

Data File : BF115333.D  
Acq On : 1 Jul 2019 12:34  
Operator : HP/JU  
Sample : PB121019BS  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB121019BS

Quant Time: Jul 02 08:16:27 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF062119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 28 05:26:43 2019  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.61  | 152  | 258027   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.89  | 136  | 995948   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.64  | 164  | 498444   | 20.00 | ng    | 0.01     |
| 64) Phenanthrene-d10      | 11.11 | 188  | 987970   | 20.00 | ng    | 0.02     |
| 76) Chrysene-d12          | 13.74 | 240  | 615366   | 20.00 | ng    | 0.02     |
| 87) Perylene-d12          | 15.11 | 264  | 785298   | 20.00 | ng    | 0.03     |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.22  | 112 | 1898811 | 113.56 | ng | 0.03 |
| 7) Phenol-d6                | 6.25  | 99  | 2345127 | 115.55 | ng | 0.02 |
| 23) Nitrobenzene-d5         | 7.17  | 82  | 1495843 | 92.39  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 10.42 | 330 | 724160  | 137.77 | ng | 0.02 |
| 45) 2-Fluorobiphenyl        | 8.97  | 172 | 2772861 | 94.49  | ng | 0.00 |
| 79) Terphenyl-d14           | 12.69 | 244 | 2984338 | 103.11 | ng | 0.01 |

|                                |      |     |         |           |        |
|--------------------------------|------|-----|---------|-----------|--------|
| Target Compounds               |      |     |         |           | Qvalue |
| 2) 1,4-Dioxane                 | 2.25 | 88  | 250961  | 31.802 ng | 99     |
| 3) Pyridine                    | 2.90 | 79  | 740486  | 33.293 ng | 96     |
| 4) n-Nitrosodimethylamine      | 2.85 | 42  | 321431  | 36.864 ng | 98     |
| 6) Aniline                     | 6.27 | 93  | 660415  | 23.677 ng | # 1    |
| 8) 2-Chlorophenol              | 6.40 | 128 | 787719  | 41.897 ng | 97     |
| 9) Benzaldehyde                | 6.14 | 77  | 134972  | 10.194 ng | 99     |
| 10) Phenol                     | 6.27 | 94  | 892617  | 37.548 ng | 88     |
| 11) bis(2-Chloroethyl)ether    | 6.35 | 93  | 716874  | 40.909 ng | 99     |
| 12) 1,3-Dichlorobenzene        | 6.55 | 146 | 839711  | 40.243 ng | 99     |
| 13) 1,4-Dichlorobenzene        | 6.62 | 146 | 853628  | 40.797 ng | 99     |
| 14) 1,2-Dichlorobenzene        | 6.78 | 146 | 789626  | 40.751 ng | 98     |
| 15) Benzyl Alcohol             | 6.75 | 79  | 586183  | 39.666 ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 6.89 | 45  | 1025953 | 40.366 ng | 96     |
| 17) 2-Methylphenol             | 6.87 | 107 | 678935  | 43.748 ng | 98     |
| 18) Hexachloroethane           | 7.12 | 117 | 309685  | 41.054 ng | 100    |
| 19) n-Nitroso-di-n-propylamine | 7.03 | 70  | 504656  | 38.841 ng | 97     |
| 20) 3+4-Methylphenols          | 7.03 | 107 | 772786  | 43.125 ng | # 76   |
| 22) Acetophenone               | 7.02 | 105 | 1056826 | 46.351 ng | # 96   |
| 24) Nitrobenzene               | 7.19 | 77  | 798935  | 44.792 ng | 99     |
| 25) Isophorone                 | 7.44 | 82  | 1485902 | 44.802 ng | 99     |
| 26) 2-Nitrophenol              | 7.51 | 139 | 454587  | 51.608 ng | 99     |
| 27) 2,4-Dimethylphenol         | 7.55 | 122 | 722563  | 50.102 ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 7.65 | 93  | 932893  | 44.503 ng | 99     |
| 29) 2,4-Dichlorophenol         | 7.75 | 162 | 710608  | 47.745 ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 7.83 | 180 | 759970  | 46.227 ng | 99     |
| 31) Naphthalene                | 7.91 | 128 | 2226209 | 45.536 ng | 99     |
| 32) Benzoic acid               | 7.70 | 122 | 537042  | 52.167 ng | 97     |
| 33) 4-Chloroaniline            | 7.95 | 127 | 433601  | 19.406 ng | 99     |
| 34) Hexachlorobutadiene        | 8.04 | 225 | 409762  | 45.483 ng | 99     |
| 35) Caprolactam                | 8.34 | 113 | 142883  | 28.554 ng | 99     |
| 36) 4-Chloro-3-methylphenol    | 8.45 | 107 | 715316  | 47.458 ng | 98     |
| 37) 2-Methylnaphthalene        | 8.60 | 142 | 1525224 | 46.270 ng | 97     |
| 38) 1-Methylnaphthalene        | 8.70 | 142 | 1463410 | 46.484 ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.77 | 216 | 669923  | 47.562 ng | 100    |

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|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.76  | 237  | 734928   | 87.994  | ng    | 99       |
| 43) 2,4,6-Trichlorophenol      | 8.88  | 196  | 526021   | 48.373  | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 8.92  | 196  | 548565   | 48.986  | ng    | 99       |
| 46) 1,1'-Biphenyl              | 9.07  | 154  | 1792624  | 44.948  | ng    | 99       |
| 47) 2-Chloronaphthalene        | 9.09  | 162  | 1449871  | 44.817  | ng    | 100      |
| 48) 2-Nitroaniline             | 9.18  | 65   | 435590   | 46.184  | ng    | 90       |
| 49) Acenaphthylene             | 9.50  | 152  | 2263038  | 44.898  | ng    | 99       |
| 50) Dimethylphthalate          | 9.37  | 163  | 1739028  | 47.422  | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.43  | 165  | 409914   | 48.417  | ng    | # 87     |
| 52) Acenaphthene               | 9.67  | 154  | 1310193  | 41.541  | ng    | 98       |
| 53) 3-Nitroaniline             | 9.59  | 138  | 274295   | 26.549  | ng    | 98       |
| 54) 2,4-Dinitrophenol          | 9.71  | 184  | 454667   | 102.128 | ng    | 98       |
| 55) Dibenzofuran               | 9.84  | 168  | 1956091  | 43.211  | ng    | 98       |
| 56) 4-Nitrophenol              | 9.77  | 139  | 735729   | 88.825  | ng    | 91       |
| 57) 2,4-Dinitrotoluene         | 9.83  | 165  | 532889   | 48.747  | ng    | # 91     |
| 58) Fluorene                   | 10.18 | 166  | 1394361  | 46.480  | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 9.97  | 232  | 473706   | 50.447  | ng    | 98       |
| 60) Diethylphthalate           | 10.07 | 149  | 1689163  | 45.823  | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.18 | 204  | 682527   | 48.126  | ng    | 97       |
| 62) 4-Nitroaniline             | 10.21 | 138  | 452324   | 43.641  | ng    | 99       |
| 63) Azobenzene                 | 10.34 | 77   | 1518587  | 44.105  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 10.24 | 198  | 272269   | 51.401  | ng    | 94       |
| 66) n-Nitrosodiphenylamine     | 10.30 | 169  | 1410731  | 45.833  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.67 | 248  | 495487   | 46.257  | ng    | 94       |
| 68) Hexachlorobenzene          | 10.73 | 284  | 541605   | 46.582  | ng    | 95       |
| 69) Atrazine                   | 10.83 | 200  | 468134   | 47.280  | ng    | 99       |
| 70) Pentachlorophenol          | 10.92 | 266  | 652600   | 88.105  | ng    | 98       |
| 71) Phenanthrene               | 11.14 | 178  | 2263038  | 42.543  | ng    | 99       |
| 72) Anthracene                 | 11.19 | 178  | 2289137  | 42.632  | ng    | 98       |
| 73) Carbazole                  | 11.34 | 167  | 2141273  | 44.658  | ng    | 98       |
| 74) Di-n-butylphthalate        | 11.68 | 149  | 2503812  | 45.190  | ng    | 98       |
| 75) Fluoranthene               | 12.32 | 202  | 2379220  | 44.829  | ng    | 98       |
| 77) Benzidine                  | 12.44 | 184  | 712164   | 26.063  | ng    | 99       |
| 78) Pyrene                     | 12.54 | 202  | 2385012  | 50.432  | ng    | 98       |
| 80) Butylbenzylphthalate       | 13.17 | 149  | 1162655  | 55.709  | ng    | 95       |
| 81) Benzo(a)anthracene         | 13.72 | 228  | 2182038  | 49.418  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 13.69 | 252  | 601808   | 37.743  | ng    | 98       |
| 83) Chrysene                   | 13.77 | 228  | 2108733  | 52.136  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 13.74 | 149  | 1399088  | 51.162  | ng    | 100      |
| 85) Di-n-octyl phthalate       | 14.35 | 149  | 2491061  | 54.216  | ng    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 16.40 | 276  | 2555968  | 53.405  | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 14.74 | 252  | 2422175  | 49.432  | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 14.77 | 252  | 1998485  | 45.479  | ng    | 97       |
| 90) Benzo(a)pyrene             | 15.07 | 252  | 2194427  | 49.687  | ng    | 98       |
| 91) Dibenzo(a,h)anthracene     | 16.42 | 278  | 2050898  | 49.742  | ng    | 97       |
| 92) Benzo(g,h,i)perylene       | 16.79 | 276  | 2189805  | 52.475  | ng    | 98       |

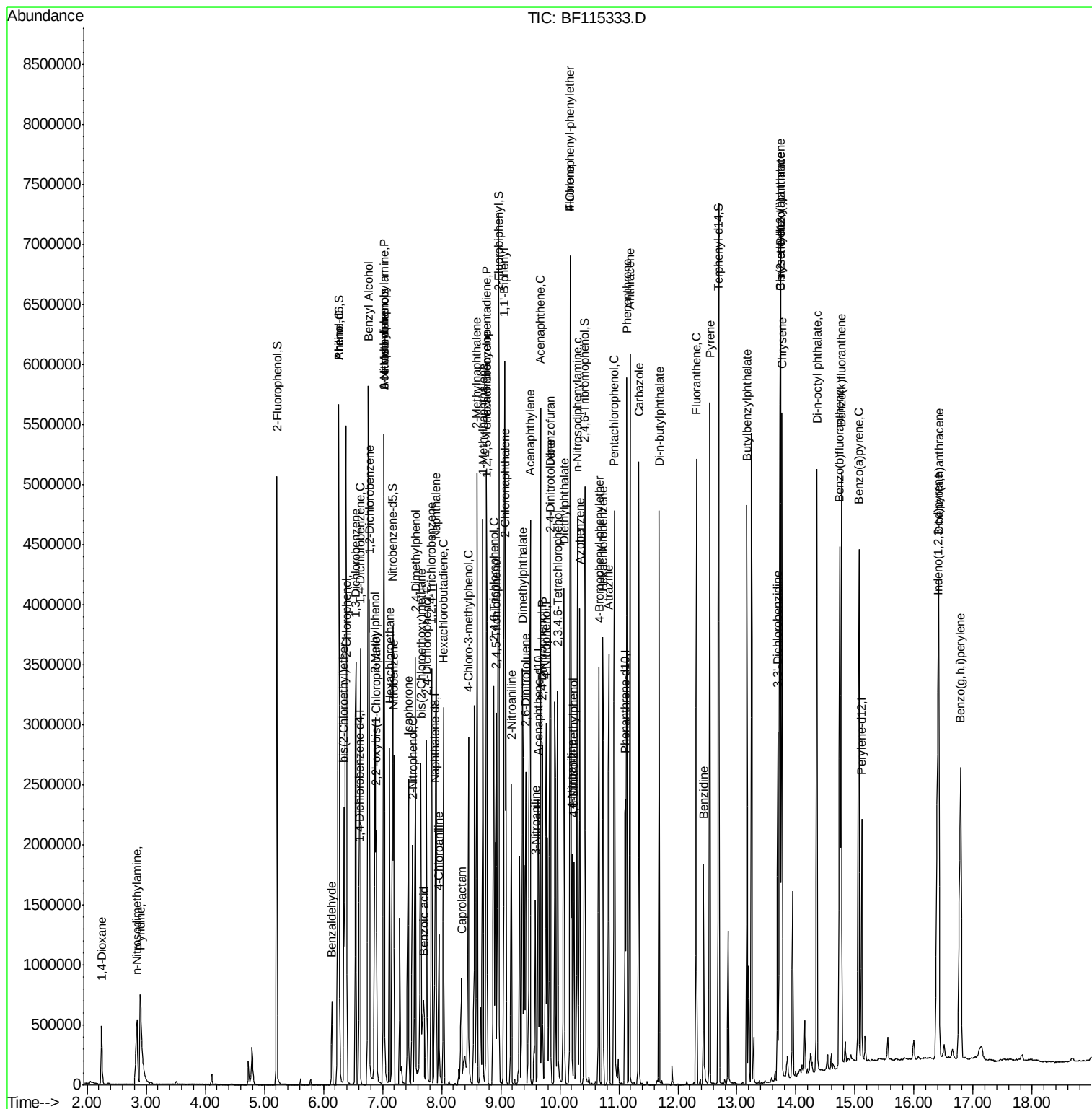
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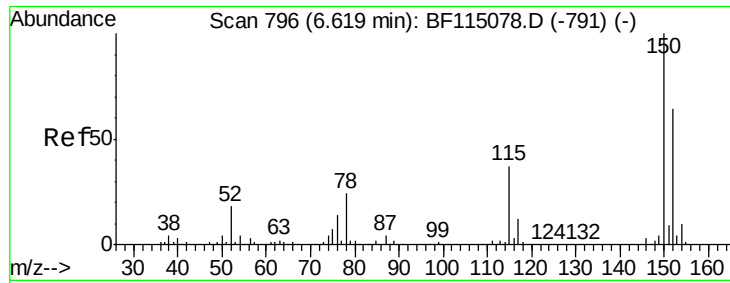
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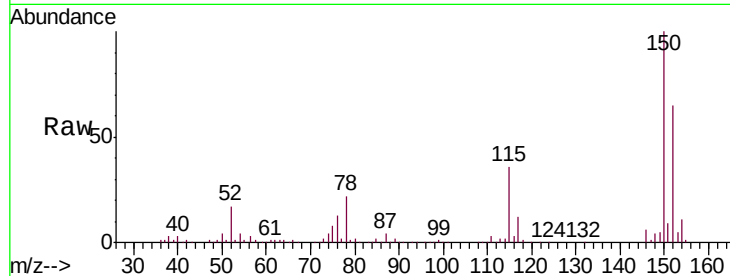




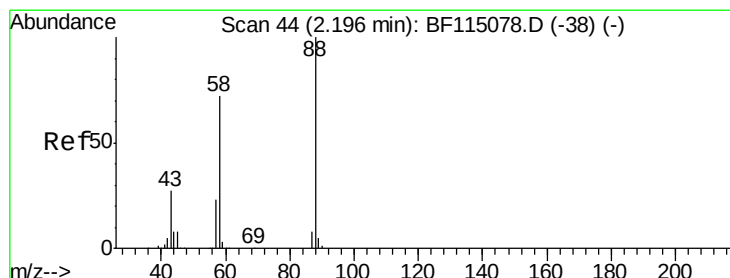
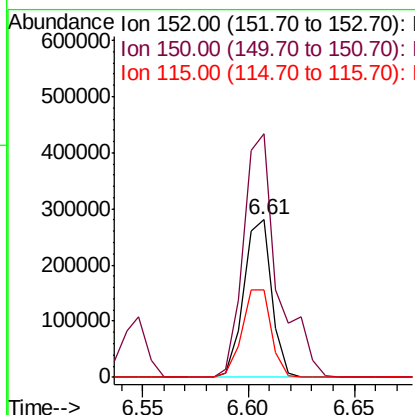
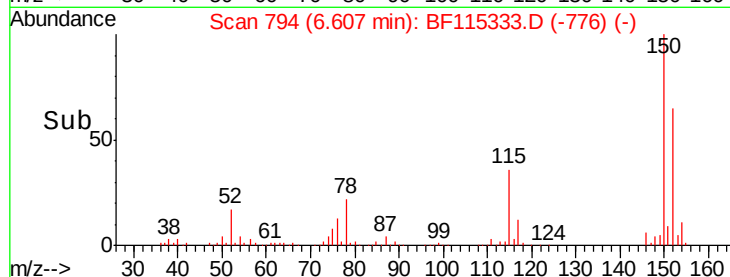
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.61 min Scan# 794  
 Delta R.T. 0.01 min  
 Lab File: BF115333.D  
 Acq: 1 Jul 2019 12:34

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Tgt Ion: 152 Resp: 258027  
 Ion Ratio Lower Upper  
 152 100  
 150 154.5 124.2 186.2  
 115 55.6 46.1 69.1

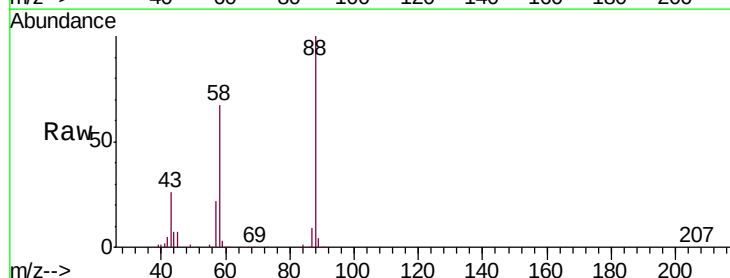


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

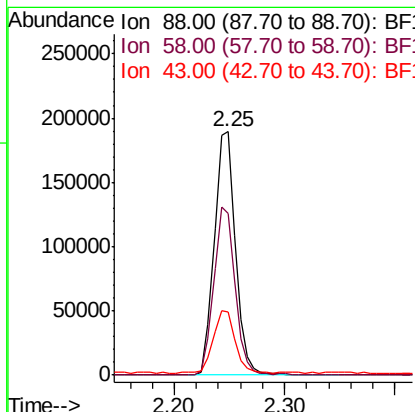
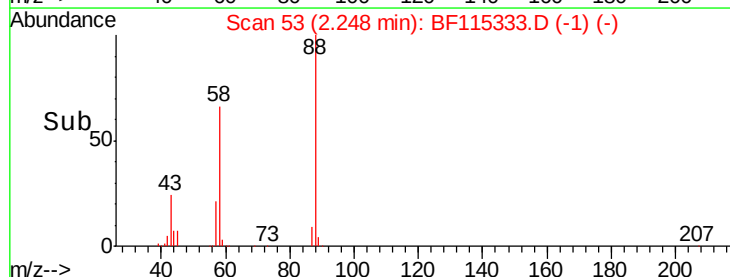


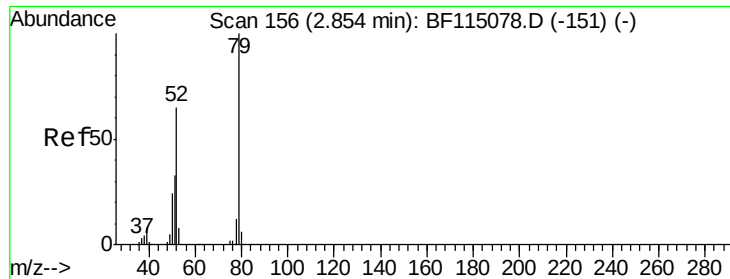
#2  
 1,4-Dioxane  
 Concen: 31.802 ng  
 RT: 2.25 min Scan# 53  
 Delta R.T. 0.09 min  
 Lab File: BF115333.D  
 Acq: 1 Jul 2019 12:34

Tgt Ion: 88 Resp: 250961  
 Ion Ratio Lower Upper  
 88 100  
 58 68.9 56.1 84.1  
 43 26.0 21.3 31.9



Abundance Ion 88.00 (87.70 to 88.70): BF1  
 Ion 58.00 (57.70 to 58.70): BF1  
 Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 33.293 ng

RT: 2.90 min Scan# 164

Delta R.T. 0.10 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

Instrument :

BNA\_F

ClientSampleId :

PB121019BS

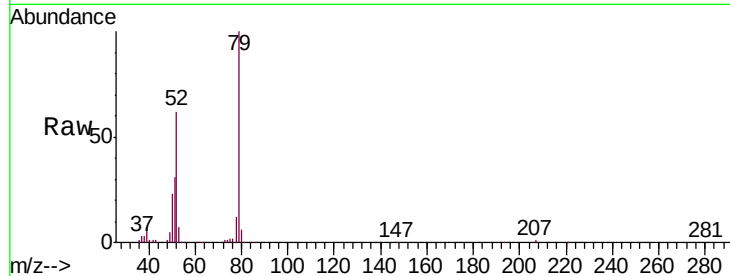
Tgt Ion: 79 Resp: 740486

Ion Ratio Lower Upper

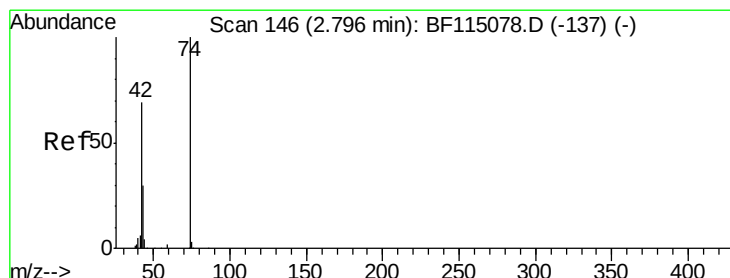
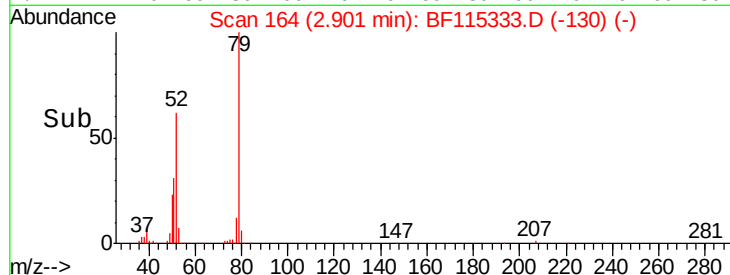
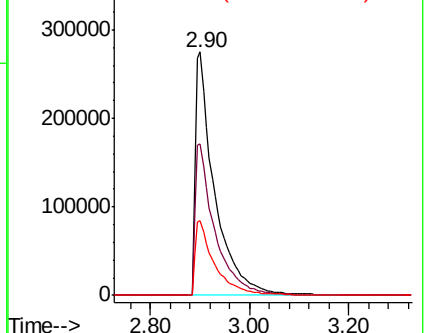
79 100

