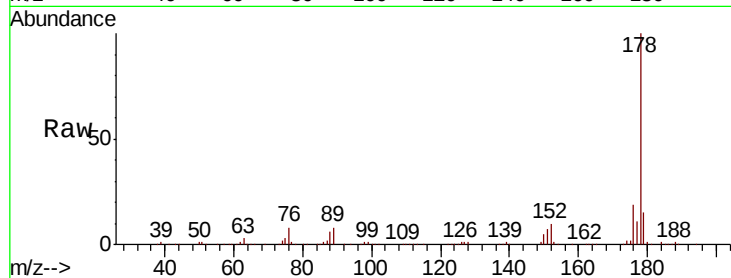




#71  
 Phenanthrene  
 Concen: 15.670 ng  
 RT: 11.22 min Scan# 1553  
 Delta R.T. -0.02 min  
 Lab File: BF113520.D  
 Acq: 2 Apr 2019 22:09

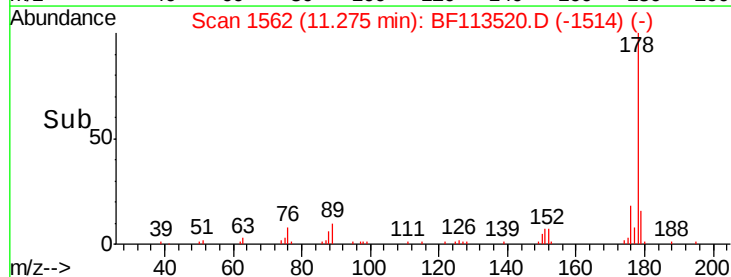
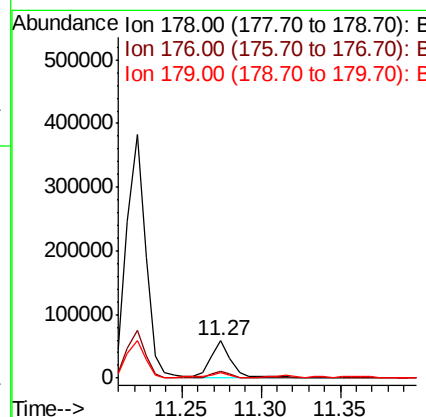
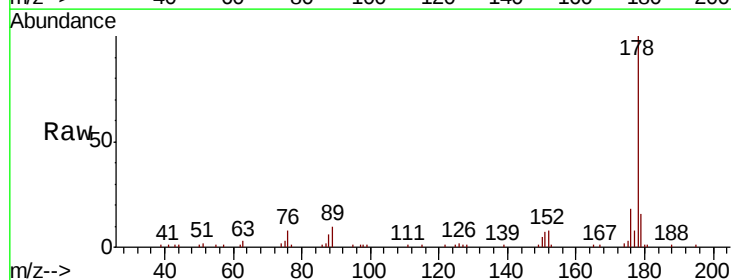
Instrument :  
 BNA\_F  
 ClientSampleId :  
 S8A-S8B(12-16)COMP

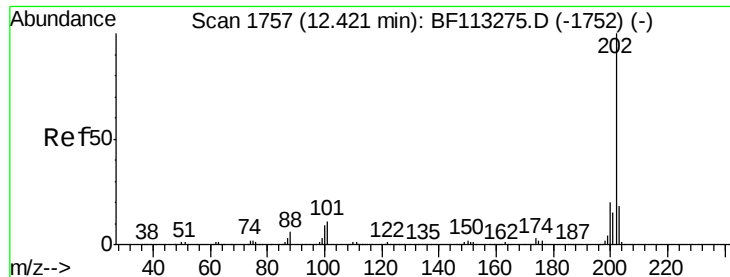
Tgt Ion:178 Resp: 323834  
 Ion Ratio Lower Upper  
 178 100  
 176 19.4 16.2 24.2  
 179 15.3 12.7 19.1



#72  
 Anthracene  
 Concen: 2.487 ng  
 RT: 11.27 min Scan# 1562  
 Delta R.T. -0.02 min  
 Lab File: BF113520.D  
 Acq: 2 Apr 2019 22:09

Tgt Ion:178 Resp: 52205  
 Ion Ratio Lower Upper  
 178 100  
 176 18.2 15.4 23.2  
 179 15.6 12.8 19.2





#75

Fluoranthene

Concen: 10.698 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.02 min

Lab File: BF113520.D

Acq: 2 Apr 2019 22:09

Instrument :

BNA\_F

ClientSampleId :