52 62.3 52.3 78.5

51 30.7 26.1 39.1



Abundance Ion 79.00 (78.70 to 79.70): BF1  
Ion 52.00 (51.70 to 52.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 36.864 ng

RT: 2.85 min Scan# 155

Delta R.T. 0.10 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

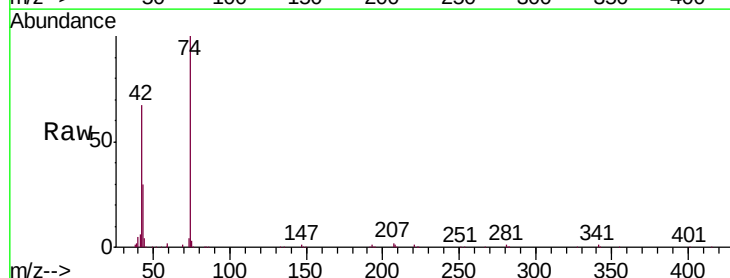
Tgt Ion: 42 Resp: 321431

Ion Ratio Lower Upper

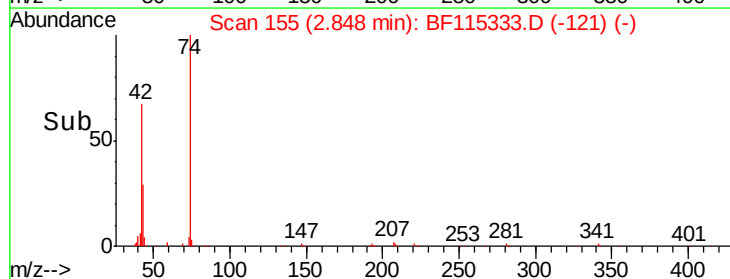
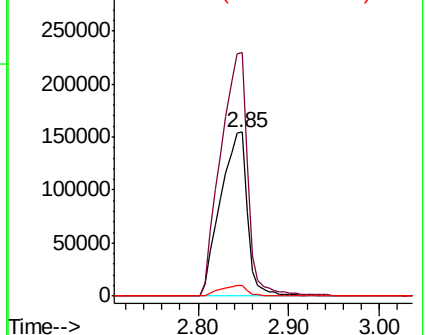
42 100

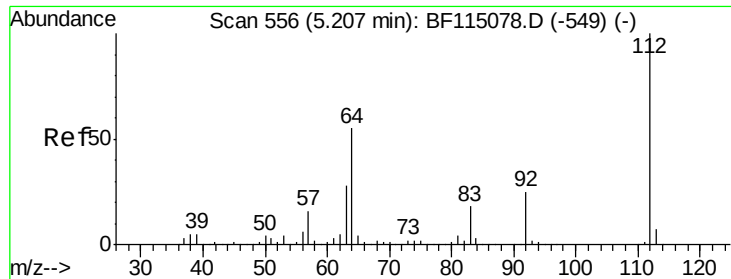
74 148.7 116.6 175.0

44 6.3 5.3 7.9



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





#5

2-Fluorophenol

Concen: 113.561 ng

RT: 5.22 min Scan# 558

Delta R.T. 0.03 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

Instrument :

BNA\_F

ClientSampleId :

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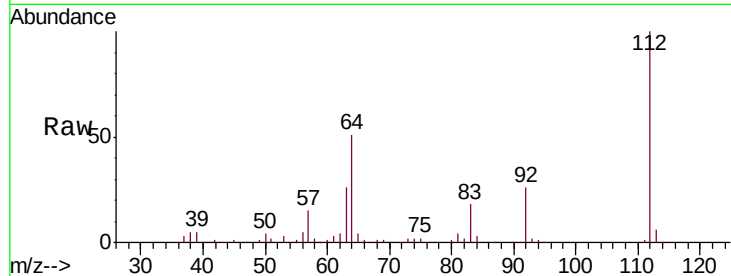
Tgt Ion: 112 Resp: 1898811

Ion Ratio Lower Upper

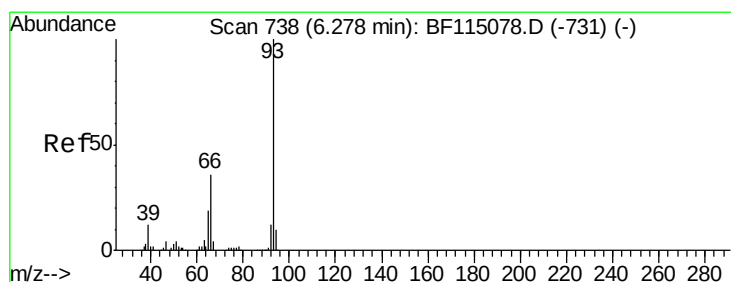
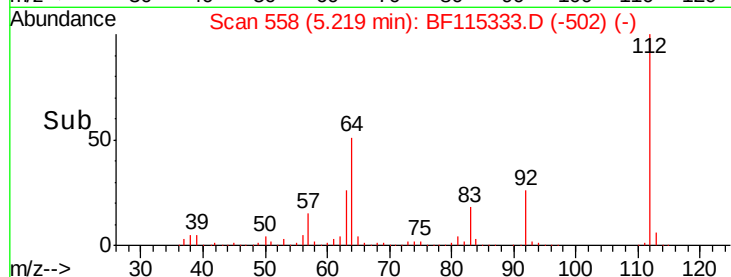
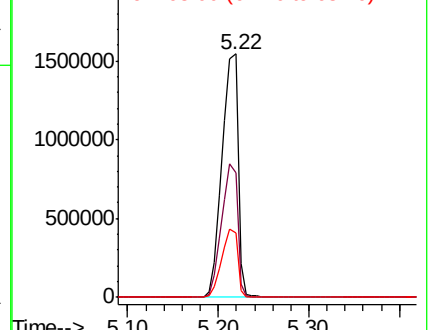
112 100

64 51.2 43.8 65.6

63 26.4 22.2 33.4



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



#6

Aniline

Concen: 23.677 ng

RT: 6.27 min Scan# 736

Delta R.T. 0.01 min

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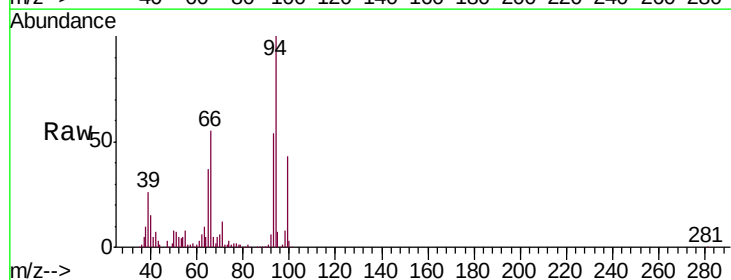
Tgt Ion: 93 Resp: 660415

Ion Ratio Lower Upper

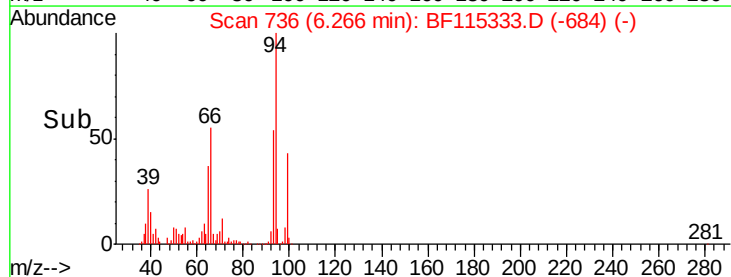
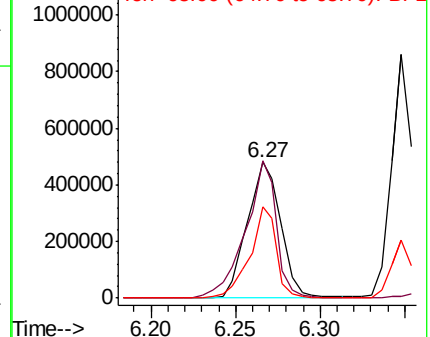
93 100

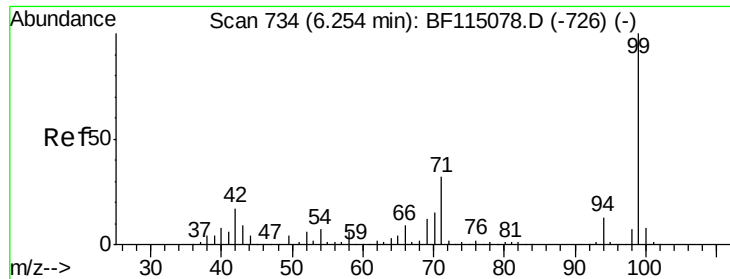
66 101.6 30.0 45.0#

65 67.1 15.6 23.4#



Abundance Ion 93.00 (92.70 to 93.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 115.554 ng

RT: 6.25 min Scan# 734

Delta R.T. 0.02 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

Instrument :

BNA\_F

ClientSampleId :

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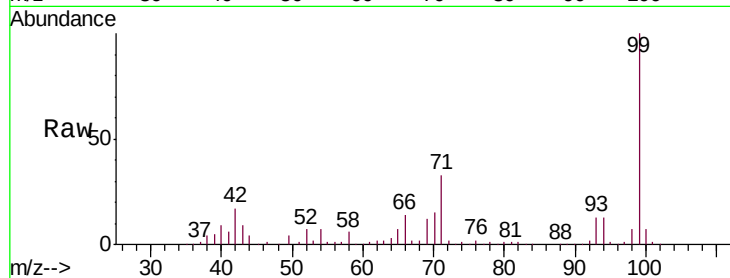
Tgt Ion: 99 Resp: 2345127

Ion Ratio Lower Upper

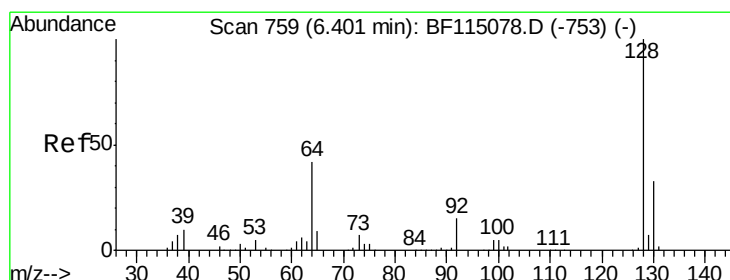
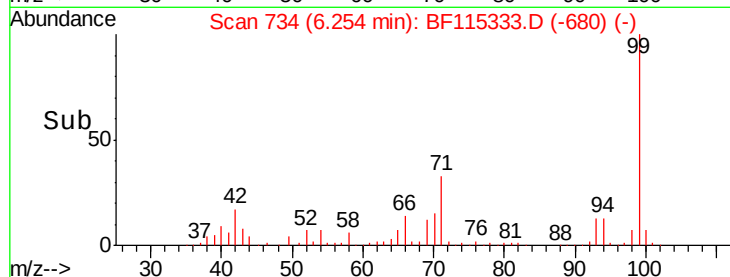
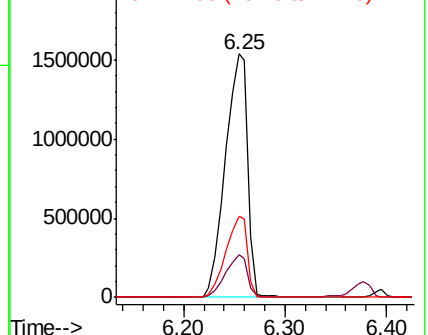
99 100

42 17.5 13.6 20.4

71 33.4 25.5 38.3



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



#8

2-Chlorophenol

Concen: 41.897 ng

RT: 6.40 min Scan# 759

Delta R.T. 0.01 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

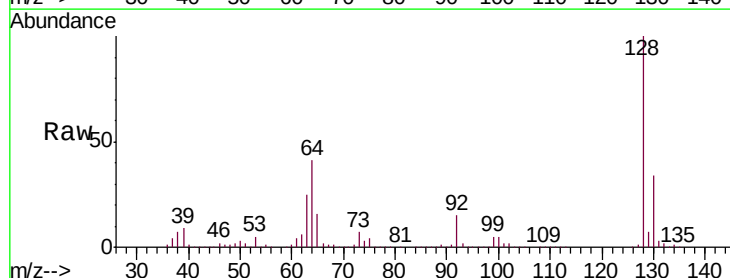
Tgt Ion: 128 Resp: 787719

Ion Ratio Lower Upper

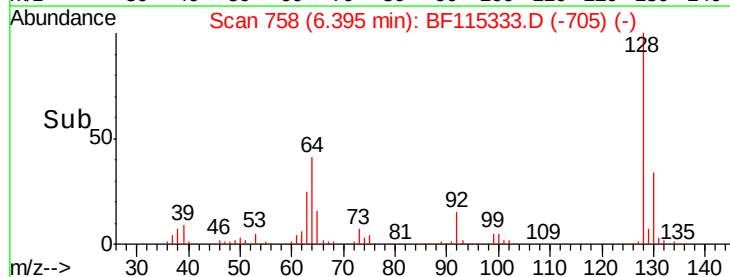
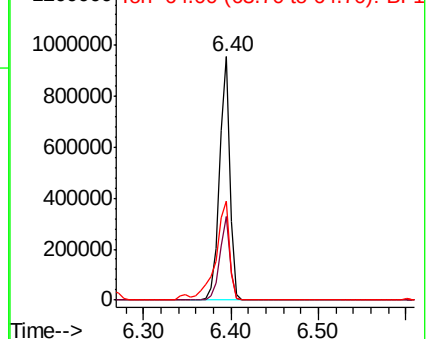
128 100

130 34.3 12.9 52.9

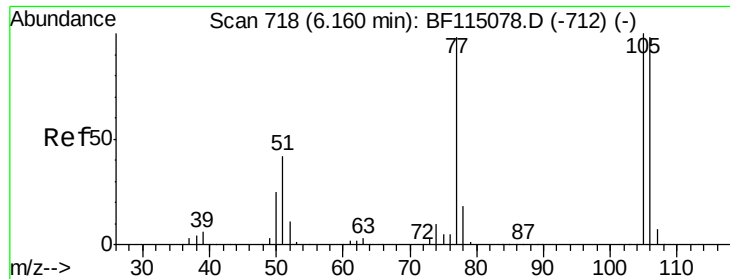
64 40.9 22.9 62.9



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 64.00 (63.70 to 64.70): BF1







#9

Benzaldehyde

Concen: 10.194 ng

RT: 6.14 min Scan# 715

Delta R.T. 0.00 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

Instrument :

BNA\_F

ClientSampleId :

PB121019BS

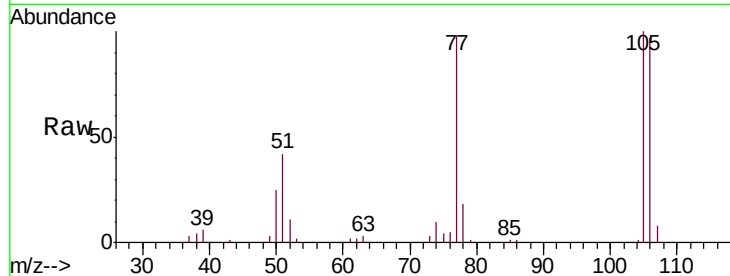
Tgt Ion: 77 Resp: 134972

Ion Ratio Lower Upper

77 100

105 102.3 81.5 121.5

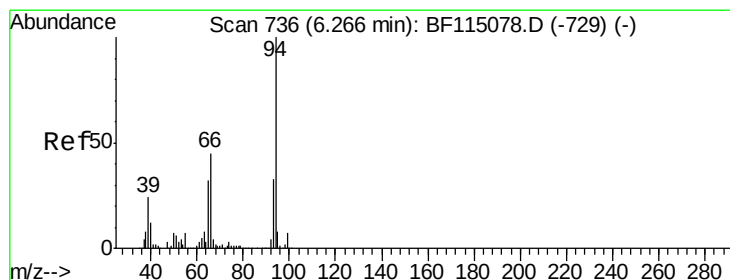
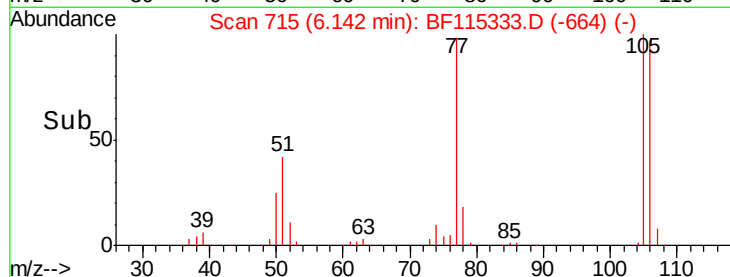
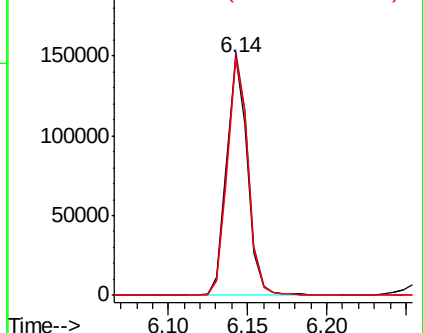
106 99.4 79.7 119.7



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 37.548 ng

RT: 6.27 min Scan# 736

Delta R.T. 0.01 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

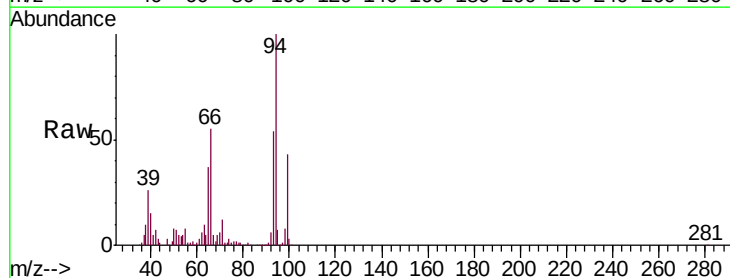
Tgt Ion: 94 Resp: 892617

Ion Ratio Lower Upper

94 100

65 36.5 11.9 51.9

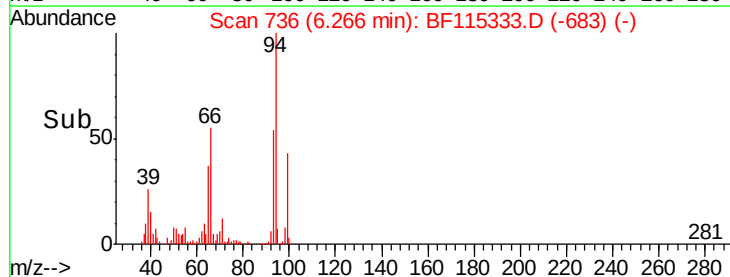
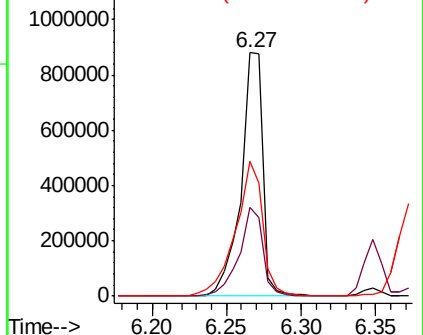
66 55.3 25.2 65.2



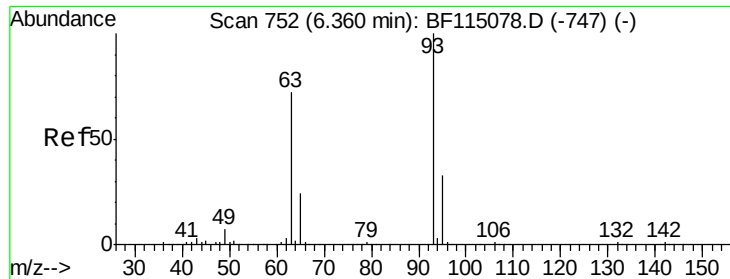
Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



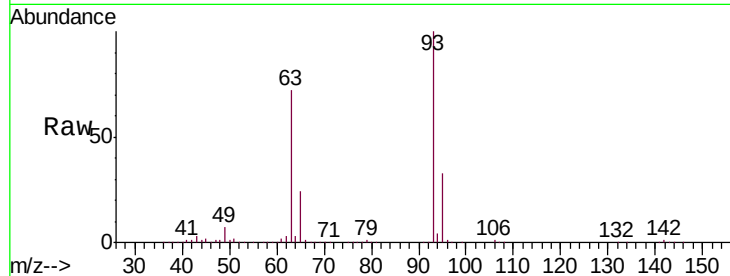




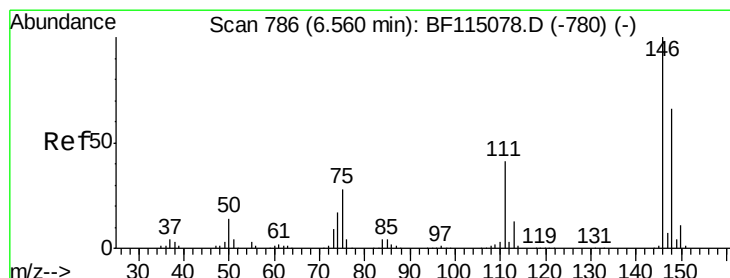
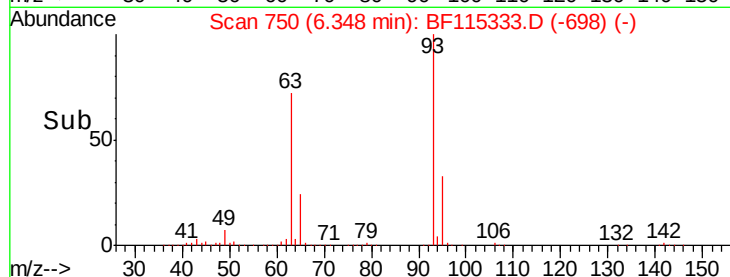
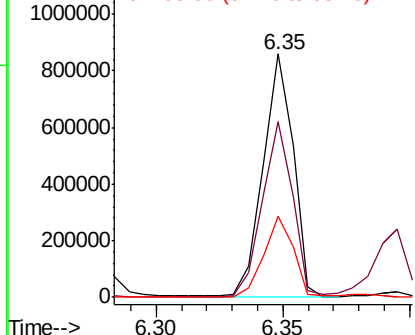
#11  
bis(2-Chloroethyl)ether  
Concen: 40.909 ng  
RT: 6.35 min Scan# 750  
Delta R.T. 0.01 min  
Lab File: BF115333.D  
Acq: 1 Jul 2019 12:34

Instrument :  
BNA\_F  
ClientSampleId :  
PB121019BS

Tgt Ion: 93 Resp: 716874  
Ion Ratio Lower Upper  
93 100  
63 72.1 51.5 91.5  
95 33.0 13.4 53.4

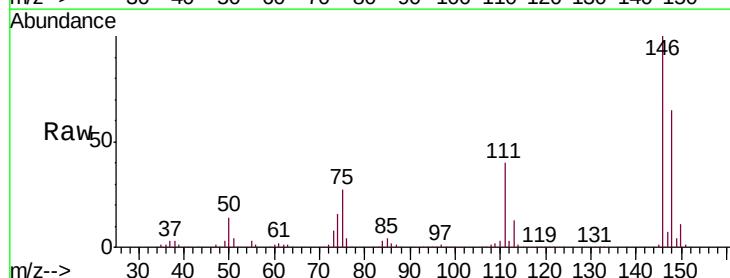


Abundance Ion 93.00 (92.70 to 93.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1

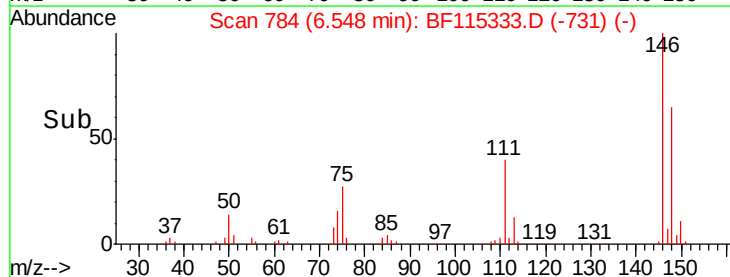
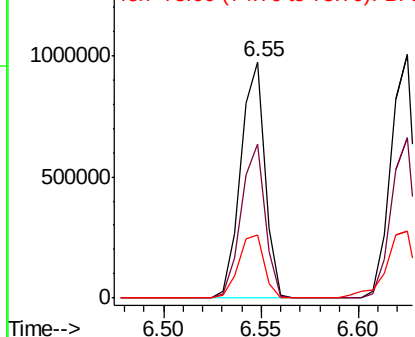


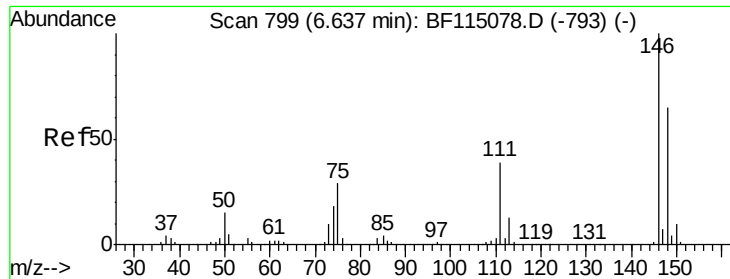
#12  
1,3-Dichlorobenzene  
Concen: 40.243 ng  
RT: 6.55 min Scan# 784  
Delta R.T. 0.01 min  
Lab File: BF115333.D  
Acq: 1 Jul 2019 12:34

Tgt Ion: 146 Resp: 839711  
Ion Ratio Lower Upper  
146 100  
148 65.4 52.6 78.8  
75 26.7 22.6 34.0



Abundance Ion 146.00 (145.70 to 146.70): E  
Ion 148.00 (147.70 to 148.70): E  
Ion 75.00 (74.70 to 75.70): BF1

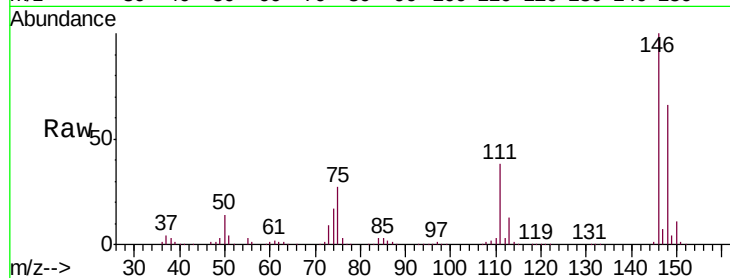




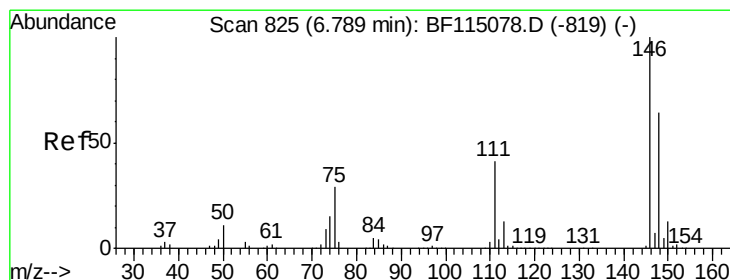
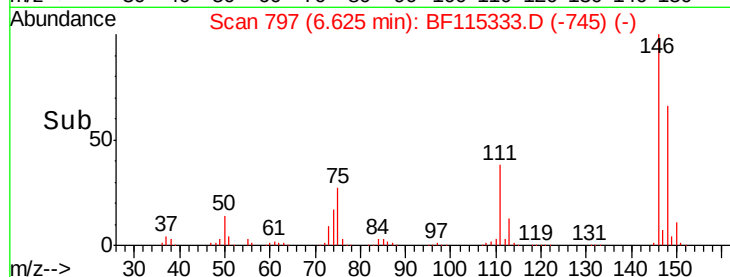
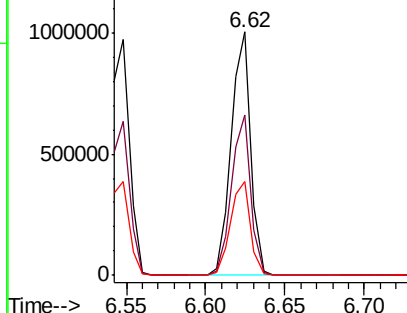
#13  
 1,4-Dichlorobenzene  
 Concen: 40.797 ng  
 RT: 6.62 min Scan# 797  
 Delta R.T. 0.01 min  
 Lab File: BF115333.D  
 Acq: 1 Jul 2019 12:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121019BS

Tgt Ion:146 Resp: 853628  
 Ion Ratio Lower Upper  
 146 100  
 148 65.7 51.9 77.9  
 111 38.4 31.4 47.0

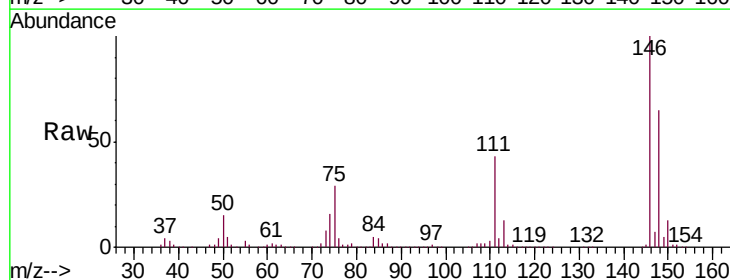


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

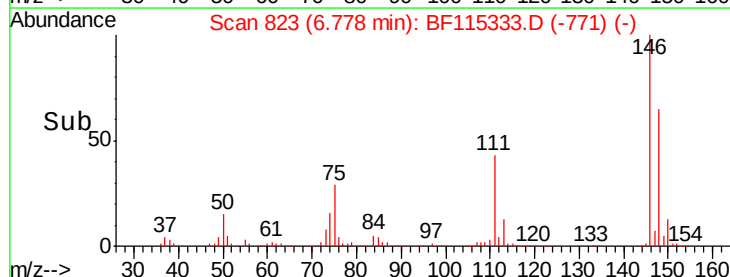
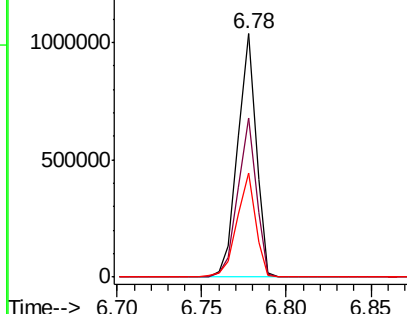


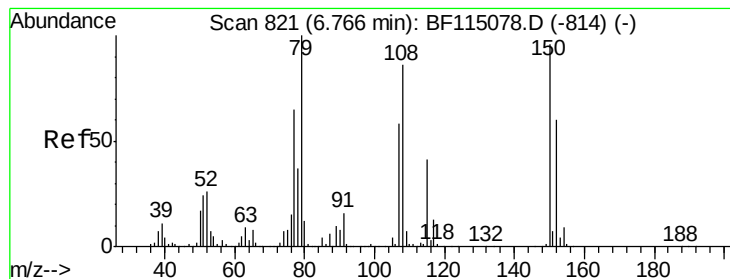
#14  
 1,2-Dichlorobenzene  
 Concen: 40.751 ng  
 RT: 6.78 min Scan# 823  
 Delta R.T. 0.01 min  
 Lab File: BF115333.D  
 Acq: 1 Jul 2019 12:34

Tgt Ion:146 Resp: 789626  
 Ion Ratio Lower Upper  
 146 100  
 148 65.2 51.1 76.7  
 111 42.5 33.2 49.8



Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 39.666 ng

RT: 6.75 min Scan# 819

Delta R.T. 0.01 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

Instrument :

BNA\_F

ClientSampleId :

PB121019BS

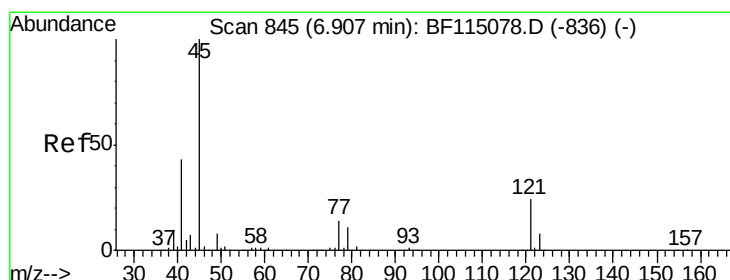
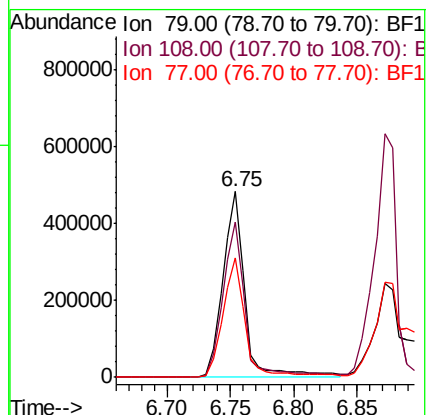
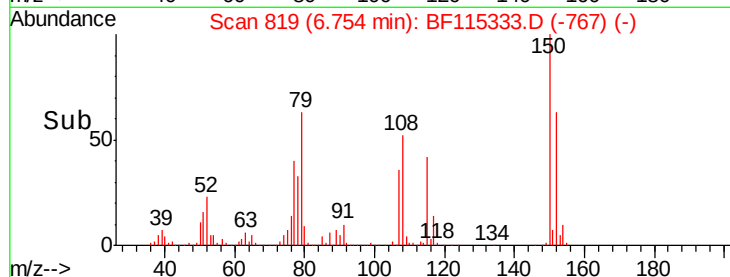
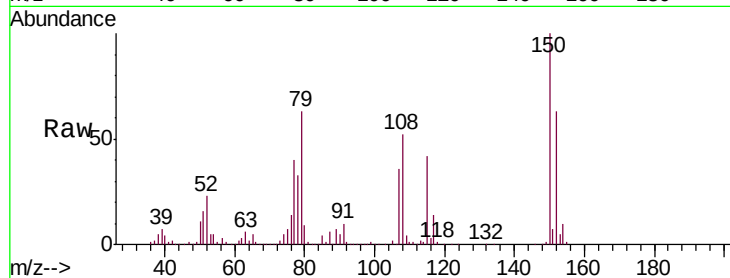
Tgt Ion: 79 Resp: 586183

Ion Ratio Lower Upper

79 100

108 83.8 68.7 103.1

77 64.0 51.7 77.5



#16

2,2'-oxybis(1-Chloropropane)

Concen: 40.366 ng

RT: 6.89 min Scan# 842

Delta R.T. 0.00 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

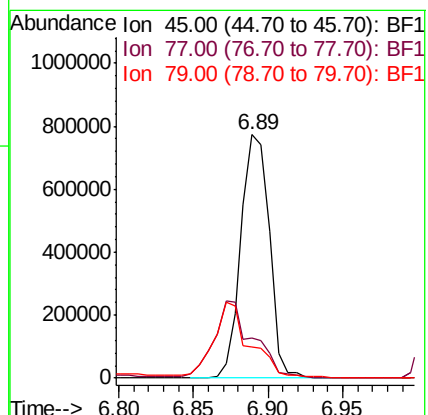
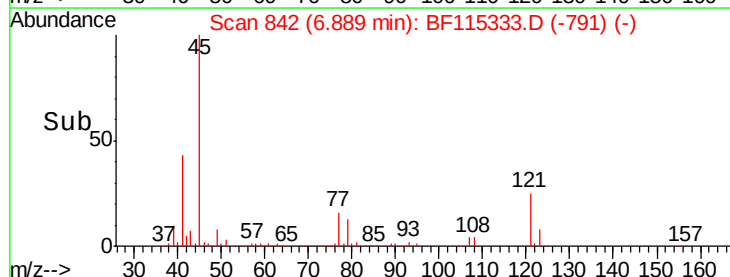
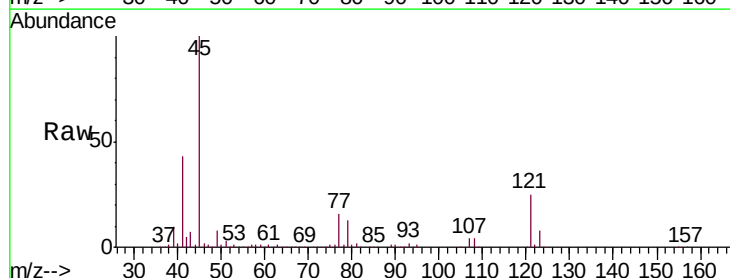
Tgt Ion: 45 Resp: 1025953

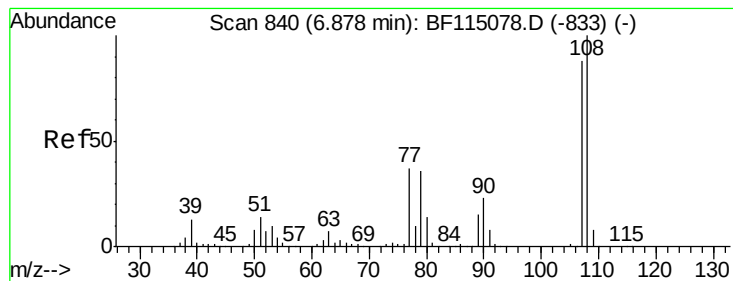
Ion Ratio Lower Upper

45 100

77 16.3 0.0 34.6

79 12.7 0.0 31.2





#17

2-Methylphenol

Concen: 43.748 ng

RT: 6.87 min Scan# 839

Delta R.T. 0.01 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

Instrument :

BNA\_F

ClientSampleId :

PB121019BS

Tgt Ion:107 Resp: 678935

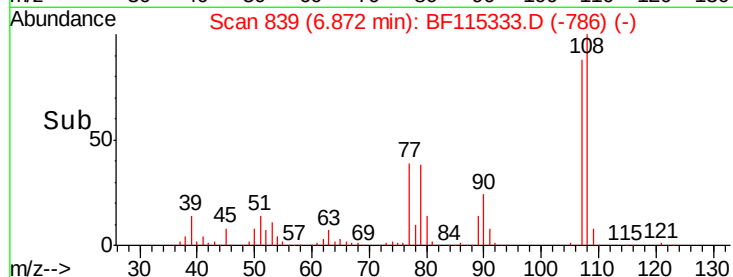
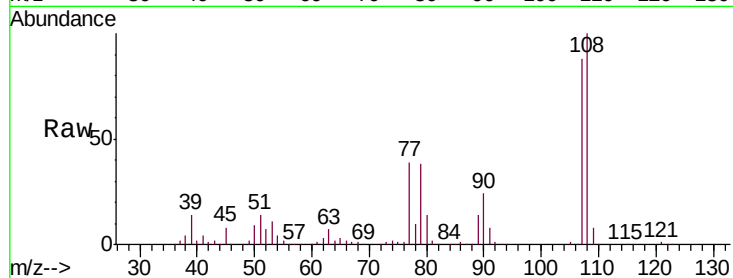
Ion Ratio Lower Upper

107 100

108 113.0 90.9 136.3

77 44.0 33.4 50.2

79 43.4 32.3 48.5

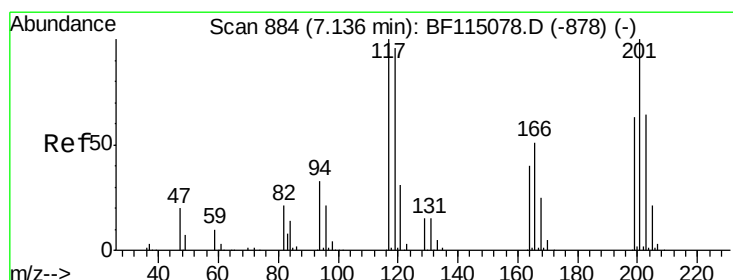
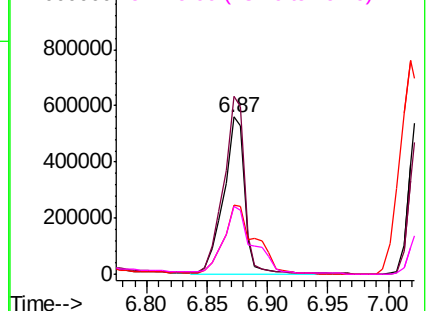


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 41.054 ng

RT: 7.12 min Scan# 881

Delta R.T. 0.01 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

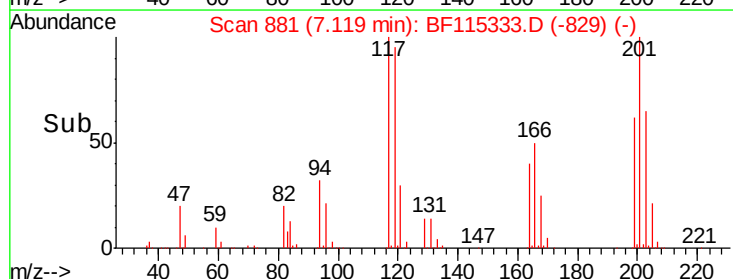
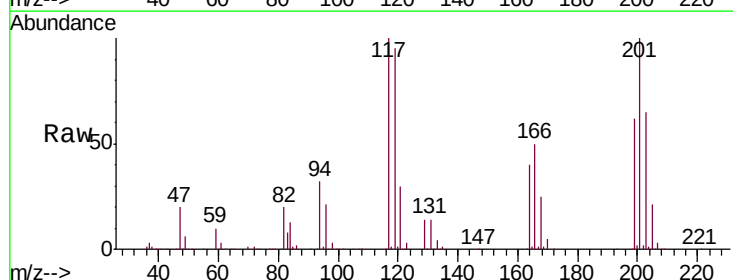
Tgt Ion:117 Resp: 309685

Ion Ratio Lower Upper

117 100

119 95.2 76.6 114.8

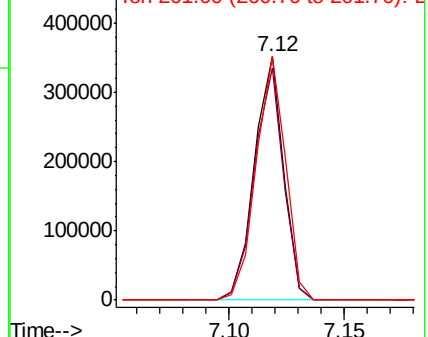
201 99.9 80.2 120.2

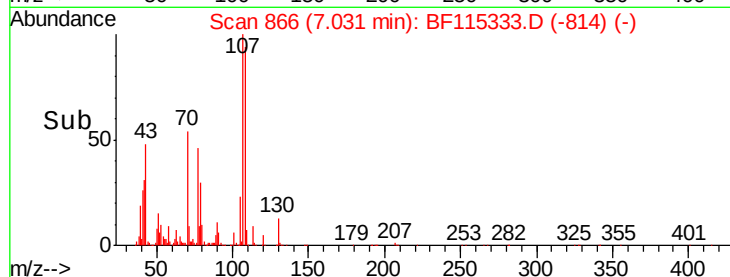
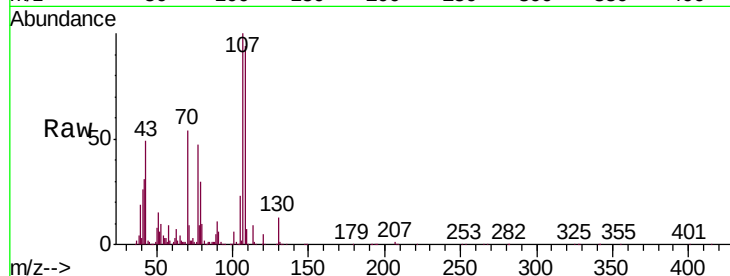
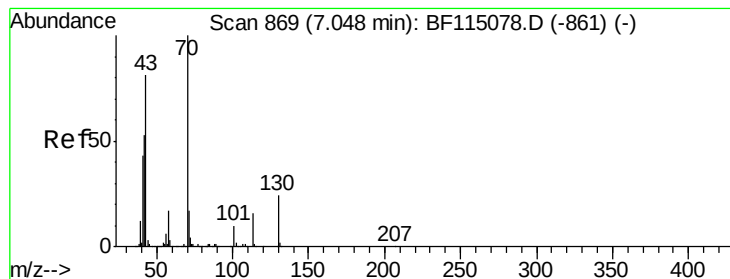