S8A-S8B(12-16)COMP

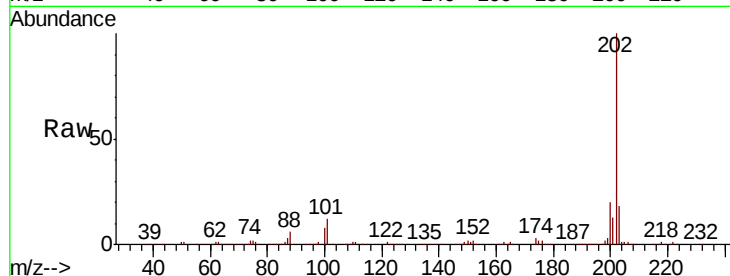
Tgt Ion:202 Resp: 249932

Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.4

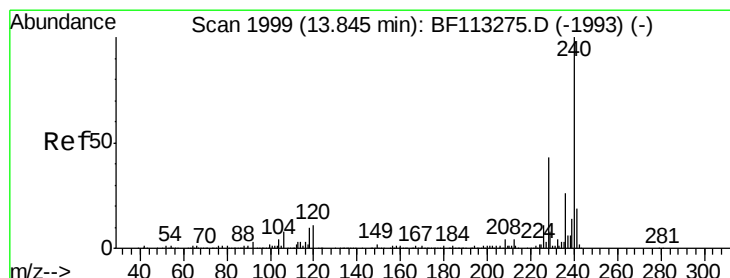
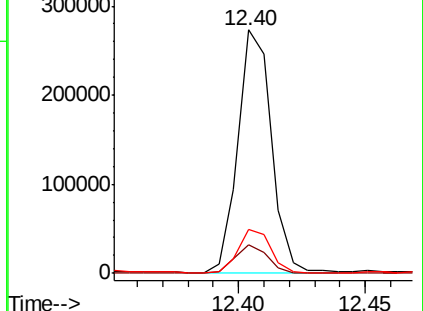
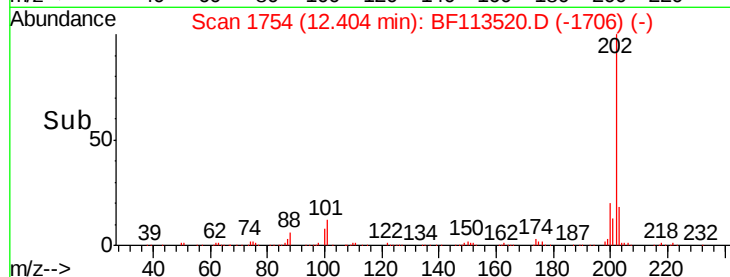
203 18.0 0.0 38.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF113520.D

Acq: 2 Apr 2019 22:09

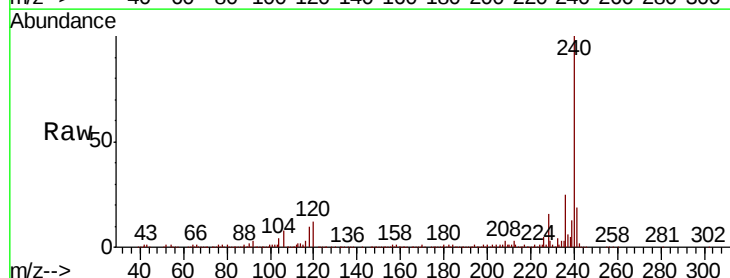
Tgt Ion:240 Resp: 319929

Ion Ratio Lower Upper

240 100

120 11.7 8.8 13.2

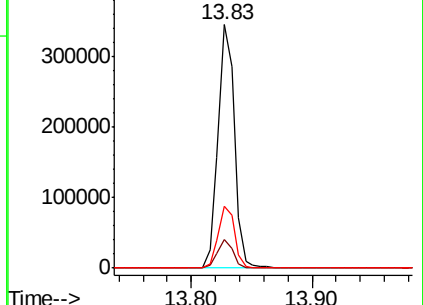
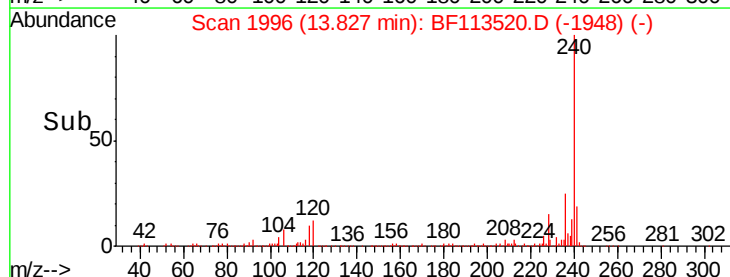
236 25.3 20.9 31.3