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 38.841 ng

RT: 7.03 min Scan# 866

Delta R.T. 0.01 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

Instrument :

BNA\_F

ClientSampleId :

PB121019BS

Tgt Ion: 70 Resp: 504656

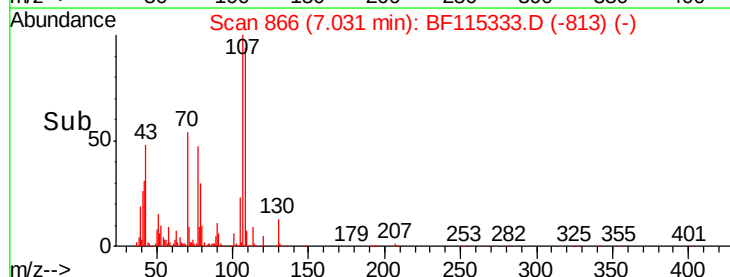
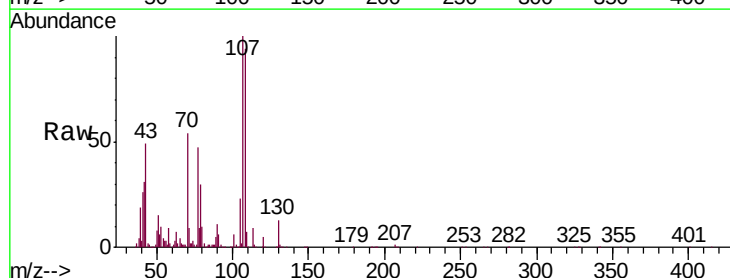
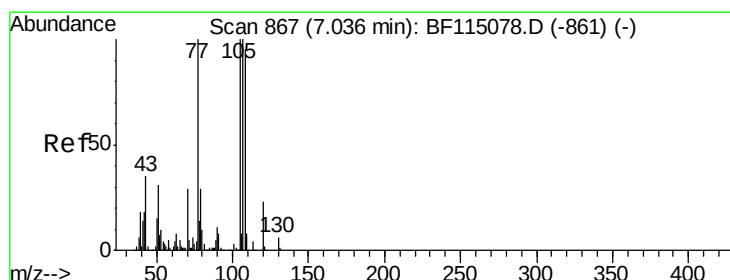
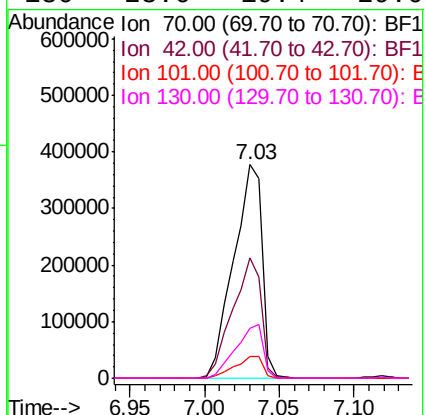
Ion Ratio Lower Upper

70 100

42 56.5 42.6 63.8

101 10.2 8.0 12.0

130 23.6 19.4 29.0



#20

3+4-Methylphenols

Concen: 43.125 ng

RT: 7.03 min Scan# 866

Delta R.T. 0.01 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

Tgt Ion: 107 Resp: 772786

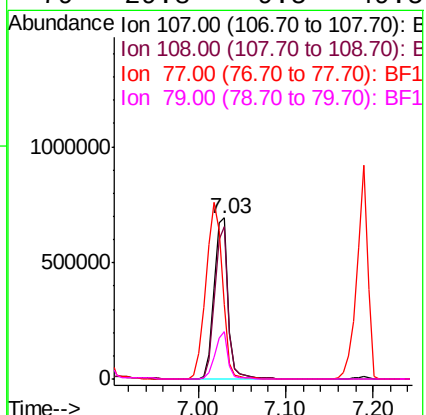
Ion Ratio Lower Upper

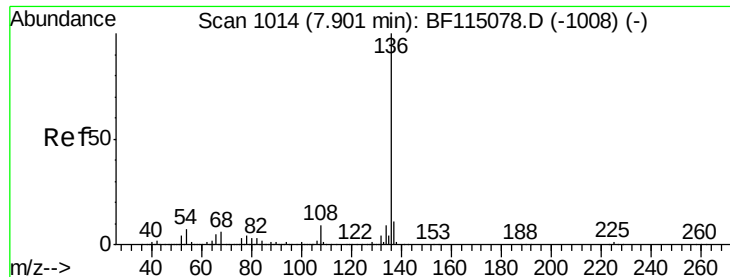
107 100

108 94.3 75.5 115.5

77 46.5 80.2 120.2#

79 29.8 9.5 49.5

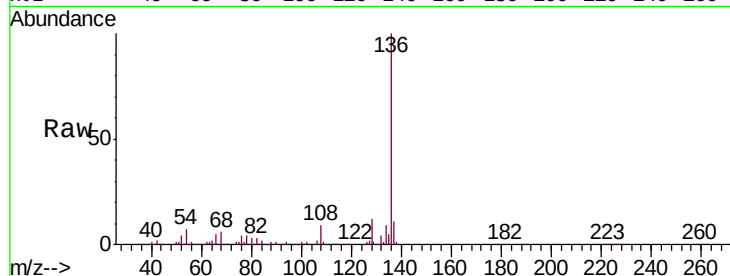




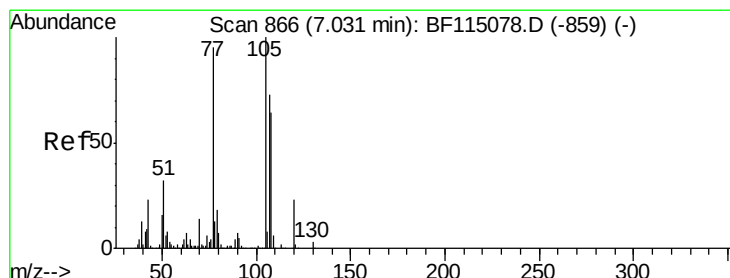
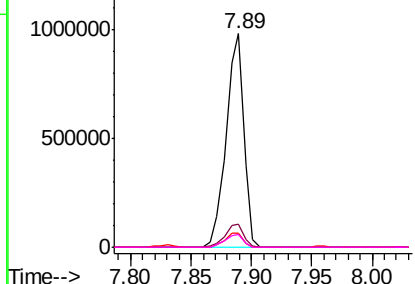
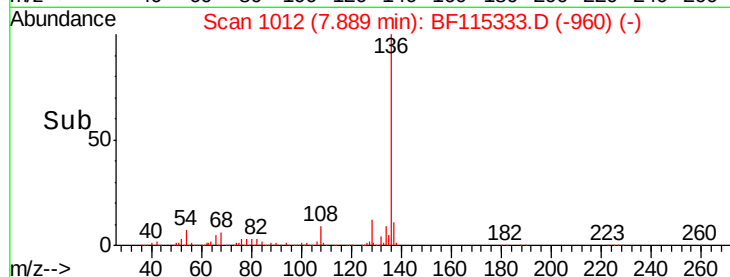
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.89 min Scan# 1012  
Delta R.T. 0.01 min  
Lab File: BF115333.D  
Acq: 1 Jul 2019 12:34

Instrument :  
BNA\_F  
ClientSampleId :  
PB121019BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 995948 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.9   | 13.3   |
| 54       | 6.6   | 5.6   | 8.4    |
| 68       | 5.9   | 4.8   | 7.2    |

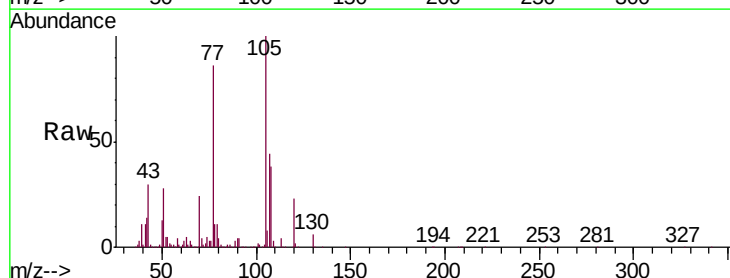


Abundance Ion 136.00 (135.70 to 136.70): E  
1500000 Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

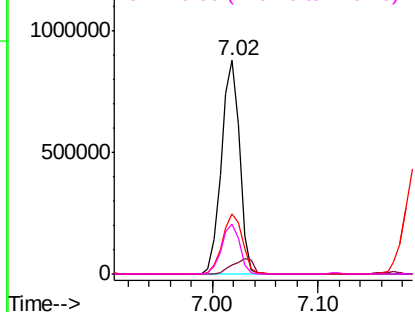
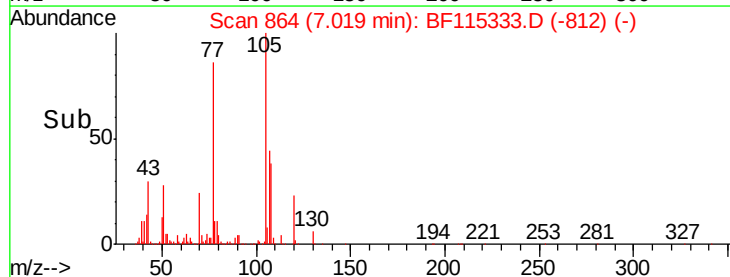


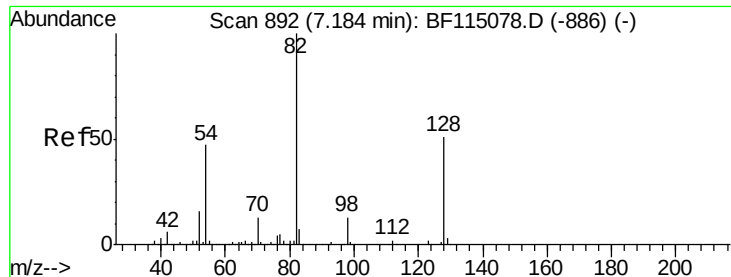
#22  
Acetophenone  
Concen: 46.351 ng  
RT: 7.02 min Scan# 864  
Delta R.T. 0.01 min  
Lab File: BF115333.D  
Acq: 1 Jul 2019 12:34

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 105   | Resp: | 1056826 |
| Ion      | Ratio | Lower | Upper   |
| 105      | 100   |       |         |
| 71       | 4.1   | 1.9   | 2.9#    |
| 51       | 28.4  | 25.8  | 38.8    |
| 120      | 23.2  | 18.5  | 27.7    |



Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BF1  
Ion 51.00 (50.70 to 51.70): BF1  
Ion 120.00 (119.70 to 120.70): E

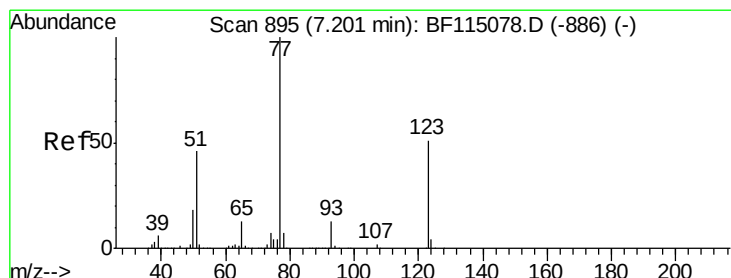
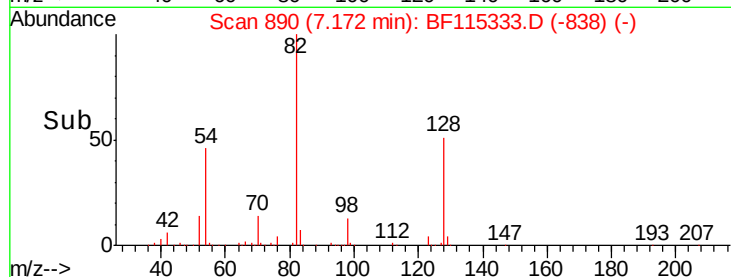
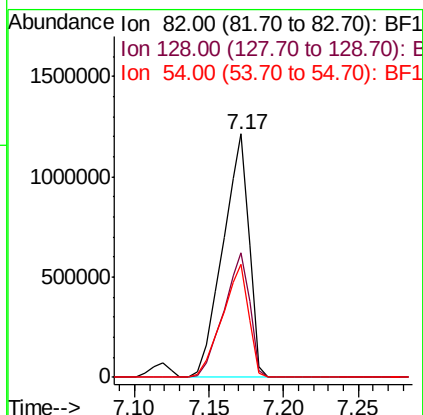
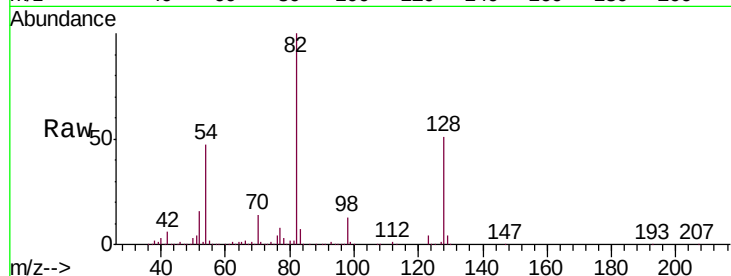




#23  
 Nitrobenzene-d5  
 Concen: 92.392 ng  
 RT: 7.17 min Scan# 890  
 Delta R.T. 0.01 min  
 Lab File: BF115333.D  
 Acq: 1 Jul 2019 12:34

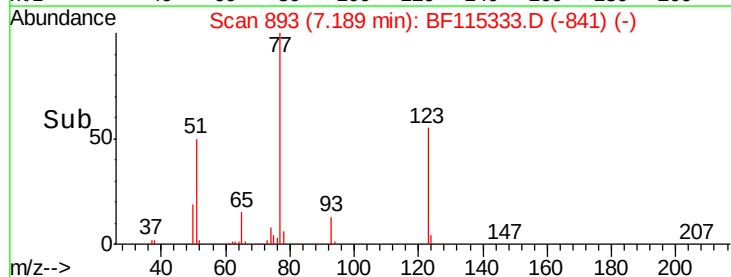
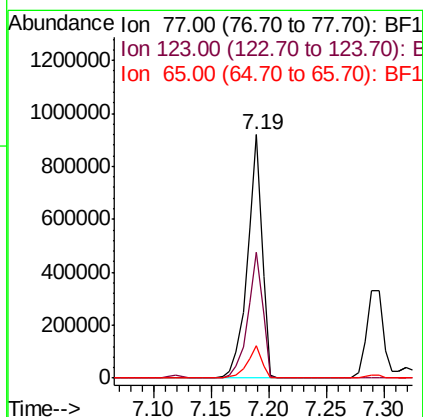
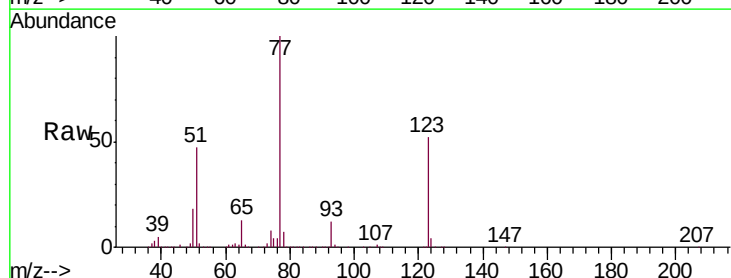
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121019BS

Tgt Ion: 82 Resp: 1495843  
 Ion Ratio Lower Upper  
 82 100  
 128 50.9 40.4 60.6  
 54 46.7 37.5 56.3

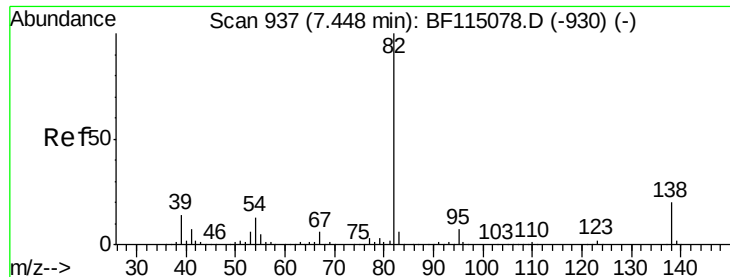


#24  
 Nitrobenzene  
 Concen: 44.792 ng  
 RT: 7.19 min Scan# 893  
 Delta R.T. 0.01 min  
 Lab File: BF115333.D  
 Acq: 1 Jul 2019 12:34

Tgt Ion: 77 Resp: 798935  
 Ion Ratio Lower Upper  
 77 100  
 123 51.7 41.0 61.6  
 65 13.3 10.5 15.7







#25

Isophorone

Concen: 44.802 ng

RT: 7.44 min Scan# 935

Delta R.T. 0.01 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

Instrument :

BNA\_F

ClientSampleId :

PB121019BS

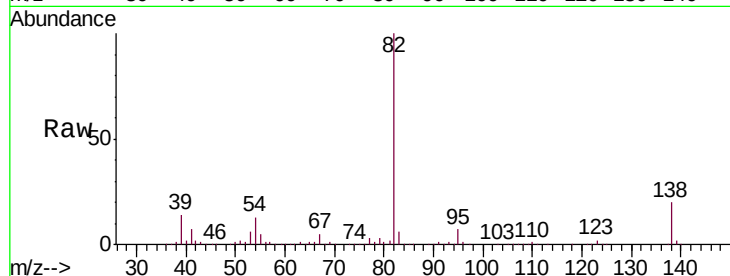
Tgt Ion: 82 Resp: 1485902

Ion Ratio Lower Upper

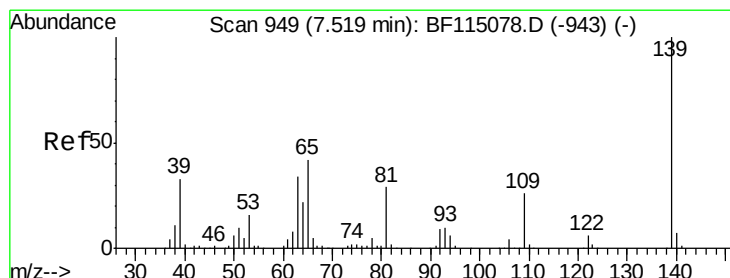
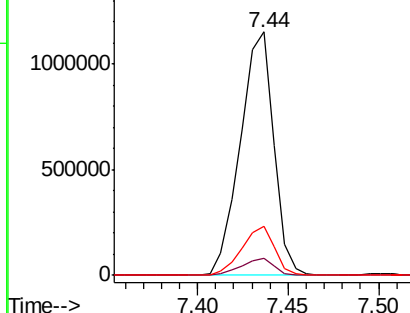
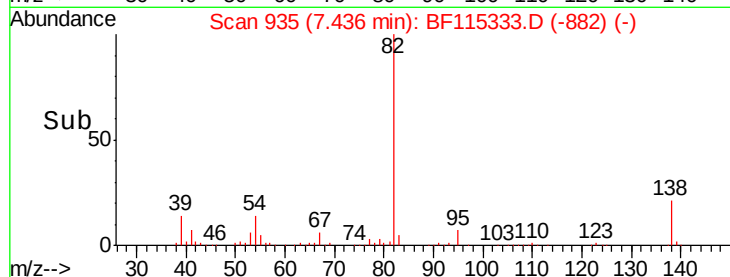
82 100

95 6.9 5.4 8.2

138 20.3 15.9 23.9



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



#26

2-Nitrophenol

Concen: 51.608 ng

RT: 7.51 min Scan# 947

Delta R.T. 0.01 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

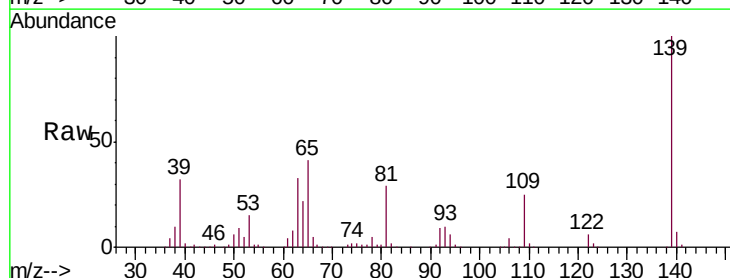
Tgt Ion: 139 Resp: 454587

Ion Ratio Lower Upper

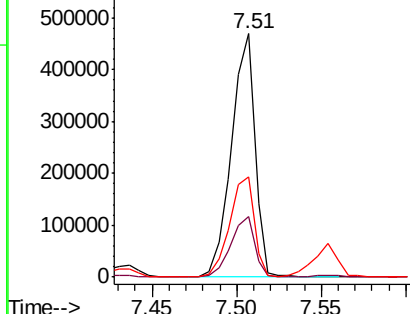
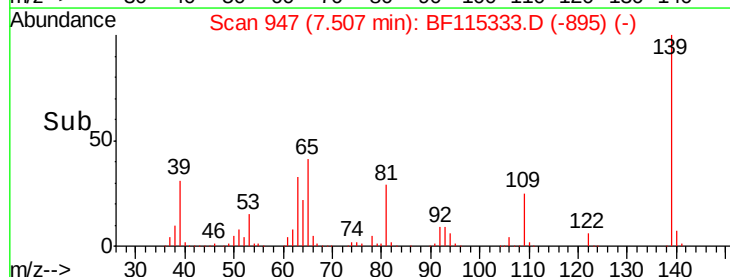
139 100

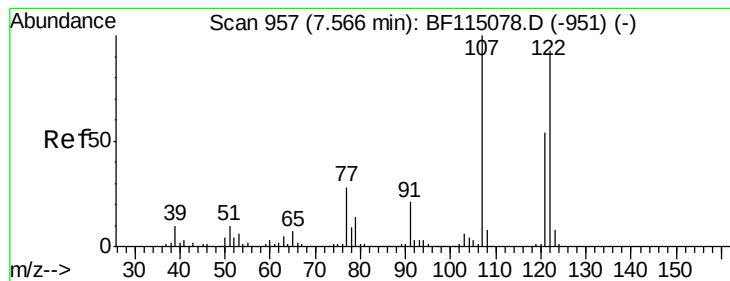
109 25.0 20.4 30.6

65 41.0 33.6 50.4



Abundance Ion 139.00 (138.70 to 139.70): BF1  
Ion 109.00 (108.70 to 109.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 50.102 ng

RT: 7.55 min Scan# 955

Delta R.T. 0.01 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

Instrument :

BNA\_F

ClientSampleId :

PB121019BS

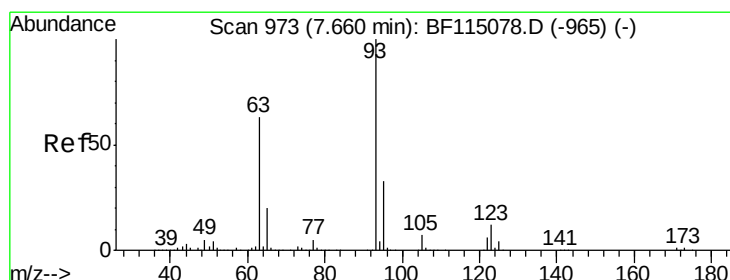
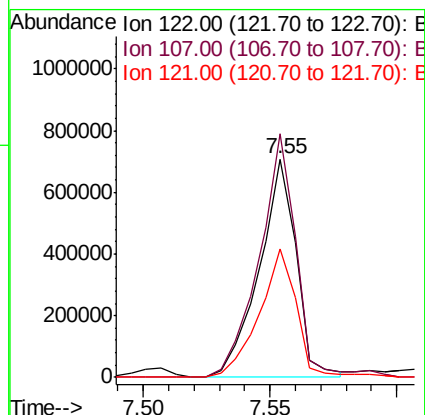
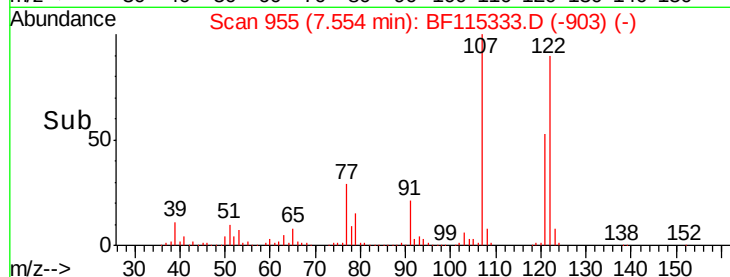
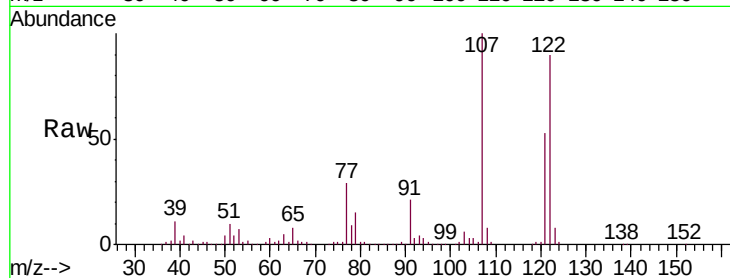
Tgt Ion:122 Resp: 722563

Ion Ratio Lower Upper

122 100

107 111.6 85.8 128.6

121 59.0 46.3 69.5



#28

bis(2-Chloroethoxy)methane

Concen: 44.503 ng

RT: 7.65 min Scan# 971

Delta R.T. 0.01 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

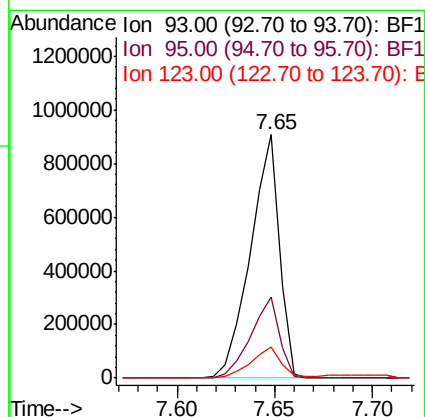
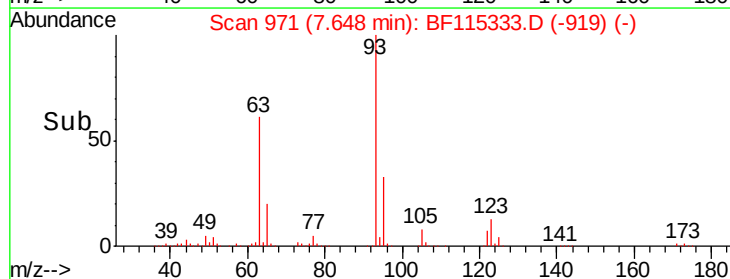
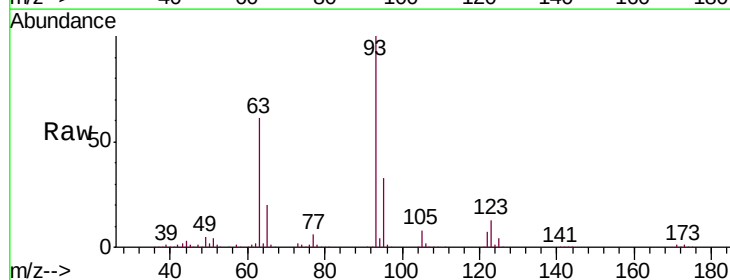
Tgt Ion: 93 Resp: 932893

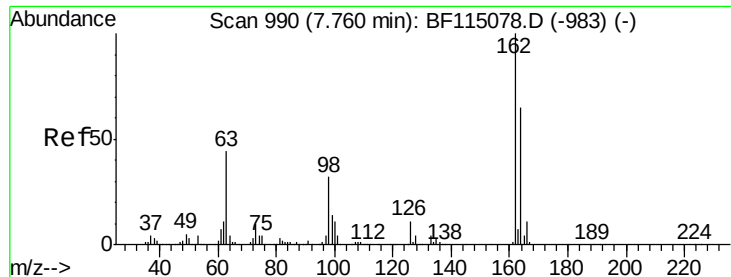
Ion Ratio Lower Upper

93 100

95 33.2 26.2 39.4

123 12.9 9.7 14.5

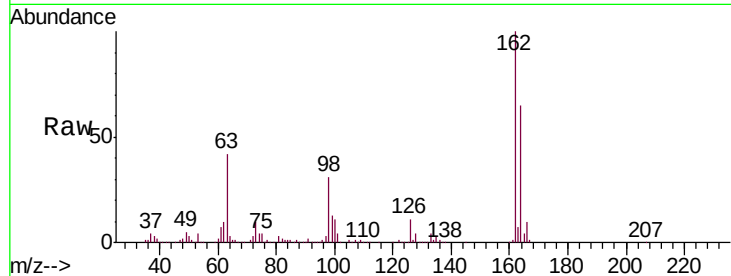




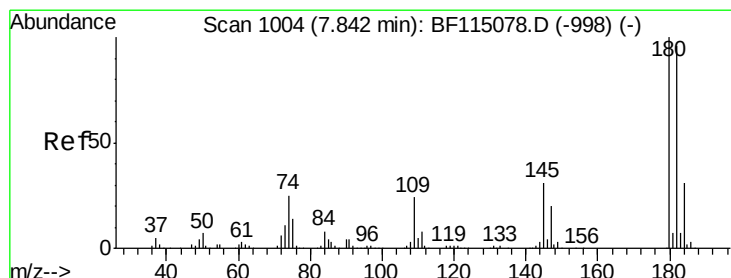
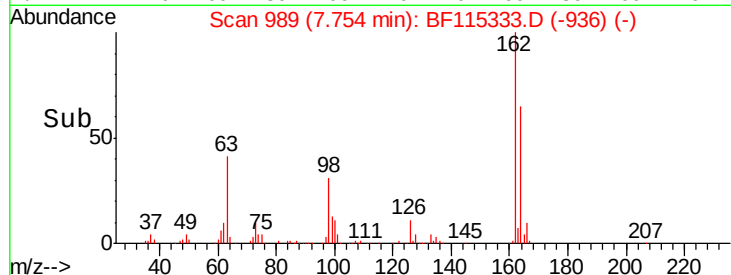
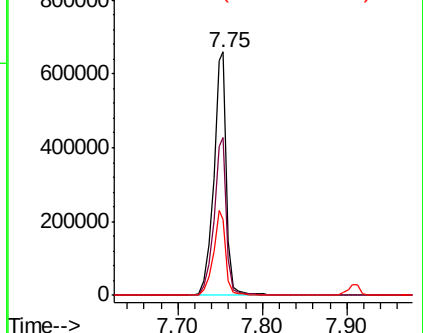
#29  
2,4-Dichlorophenol  
Concen: 47.745 ng  
RT: 7.75 min Scan# 989  
Delta R.T. 0.01 min  
Lab File: BF115333.D  
Acq: 1 Jul 2019 12:34

Instrument :  
BNA\_F  
ClientSampleId :  
PB121019BS

Tgt Ion:162 Resp: 710608  
Ion Ratio Lower Upper  
162 100  
164 65.1 45.3 85.3  
98 31.0 12.5 52.5

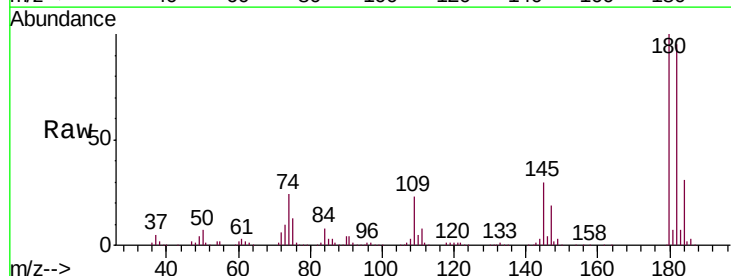


Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): BF1

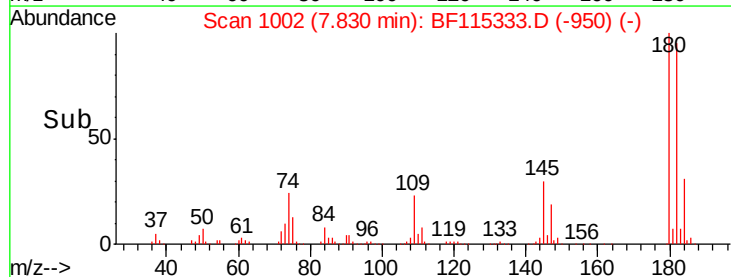
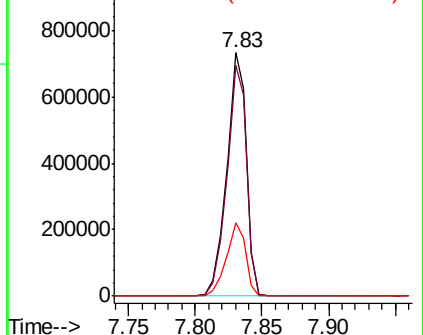


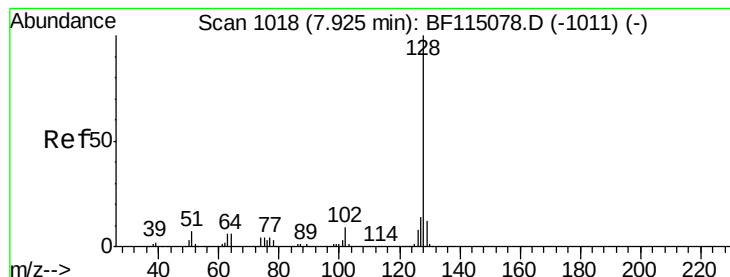
#30  
1,2,4-Trichlorobenzene  
Concen: 46.227 ng  
RT: 7.83 min Scan# 1002  
Delta R.T. 0.01 min  
Lab File: BF115333.D  
Acq: 1 Jul 2019 12:34

Tgt Ion:180 Resp: 759970  
Ion Ratio Lower Upper  
180 100  
182 94.6 76.4 114.6  
145 30.2 24.8 37.2



Abundance Ion 180.00 (179.70 to 180.70): E  
Ion 182.00 (181.70 to 182.70): E  
Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 45.536 ng

RT: 7.91 min Scan# 1016

Delta R.T. 0.01 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

Instrument :

BNA\_F

ClientSampleId :

PB121019BS

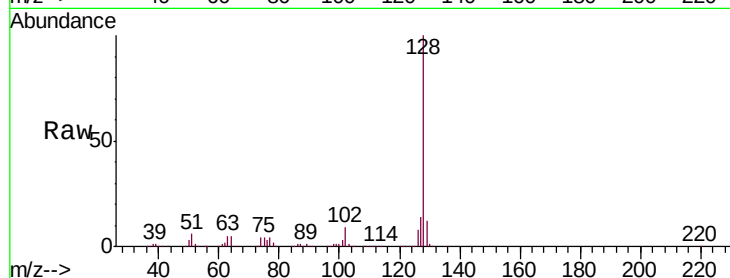
Tgt Ion:128 Resp: 2226209

Ion Ratio Lower Upper

128 100

129 11.6 9.6 14.4

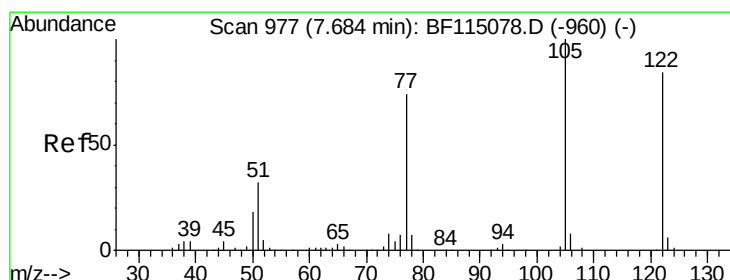
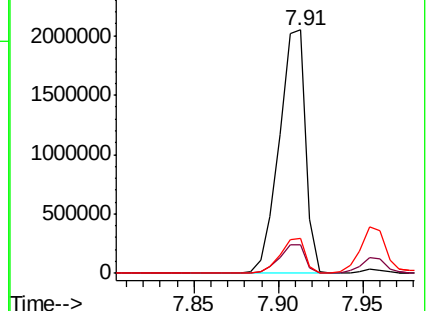
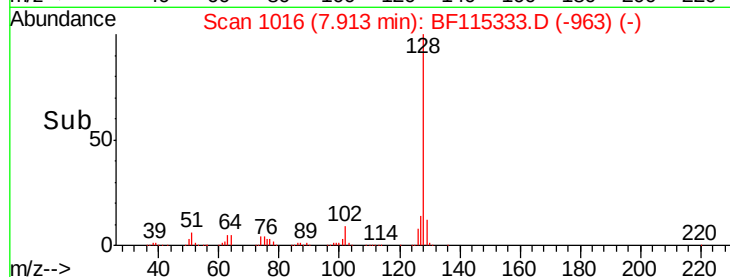
127 14.1 11.4 17.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 52.167 ng

RT: 7.70 min Scan# 980

Delta R.T. 0.04 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

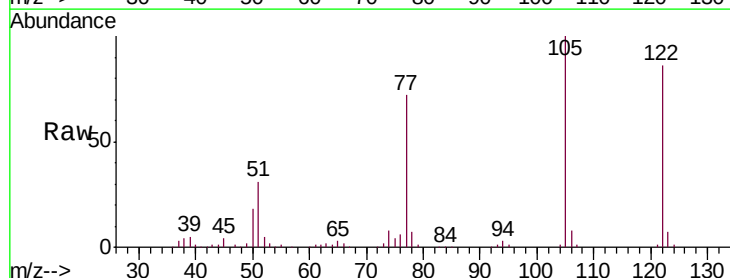
Tgt Ion:122 Resp: 537042

Ion Ratio Lower Upper

122 100

105 115.8 98.2 138.2

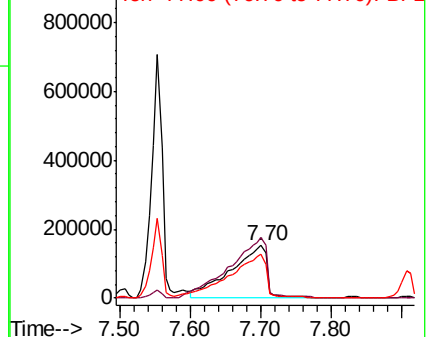
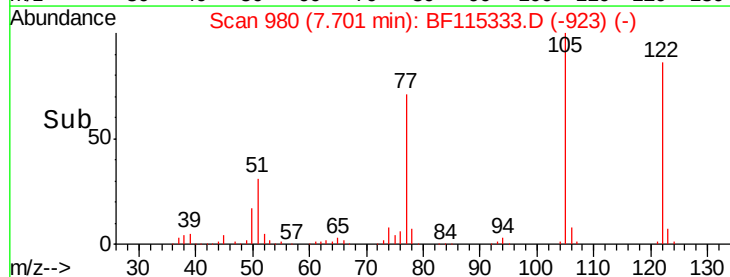
77 83.9 67.0 107.0

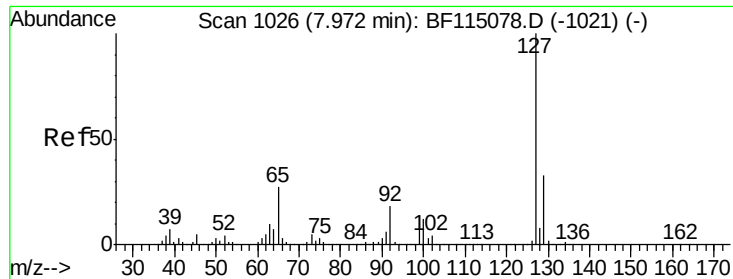


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

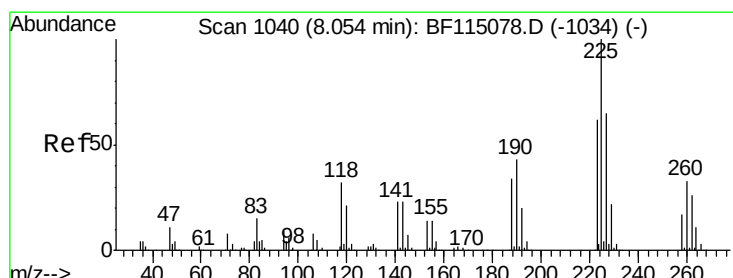
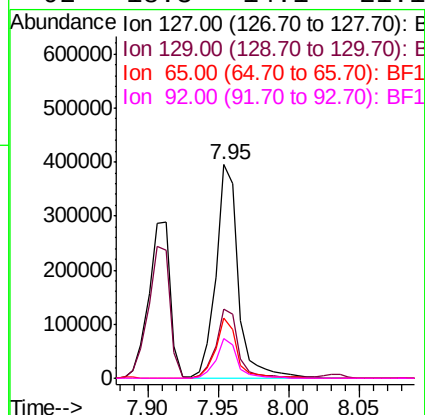
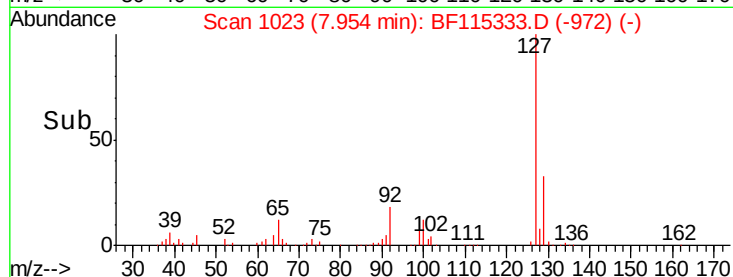
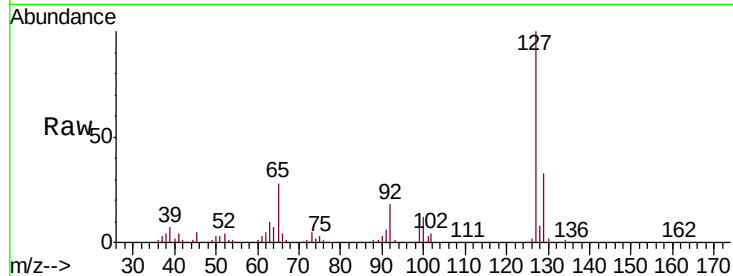




#33  
4-Chloroaniline  
Concen: 19.406 ng  
RT: 7.95 min Scan# 1023  
Delta R.T. 0.00 min  
Lab File: BF115333.D  
Acq: 1 Jul 2019 12:34

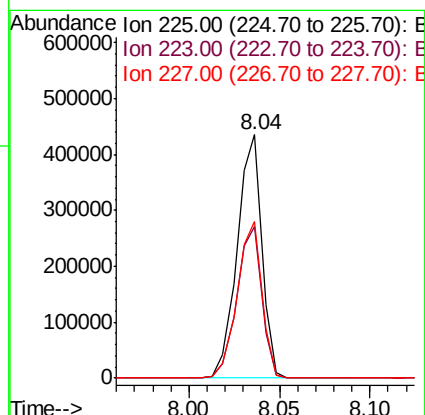
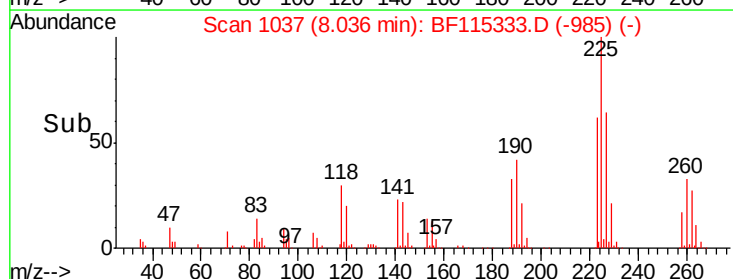
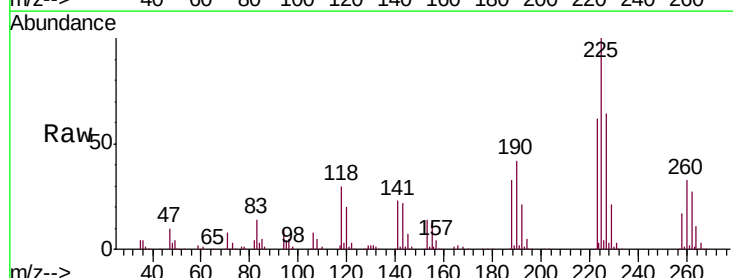
Instrument :  
BNA\_F  
ClientSampleId :  
PB121019BS