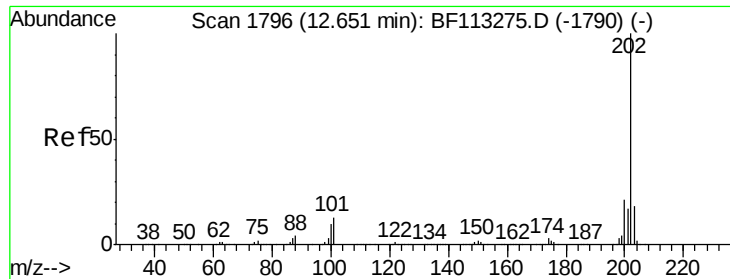


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

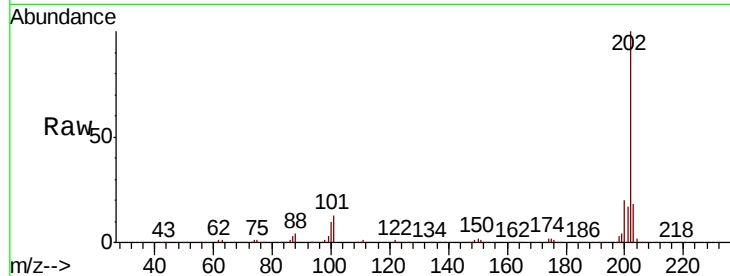




#78  
 Pyrene  
 Concen: 17.239 ng  
 RT: 12.63 min Scan# 1793  
 Delta R.T. -0.02 min  
 Lab File: BF113520.D  
 Acq: 2 Apr 2019 22:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S8A-S8B(12-16)COMP

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.1  | 16.8  | 25.2  |
| 203     | 17.9  | 14.4  | 21.6  |

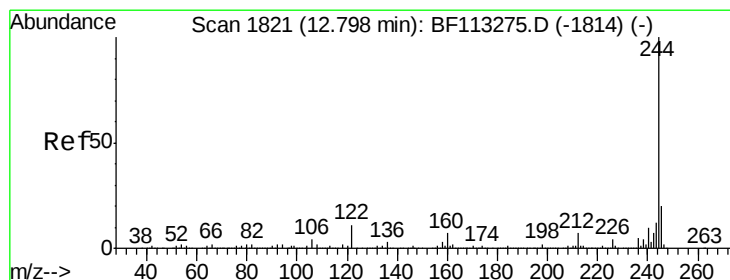
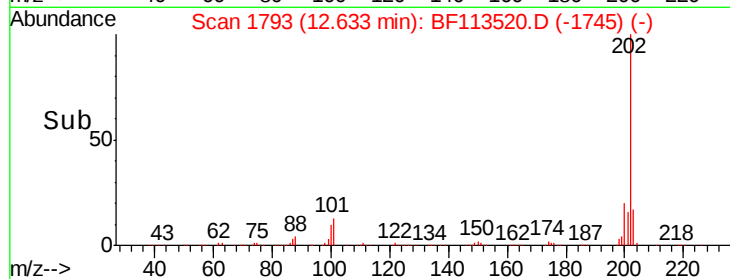
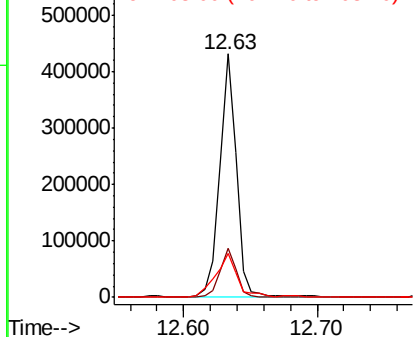


Abundance

Ion 202.00 (201.70 to 202.70): E

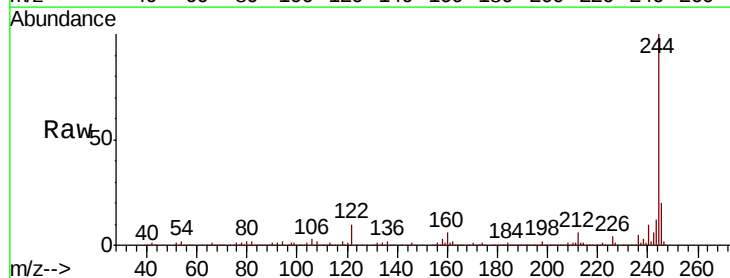
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79  
 Terphenyl-d14  
 Concen: 65.396 ng  
 RT: 12.78 min Scan# 1818  
 Delta R.T. -0.02 min  
 Lab File: BF113520.D  
 Acq: 2 Apr 2019 22:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.4   | 5.5   | 8.3   |
| 122     | 10.2  | 8.6   | 13.0  |

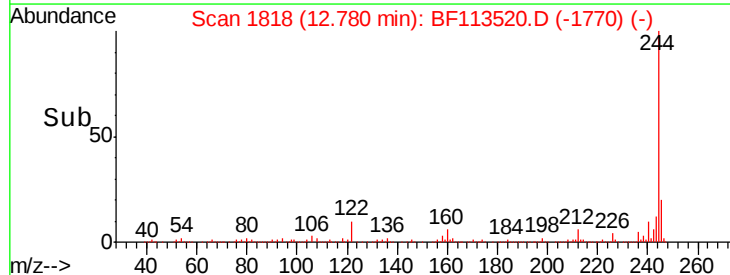
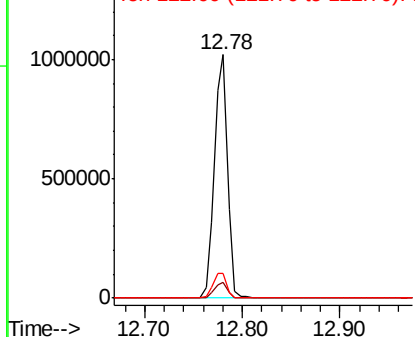


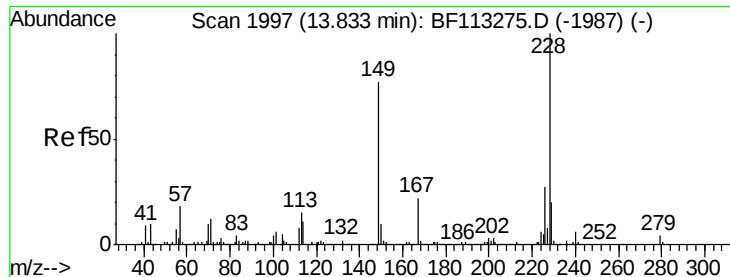
Abundance

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





#81

Benzo(a)anthracene

Concen: 7.689 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.02 min

Lab File: BF113520.D

Acq: 2 Apr 2019 22:09

Instrument :

BNA\_F

ClientSampleId :

S8A-S8B(12-16)COMP

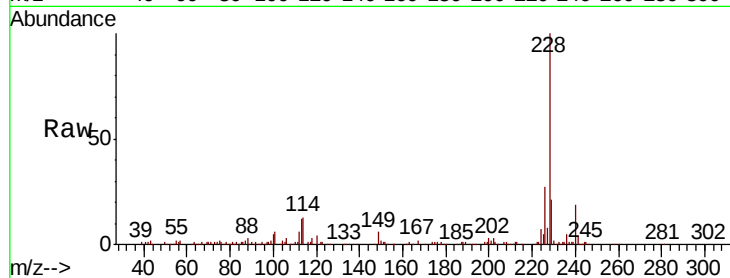
Tgt Ion:228 Resp: 140807

Ion Ratio Lower Upper

228 100

226 27.3 21.8 32.8

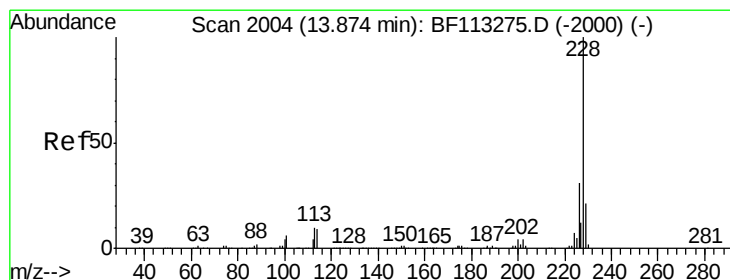
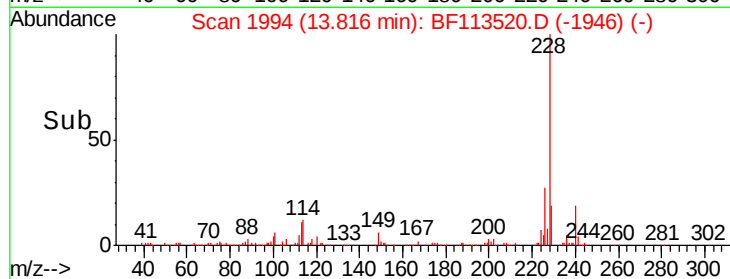
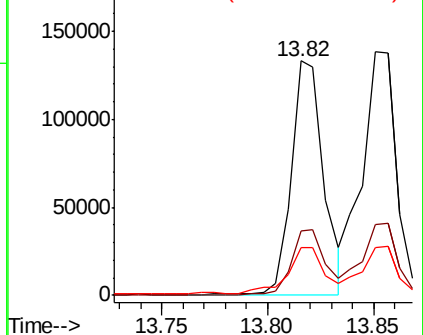
229 20.6 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 8.409 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.02 min