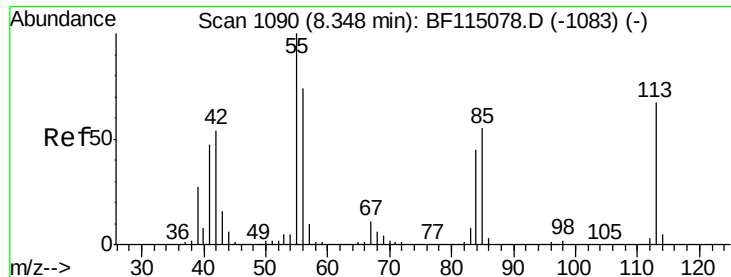
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 433601 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.6  | 26.1  | 39.1   |
| 65       | 28.1  | 21.4  | 32.2   |
| 92       | 18.3  | 14.1  | 21.1   |



#34  
Hexachlorobutadiene  
Concen: 45.483 ng  
RT: 8.04 min Scan# 1037  
Delta R.T. 0.01 min  
Lab File: BF115333.D  
Acq: 1 Jul 2019 12:34

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 409762 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.4  | 49.4  | 74.2   |
| 227      | 64.4  | 51.8  | 77.8   |

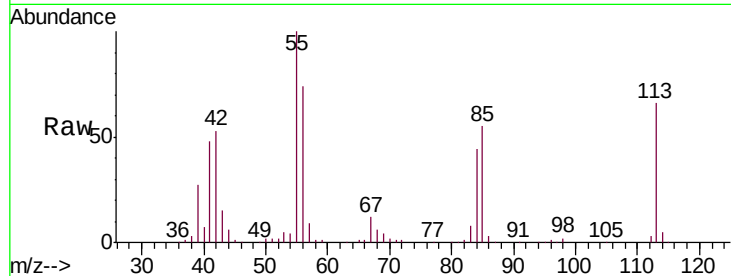




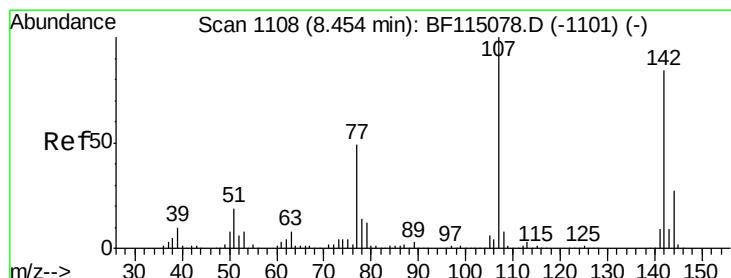
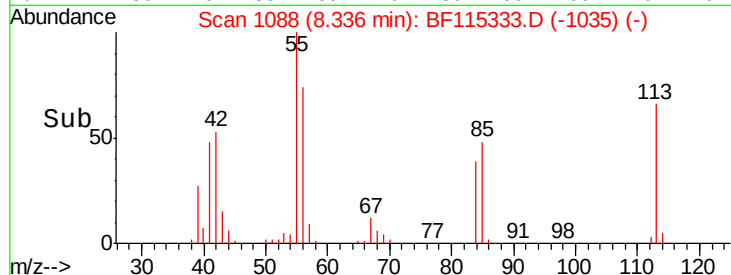
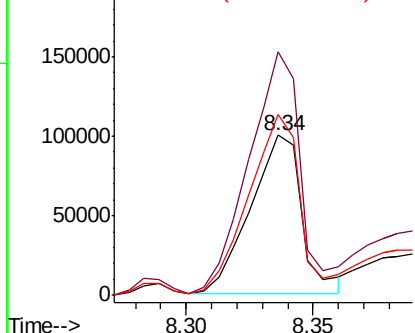
#35  
 Caprolactam  
 Concen: 28.554 ng  
 RT: 8.34 min Scan# 1088  
 Delta R.T. 0.01 min  
 Lab File: BF115333.D  
 Acq: 1 Jul 2019 12:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121019BS

Tgt Ion:113 Resp: 142883  
 Ion Ratio Lower Upper  
 113 100  
 55 152.1 130.2 170.2  
 56 112.8 91.6 131.6

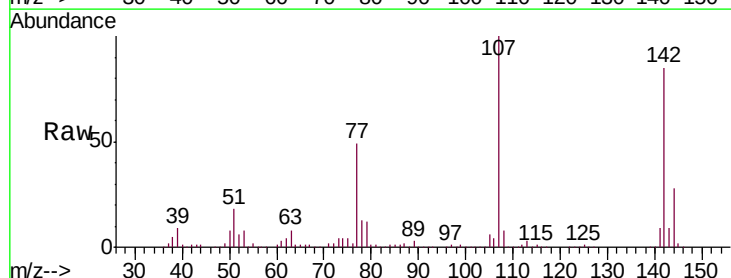


Abundance Ion 113.00 (112.70 to 113.70): E  
 Ion 55.00 (54.70 to 55.70): BF1  
 Ion 56.00 (55.70 to 56.70): BF1

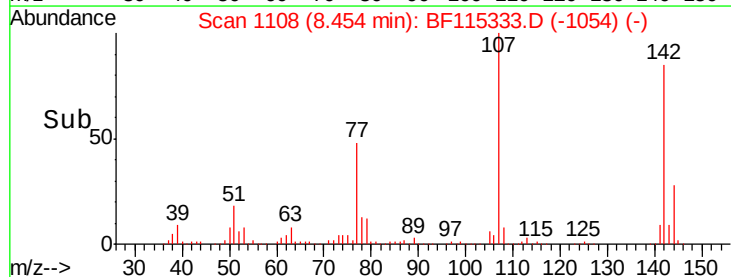
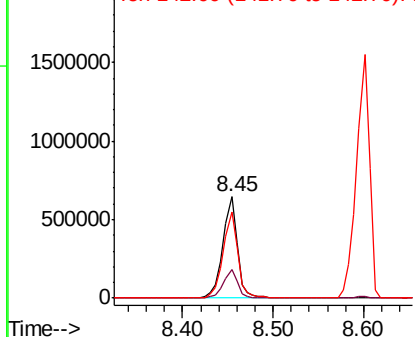


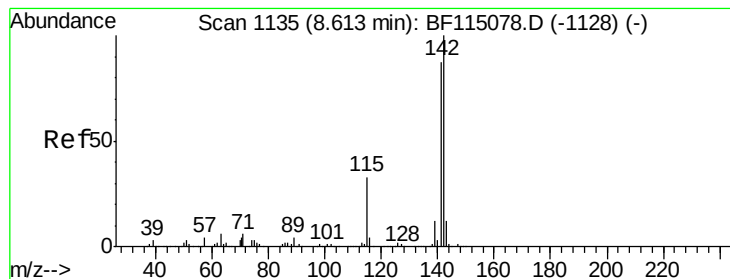
#36  
 4-Chloro-3-methylphenol  
 Concen: 47.458 ng  
 RT: 8.45 min Scan# 1108  
 Delta R.T. 0.02 min  
 Lab File: BF115333.D  
 Acq: 1 Jul 2019 12:34

Tgt Ion:107 Resp: 715316  
 Ion Ratio Lower Upper  
 107 100  
 144 28.0 21.7 32.5  
 142 85.2 67.0 100.4



Abundance Ion 107.00 (106.70 to 107.70): E  
 Ion 144.00 (143.70 to 144.70): E  
 Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 46.270 ng

RT: 8.60 min Scan# 1133

Delta R.T. 0.01 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

Instrument :

BNA\_F

ClientSampleId :

PB121019BS

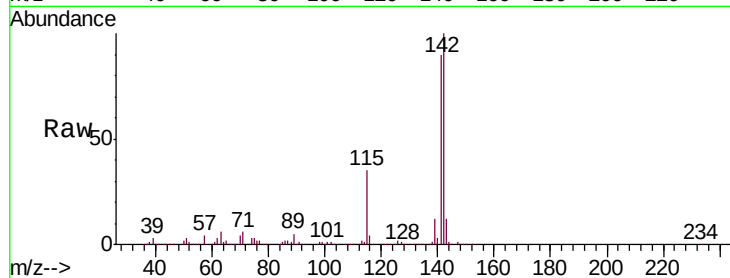
Tgt Ion:142 Resp: 1525224

Ion Ratio Lower Upper

142 100

141 89.7 69.8 104.6

115 35.2 26.7 40.1

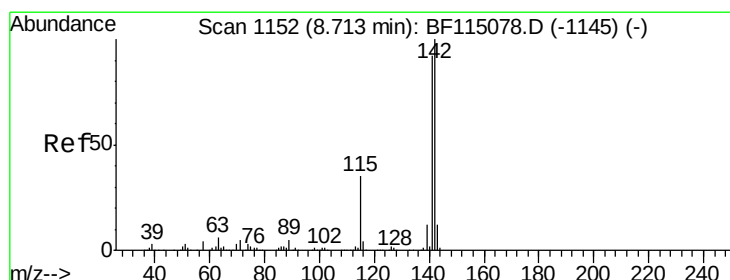
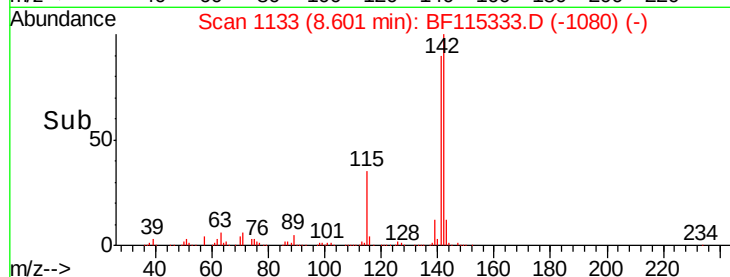
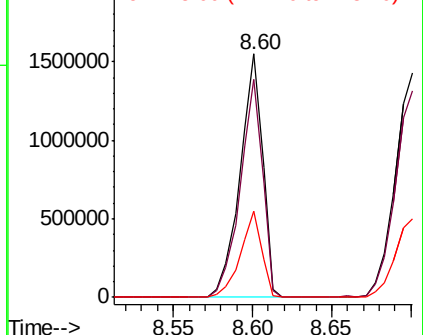


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 46.484 ng

RT: 8.70 min Scan# 1150

Delta R.T. 0.01 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

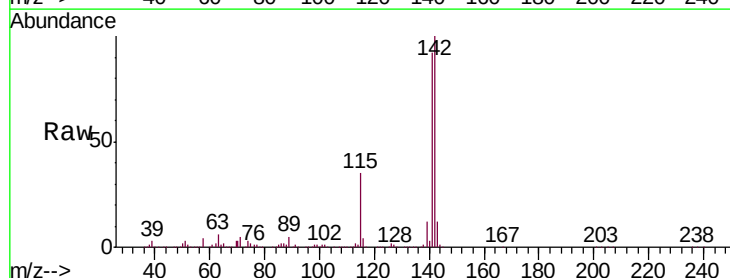
Tgt Ion:142 Resp: 1463410

Ion Ratio Lower Upper

142 100

141 91.5 73.8 110.8

116 3.5 2.8 4.2

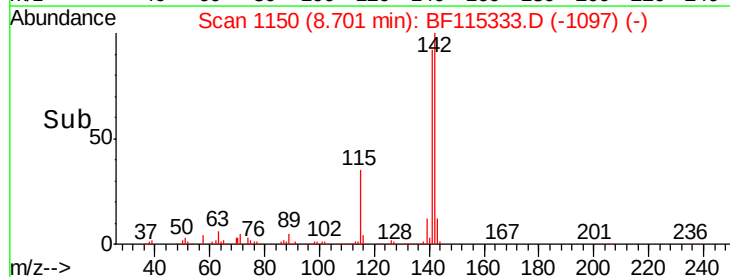
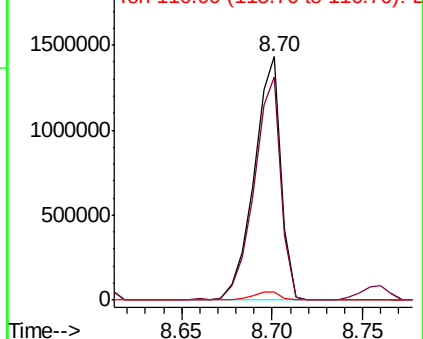


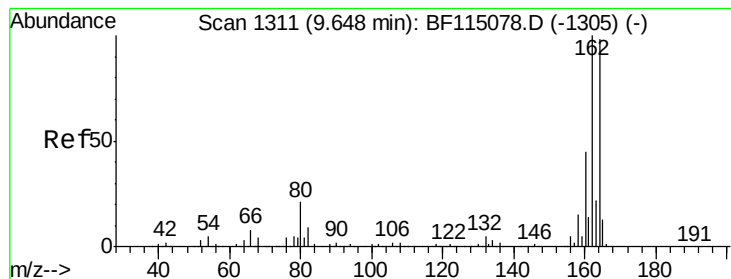
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.64 min Scan# 1309

Delta R.T. 0.01 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

Instrument :

BNA\_F

ClientSampleId :

PB121019BS

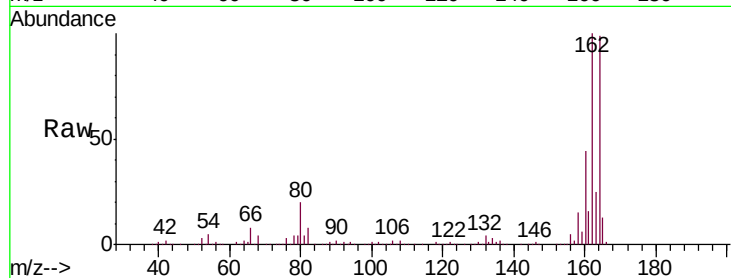
Tgt Ion:164 Resp: 498444

Ion Ratio Lower Upper

164 100

162 101.2 81.7 122.5

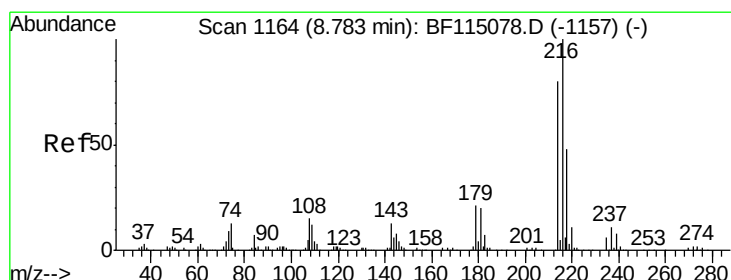
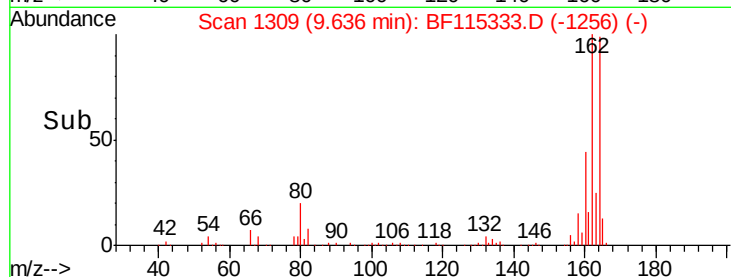
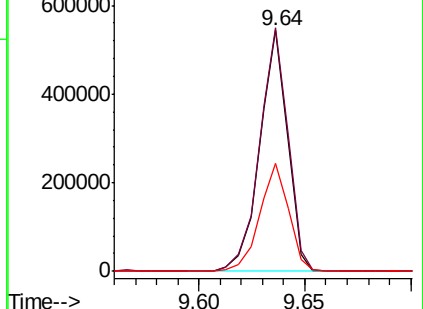
160 45.0 37.0 55.4



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



#40

1,2,4,5-Tetrachlorobenzene

Concen: 47.562 ng

RT: 8.77 min Scan# 1162

Delta R.T. 0.01 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

Tgt Ion:216 Resp: 669923

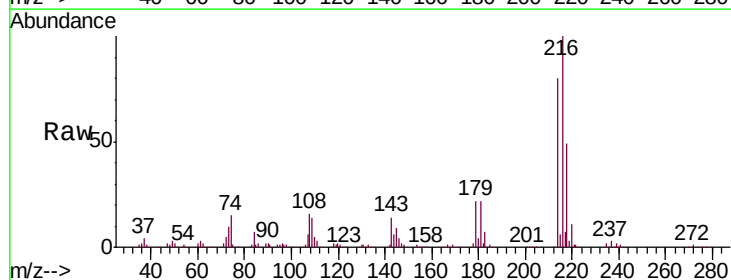
Ion Ratio Lower Upper

216 100

214 79.7 63.8 95.6

179 22.3 17.6 26.4

108 20.6 15.7 23.5

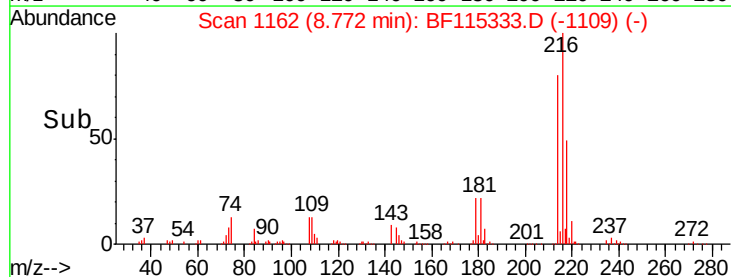
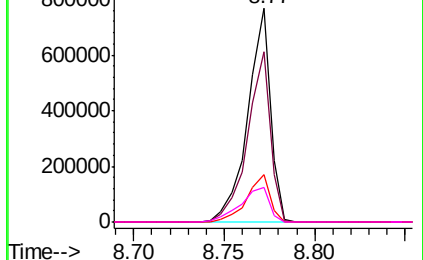


Abundance Ion 216.00 (215.70 to 216.70): E

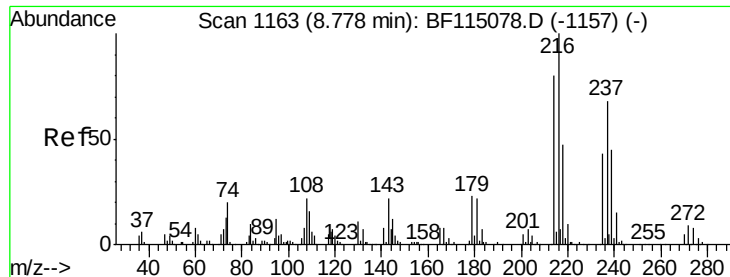
Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



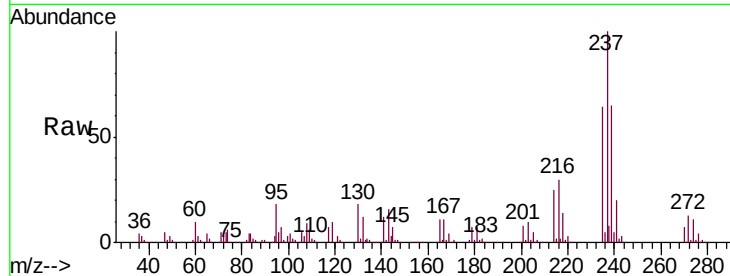




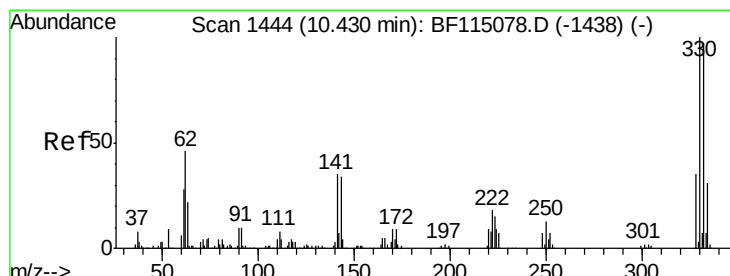
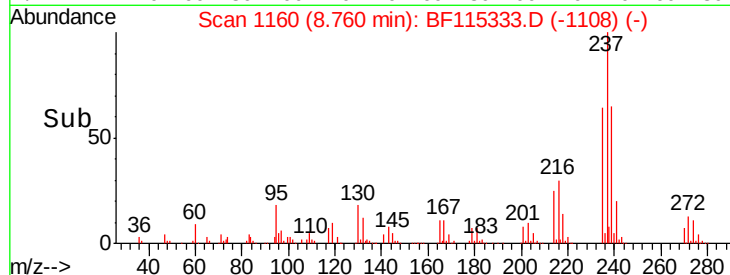
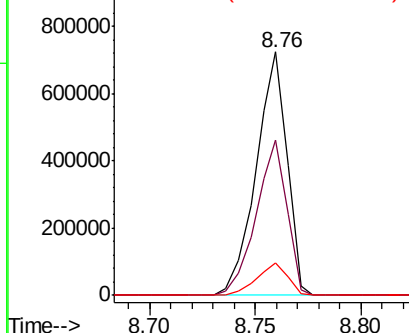
#41  
Hexachlorocyclopentadiene  
Concen: 87.994 ng  
RT: 8.76 min Scan# 1160  
Delta R.T. 0.01 min  
Lab File: BF115333.D  
Acq: 1 Jul 2019 12:34

Instrument :  
BNA\_F  
ClientSampleId :  
PB121019BS

Tgt Ion: 237 Resp: 734928  
Ion Ratio Lower Upper  
237 100  
235 63.5 43.9 83.9  
272 13.5 0.0 33.8

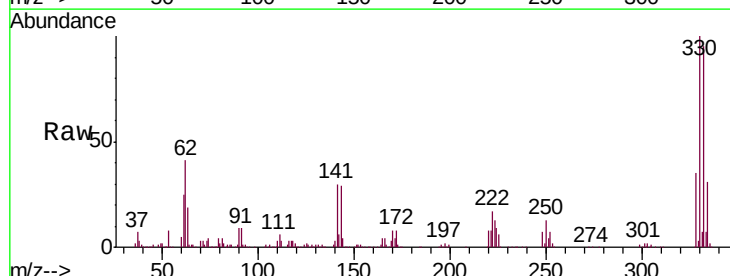


Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

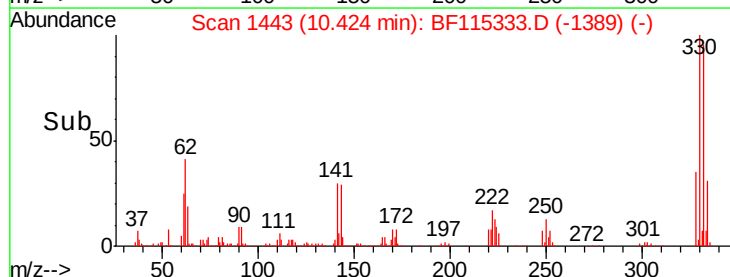
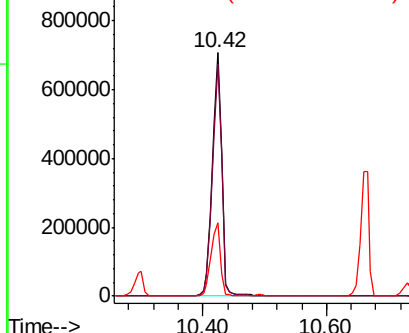