Lab File: BF113520.D

Acq: 2 Apr 2019 22:09

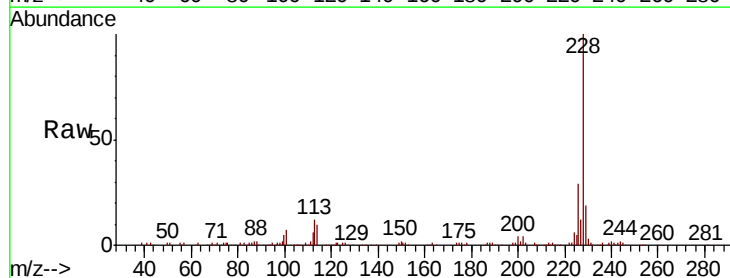
Tgt Ion:228 Resp: 156417

Ion Ratio Lower Upper

228 100

226 29.3 24.3 36.5

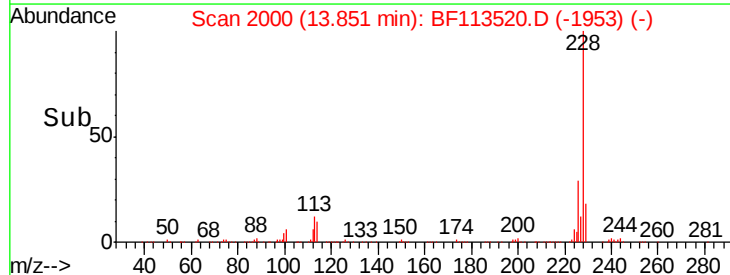
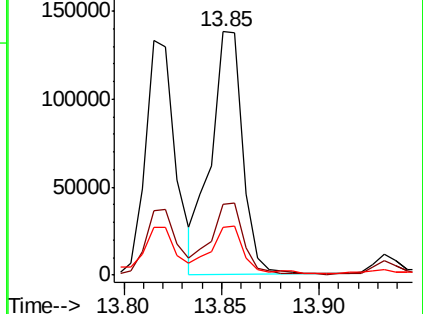
229 19.4 16.3 24.5

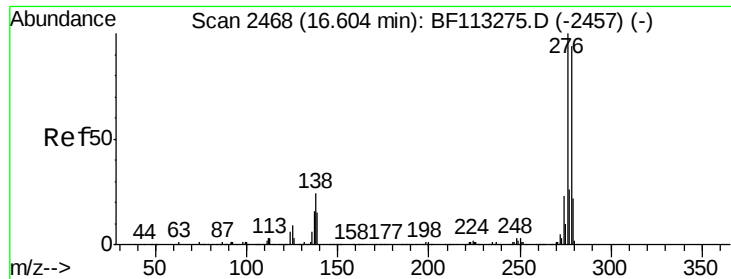


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

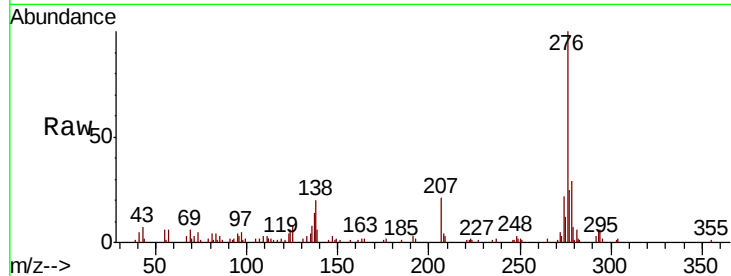




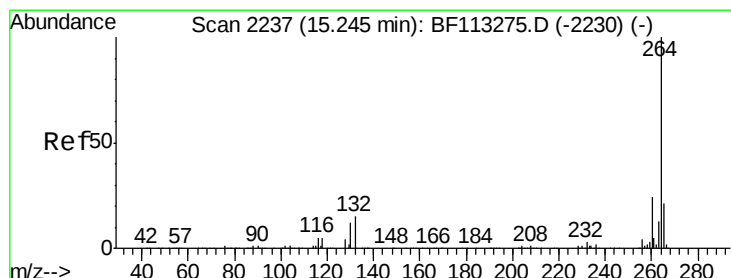
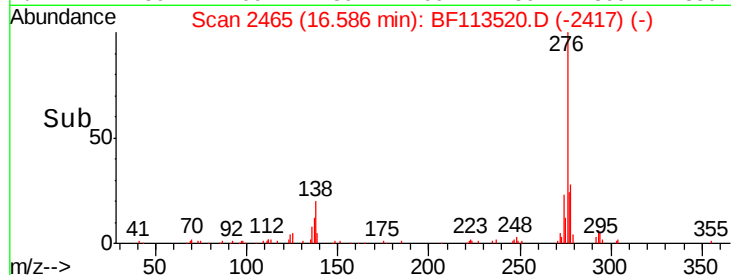
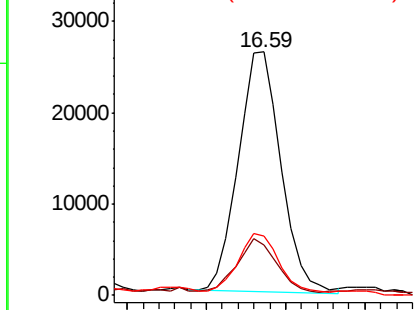
#86  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.083 ng  
 RT: 16.59 min Scan# 2465  
 Delta R.T. -0.02 min  
 Lab File: BF113520.D  
 Acq: 2 Apr 2019 22:09

Instrument :  
 BNA\_F  
 ClientSampleId :  
 S8A-S8B(12-16)COMP

Tgt Ion: 276 Resp: 49224  
 Ion Ratio Lower Upper  
 276 100  
 138 23.4 18.1 27.1  
 277 26.0 20.2 30.4

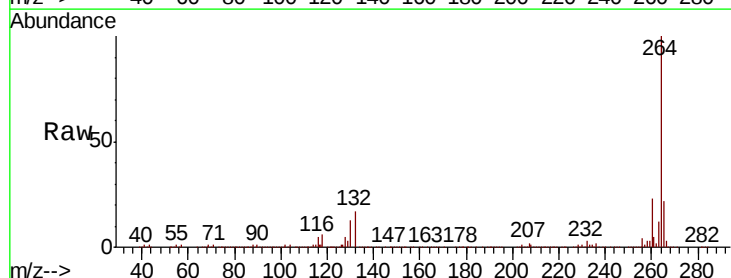


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

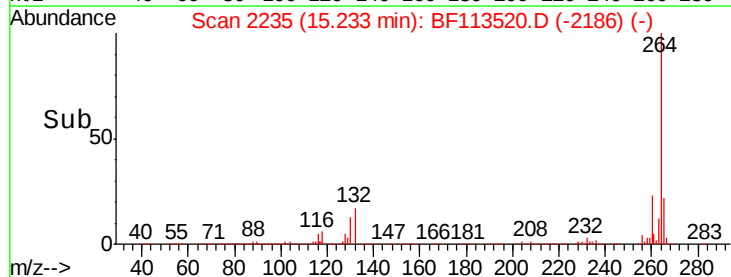
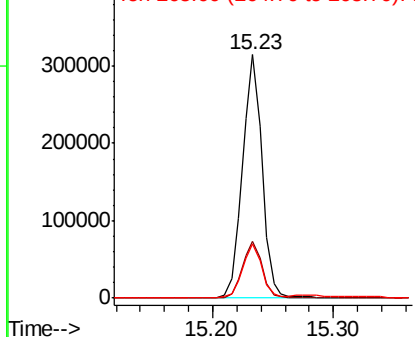


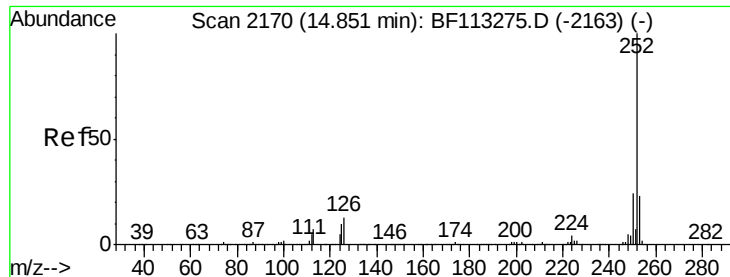
#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.23 min Scan# 2235  
 Delta R.T. -0.01 min  
 Lab File: BF113520.D  
 Acq: 2 Apr 2019 22:09

Tgt Ion: 264 Resp: 359047  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 19.1 28.7  
 265 22.3 17.1 25.7



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

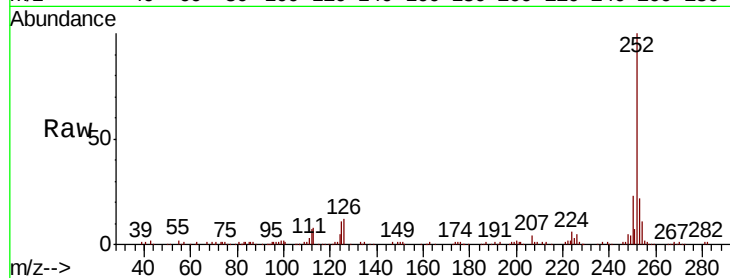




#88  
Benzo(b)fluoranthene  
Concen: 9.354 ng  
RT: 14.84 min Scan# 2168  
Delta R.T. -0.01 min  
Lab File: BF113520.D  
Acq: 2 Apr 2019 22:09