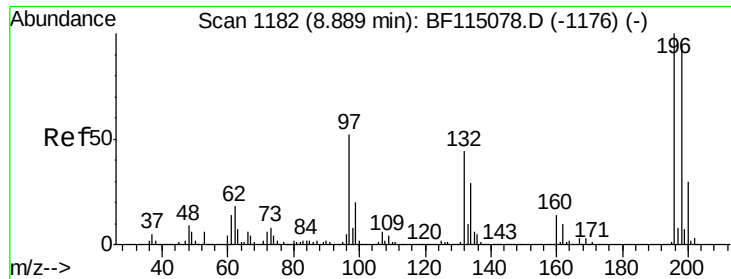
#42  
2,4,6-Tribromophenol  
Concen: 137.771 ng  
RT: 10.42 min Scan# 1443  
Delta R.T. 0.02 min  
Lab File: BF115333.D  
Acq: 1 Jul 2019 12:34

Tgt Ion: 330 Resp: 724160  
Ion Ratio Lower Upper  
330 100  
332 94.8 77.3 115.9  
141 30.7 28.2 42.2



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

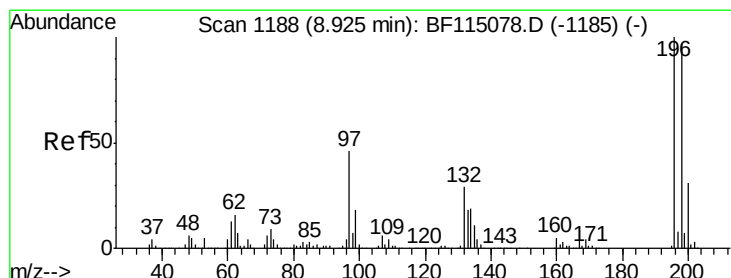
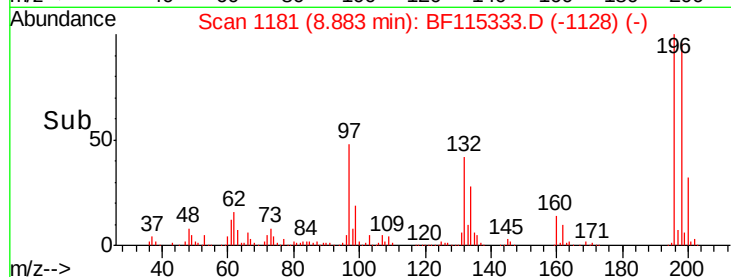
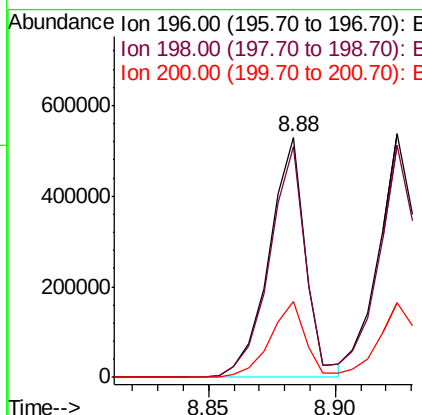
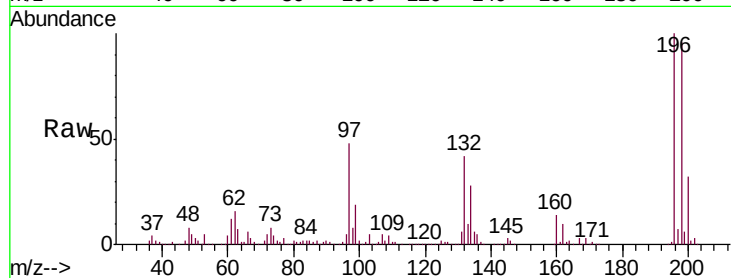




#43  
 2,4,6-Trichlorophenol  
 Concen: 48.373 ng  
 RT: 8.88 min Scan# 1181  
 Delta R.T. 0.01 min  
 Lab File: BF115333.D  
 Acq: 1 Jul 2019 12:34

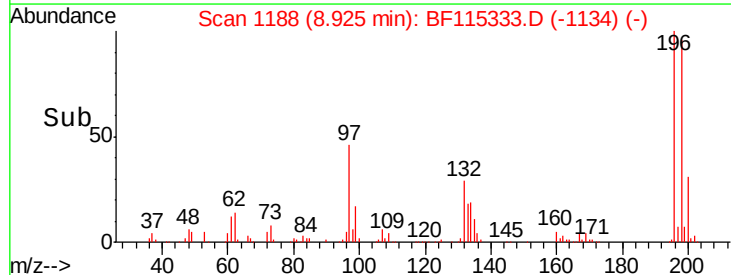
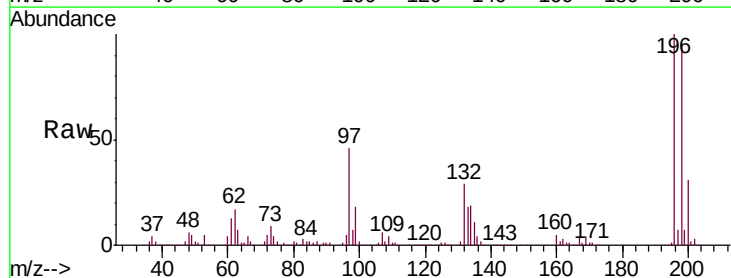
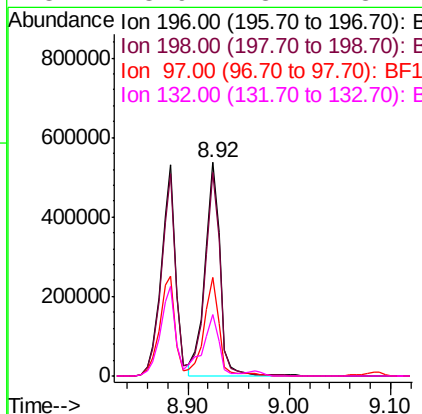
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121019BS

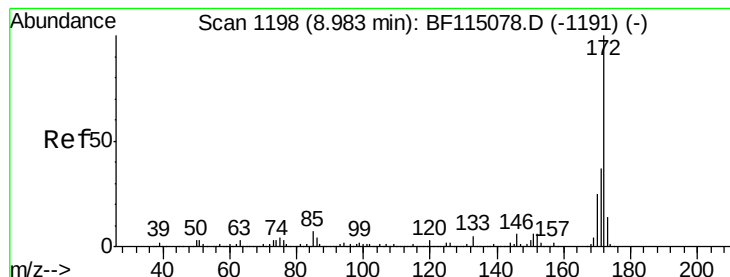
Tgt Ion:196 Resp: 526021  
 Ion Ratio Lower Upper  
 196 100  
 198 95.9 76.3 114.5  
 200 31.6 24.2 36.4



#44  
 2,4,5-Trichlorophenol  
 Concen: 48.986 ng  
 RT: 8.92 min Scan# 1188  
 Delta R.T. 0.02 min  
 Lab File: BF115333.D  
 Acq: 1 Jul 2019 12:34

Tgt Ion:196 Resp: 548565  
 Ion Ratio Lower Upper  
 196 100  
 198 95.6 77.1 115.7  
 97 46.2 37.7 56.5  
 132 28.9 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 94.495 ng

RT: 8.97 min Scan# 1195

Delta R.T. 0.01 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

Instrument :

BNA\_F

ClientSampleId :

PB121019BS

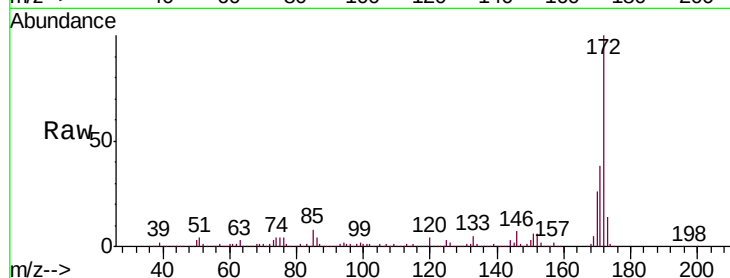
Tgt Ion:172 Resp: 2772861

Ion Ratio Lower Upper

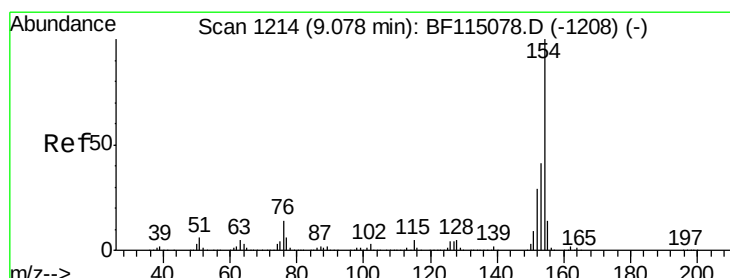
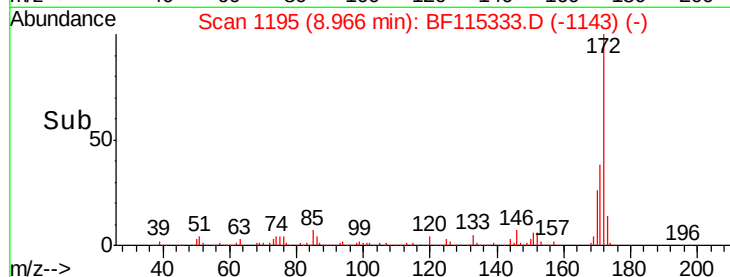
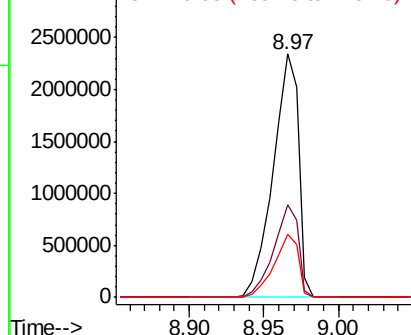
172 100

171 37.9 29.8 44.6

170 25.8 20.3 30.5



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



#46

1,1'-Biphenyl

Concen: 44.948 ng

RT: 9.07 min Scan# 1212

Delta R.T. 0.01 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

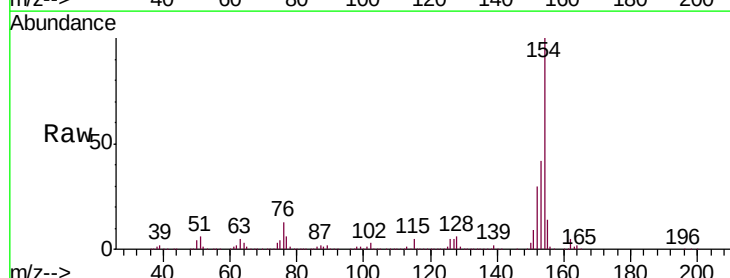
Tgt Ion:154 Resp: 1792624

Ion Ratio Lower Upper

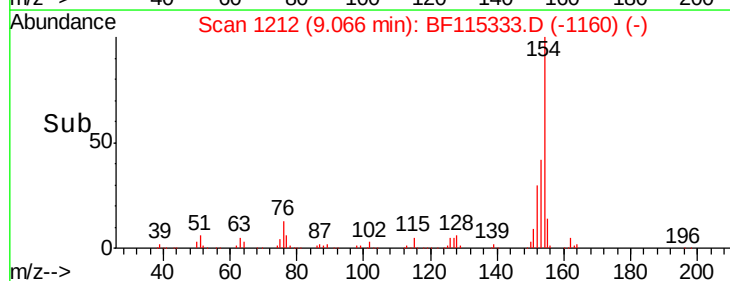
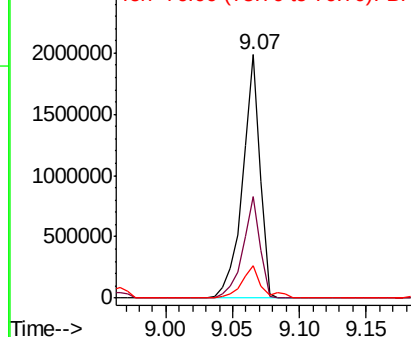
154 100

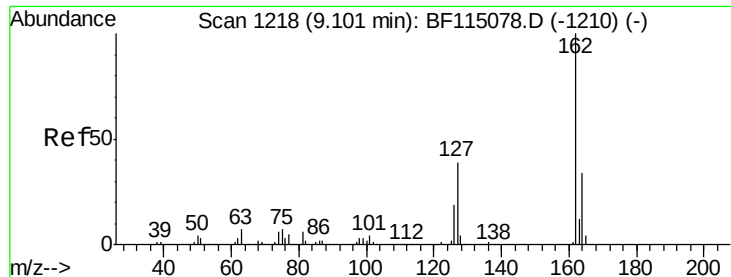
153 41.7 20.9 60.9

76 13.4 0.0 34.1



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): BF1





#47

2-Chloronaphthalene

Concen: 44.817 ng

RT: 9.09 min Scan# 1216

Delta R.T. 0.01 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

Instrument :

BNA\_F

ClientSampleId :

PB121019BS

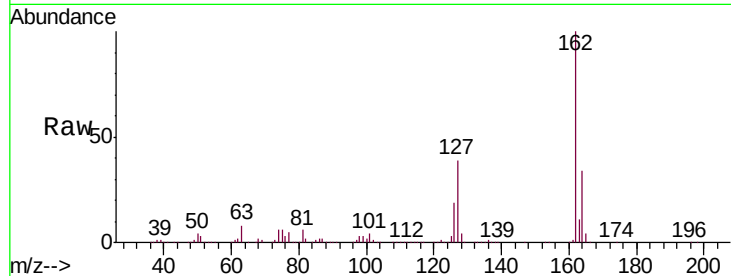
Tgt Ion:162 Resp: 1449871

Ion Ratio Lower Upper

162 100

127 38.6 30.8 46.2

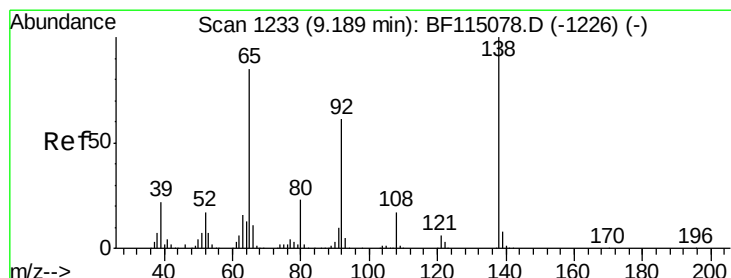
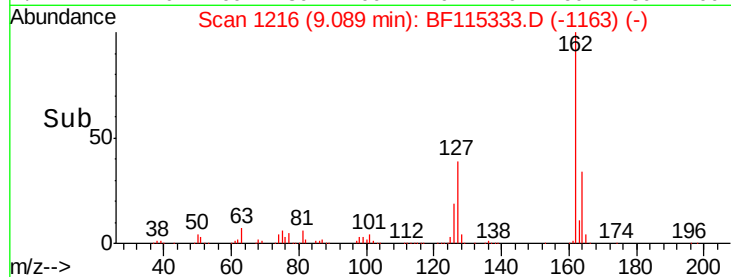
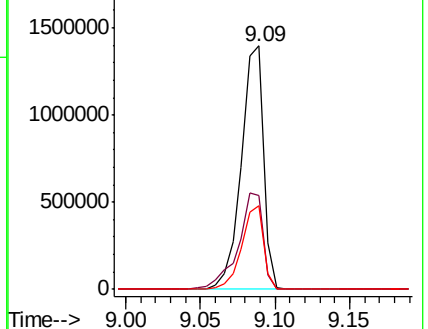
164 34.2 27.0 40.4



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 46.184 ng

RT: 9.18 min Scan# 1232

Delta R.T. 0.01 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

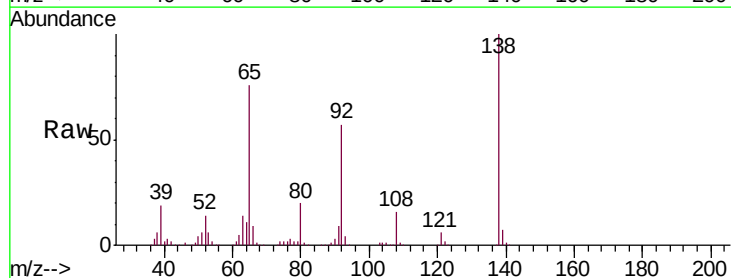
Tgt Ion: 65 Resp: 435590

Ion Ratio Lower Upper

65 100

92 74.7 57.4 86.2

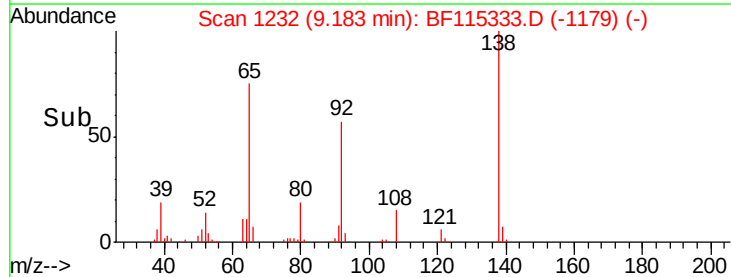
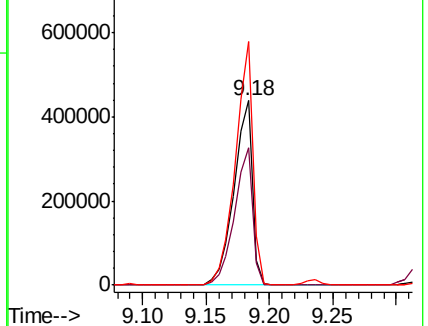
138 132.1 94.1 141.1

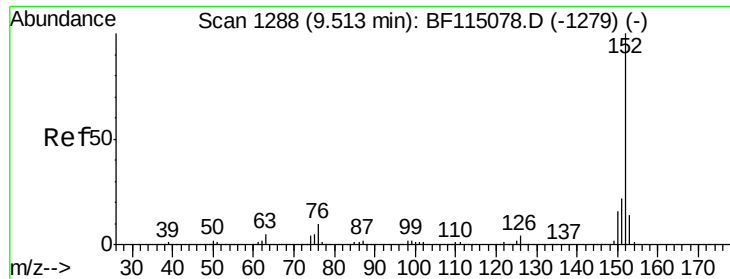


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 44.898 ng

RT: 9.50 min Scan# 1286

Delta R.T. 0.01 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

Instrument :

BNA\_F

ClientSampleId :

PB121019BS

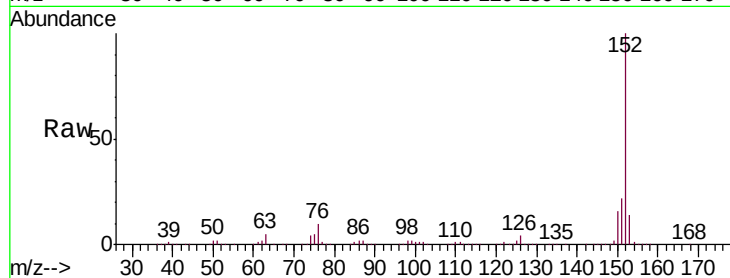
Tgt Ion:152 Resp: 2263038

Ion Ratio Lower Upper

152 100

151 21.9 17.2 25.8

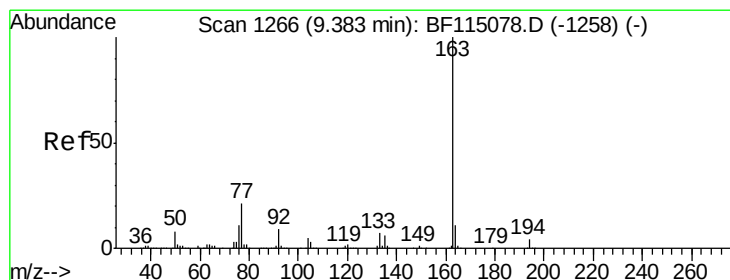
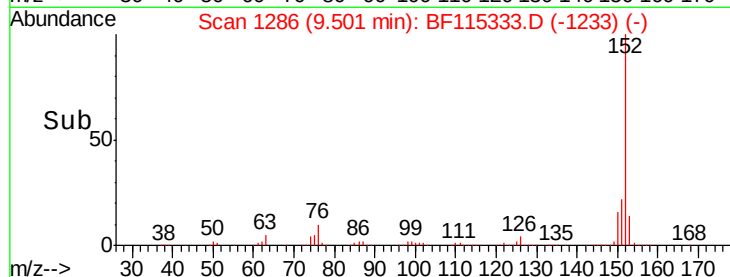
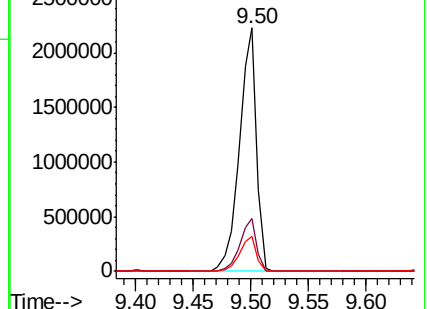
153 14.2 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 47.422 ng