Instrument :  
BNA\_F  
ClientSampleId :  
S8A-S8B(12-16)COMP

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.6  | 18.0  | 27.0  |
| 125     | 11.1  | 7.6   | 11.4  |

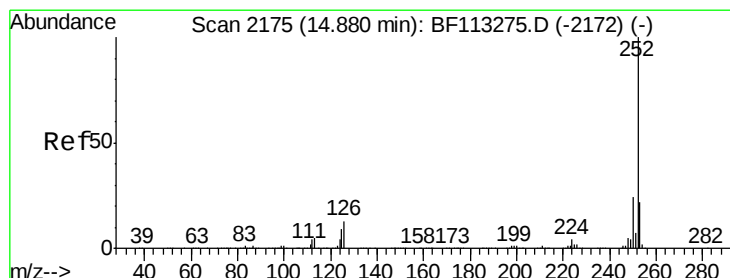
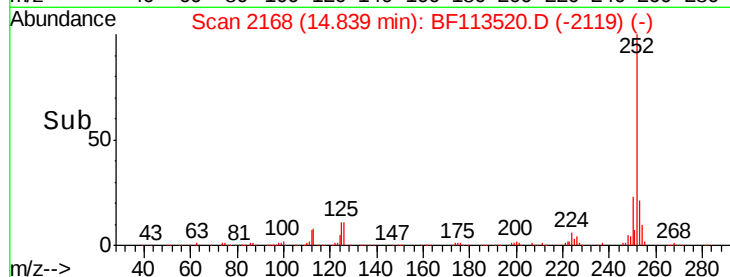
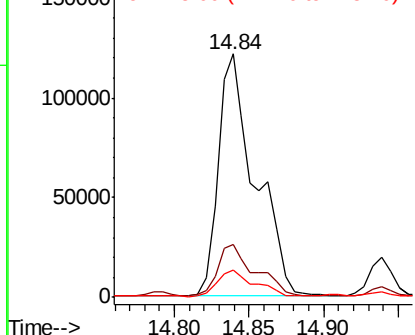


Abundance

Ion 252.00 (251.70 to 252.70): E

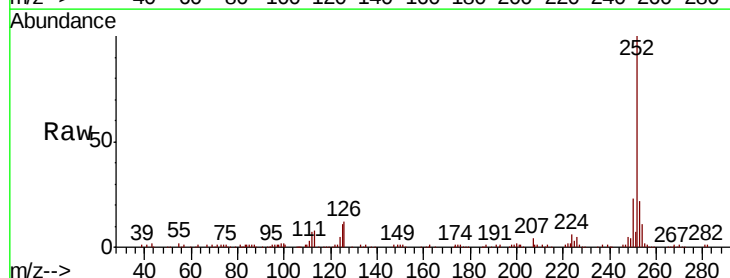
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89  
Benzo(k)fluoranthene  
Concen: 10.651 ng  
RT: 14.84 min Scan# 2168  
Delta R.T. -0.04 min  
Lab File: BF113520.D  
Acq: 2 Apr 2019 22:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.6  | 17.7  | 26.5  |
| 125     | 11.1  | 7.3   | 10.9# |

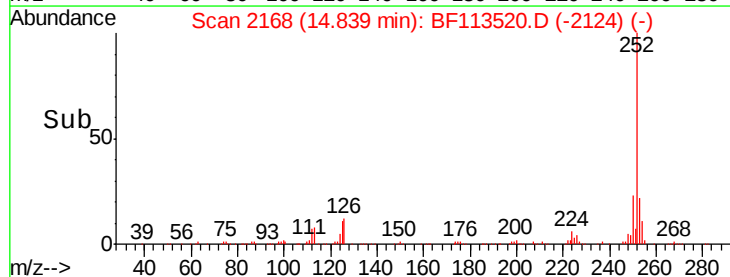
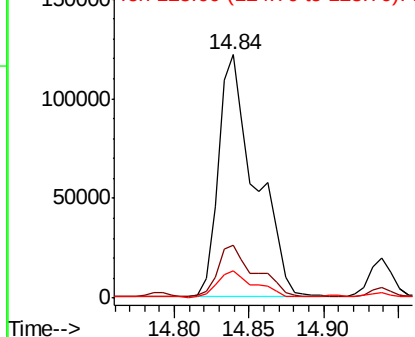


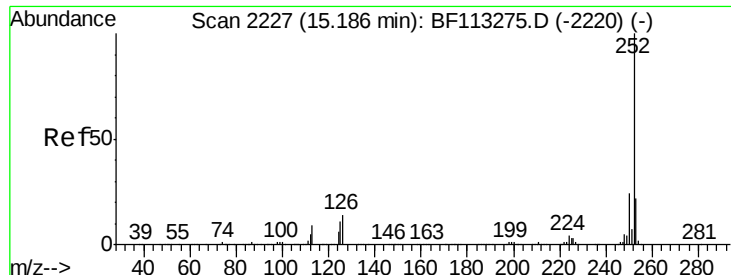
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 4.941 ng

RT: 15.17 min Scan# 2225

Delta R.T. -0.01 min

Lab File: BF113520.D

Acq: 2 Apr 2019 22:09

Instrument :

BNA\_F

ClientSampleId :

S8A-S8B(12-16)COMP

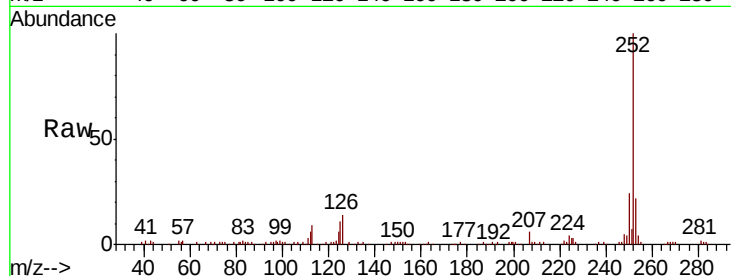
Tgt Ion:252 Resp: 97698

Ion Ratio Lower Upper

252 100

253 21.7 17.9 26.9

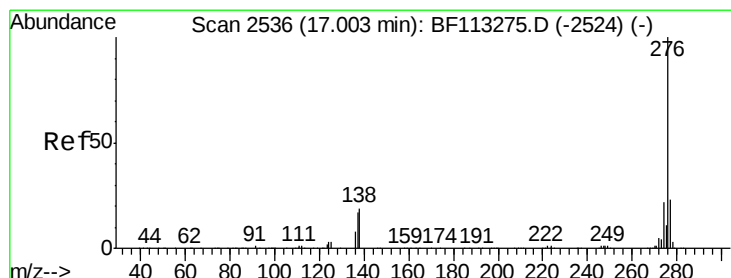
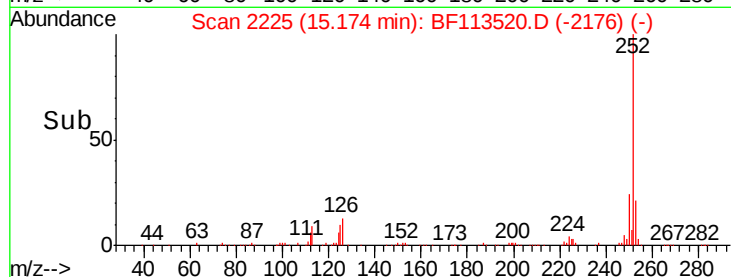
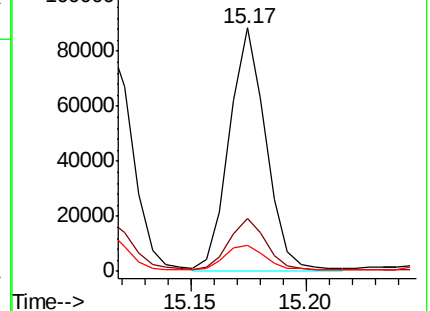
125 10.9 8.8 13.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 2.873 ng

RT: 16.99 min Scan# 2533

Delta R.T. -0.02 min

Lab File: BF113520.D

Acq: 2 Apr 2019 22:09

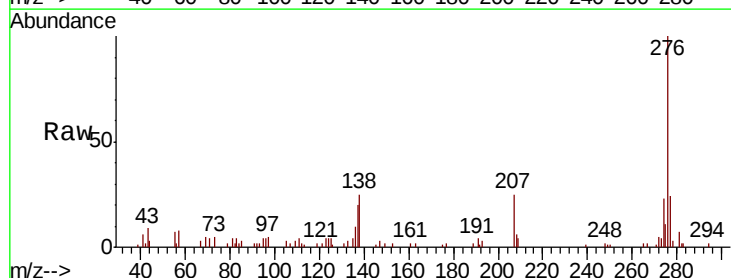
Tgt Ion:276 Resp: 49522

Ion Ratio Lower Upper

276 100

277 23.6 18.8 28.2

138 25.4 15.6 23.4#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