RT: 9.37 min Scan# 1264

Delta R.T. 0.01 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

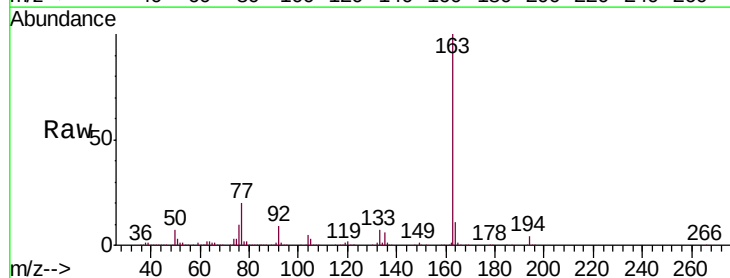
Tgt Ion:163 Resp: 1739028

Ion Ratio Lower Upper

163 100

194 4.2 3.2 4.8

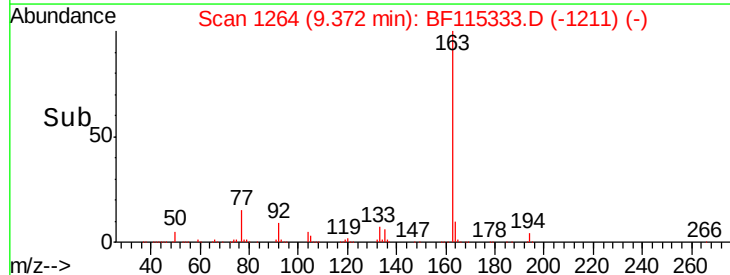
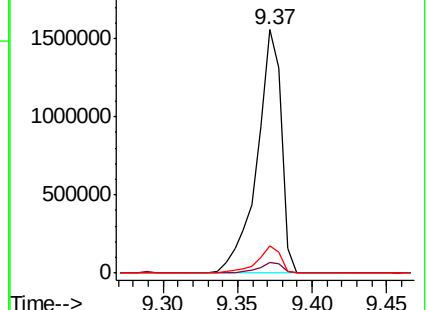
164 11.0 8.6 13.0

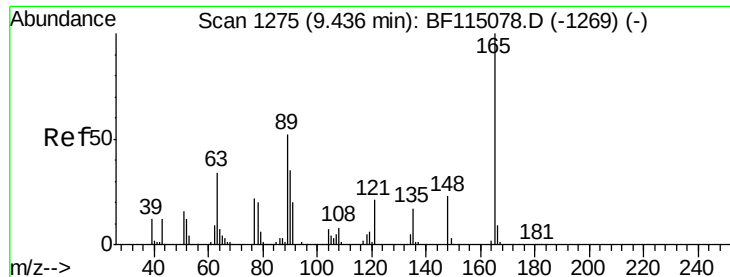


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 48.417 ng

RT: 9.43 min Scan# 1274

Delta R.T. 0.02 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

Instrument :

BNA\_F

ClientSampled :

PB121019BS

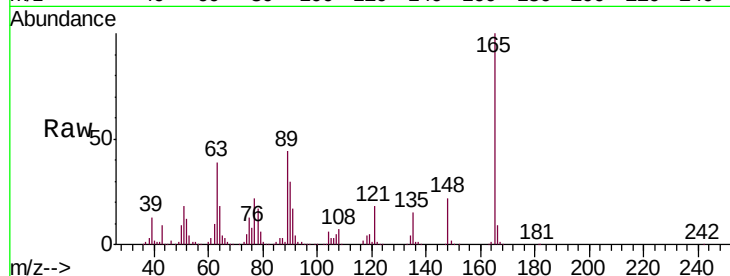
Tgt Ion:165 Resp: 409914

Ion Ratio Lower Upper

165 100

63 39.4 39.4 59.2#

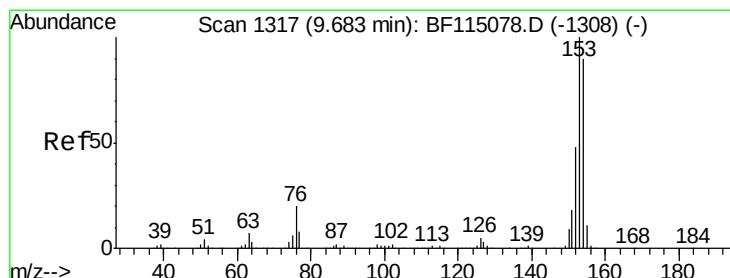
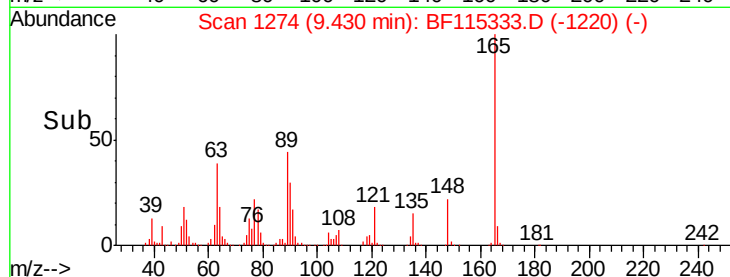
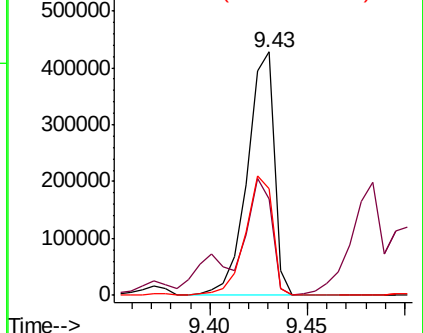
89 43.7 42.0 63.0



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



#52

Acenaphthene

Concen: 41.541 ng

RT: 9.67 min Scan# 1315

Delta R.T. 0.01 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

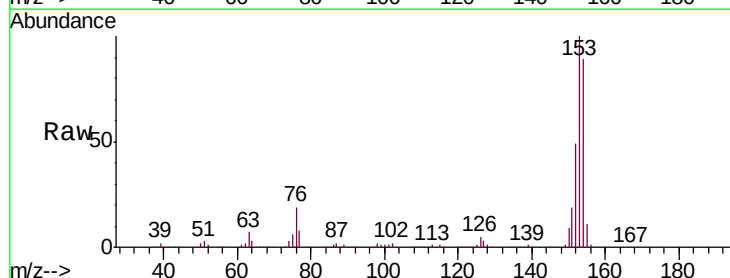
Tgt Ion:154 Resp: 1310193

Ion Ratio Lower Upper

154 100

153 112.5 88.7 133.1

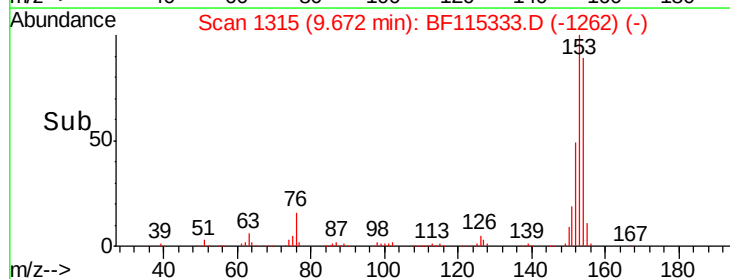
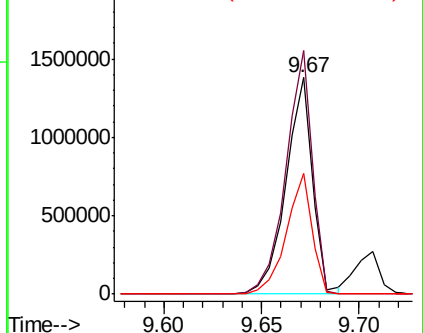
152 55.5 42.6 64.0

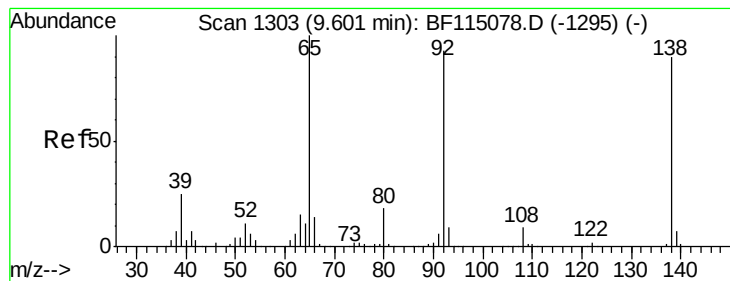


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 26.549 ng

RT: 9.59 min Scan# 1301

Delta R.T. 0.01 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

Instrument :

BNA\_F

ClientSampleId :

PB121019BS

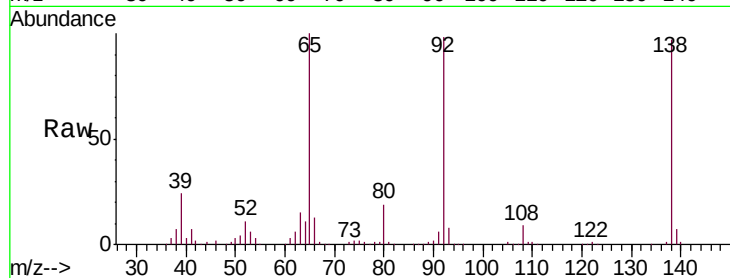
Tgt Ion:138 Resp: 274295

Ion Ratio Lower Upper

138 100

108 9.5 7.8 11.6

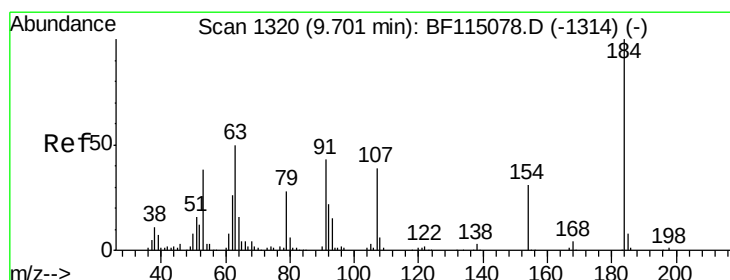
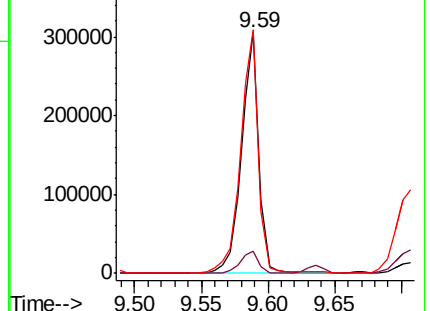
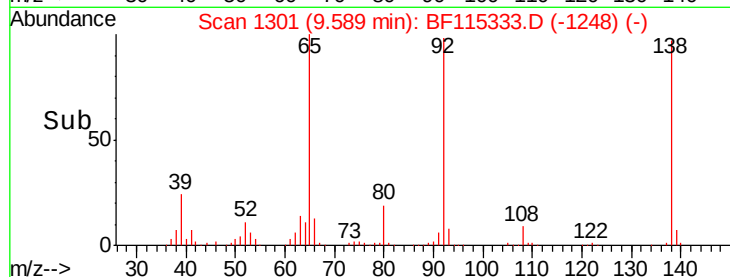
92 101.2 82.9 124.3



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

2,4-Dinitrophenol

Concen: 102.128 ng

RT: 9.71 min Scan# 1321

Delta R.T. 0.02 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

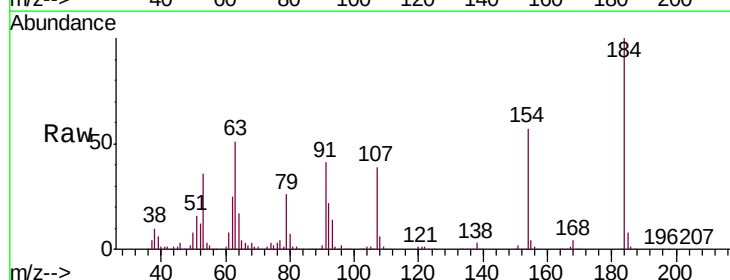
Tgt Ion:184 Resp: 454667

Ion Ratio Lower Upper

184 100

63 51.2 41.9 62.9

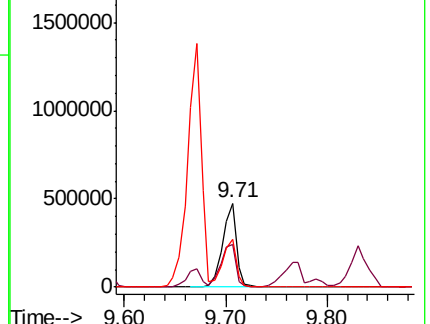
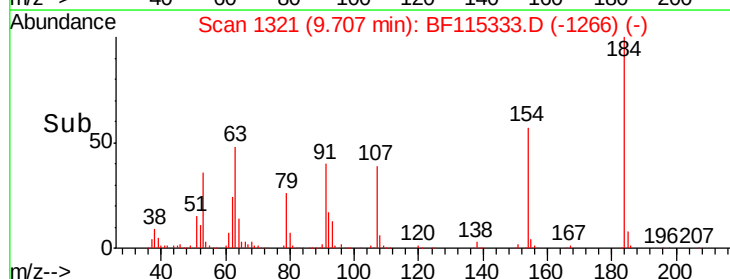
154 57.1 44.7 67.1

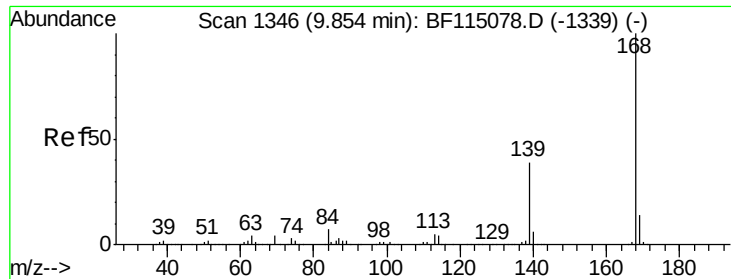


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

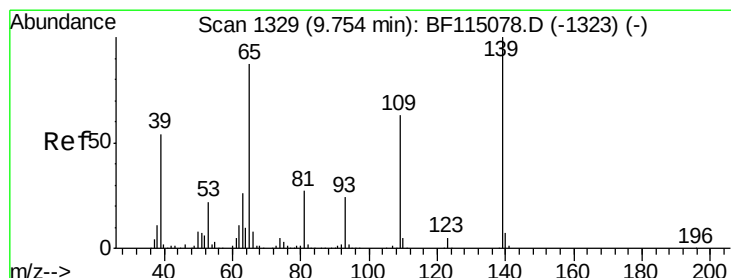
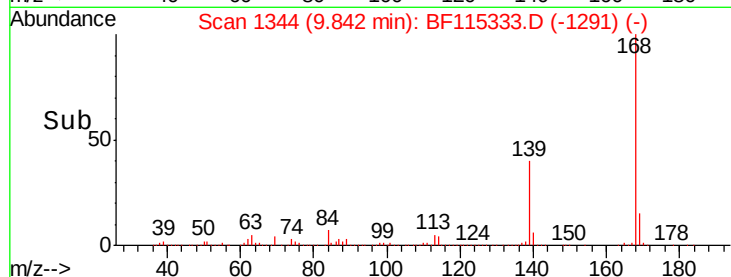
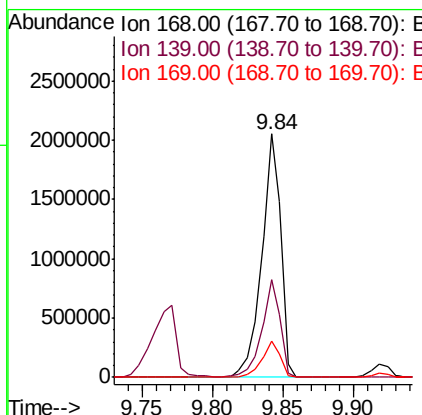
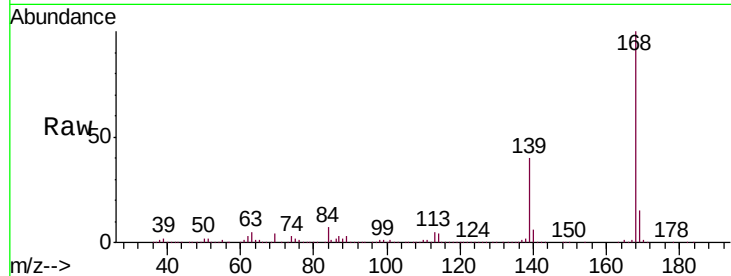




#55  
Dibenzofuran  
Concen: 43.211 ng  
RT: 9.84 min Scan# 1344  
Delta R.T. 0.01 min  
Lab File: BF115333.D  
Acq: 1 Jul 2019 12:34

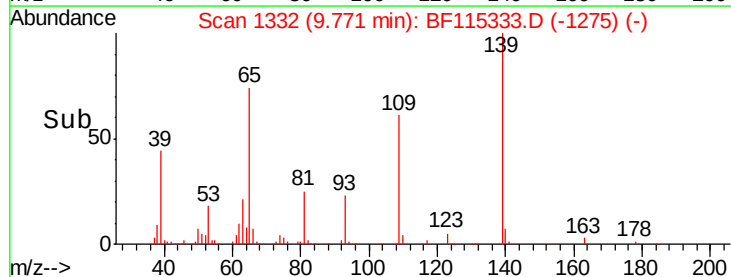
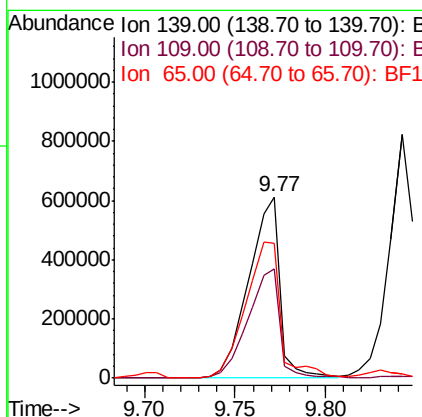
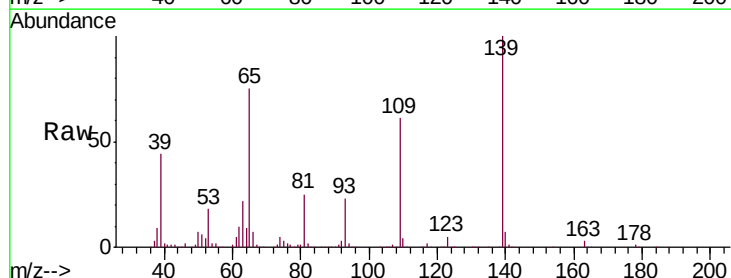
Instrument :  
BNA\_F  
ClientSampleId :  
PB121019BS

Tgt Ion:168 Resp: 1956091  
Ion Ratio Lower Upper  
168 100  
139 40.0 31.1 46.7  
169 14.7 11.3 16.9

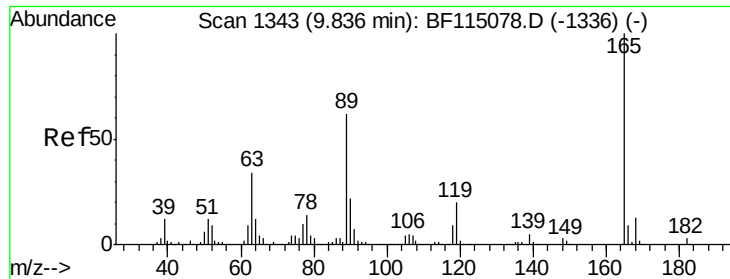


#56  
4-Nitrophenol  
Concen: 88.825 ng  
RT: 9.77 min Scan# 1332  
Delta R.T. 0.04 min  
Lab File: BF115333.D  
Acq: 1 Jul 2019 12:34

Tgt Ion:139 Resp: 735729  
Ion Ratio Lower Upper  
139 100  
109 60.7 43.0 83.0  
65 74.7 67.0 107.0



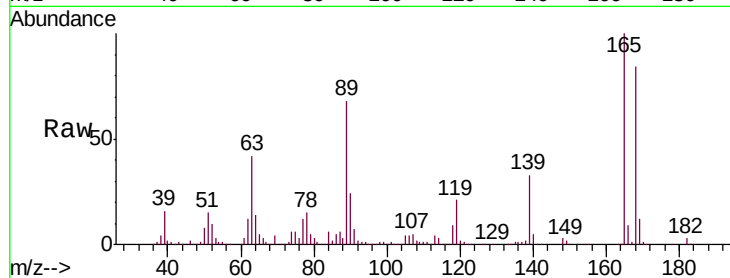




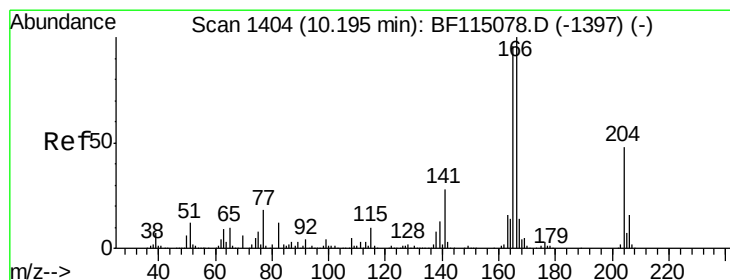
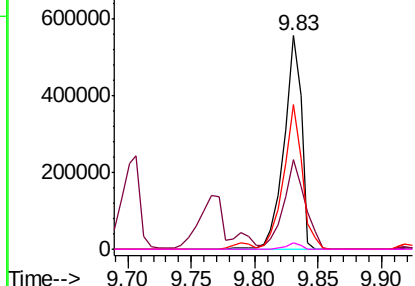
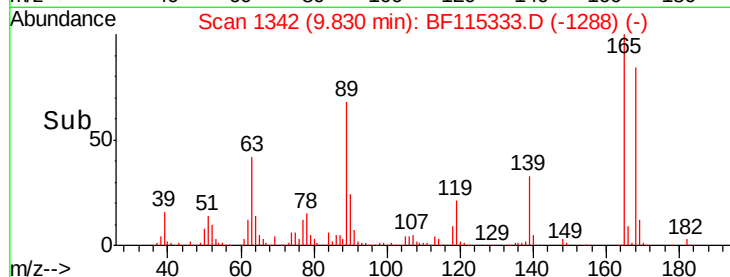
#57  
 2,4-Dinitrotoluene  
 Concen: 48.747 ng  
 RT: 9.83 min Scan# 1342  
 Delta R.T. 0.02 min  
 Lab File: BF115333.D  
 Acq: 1 Jul 2019 12:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121019BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 165   | Resp: | 532889 |
| Ion      | Ratio | Lower | Upper  |
| 165      | 100   |       |        |
| 63       | 42.0  | 27.5  | 41.3#  |
| 89       | 68.0  | 49.9  | 74.9   |
| 182      | 2.8   | 2.1   | 3.1    |

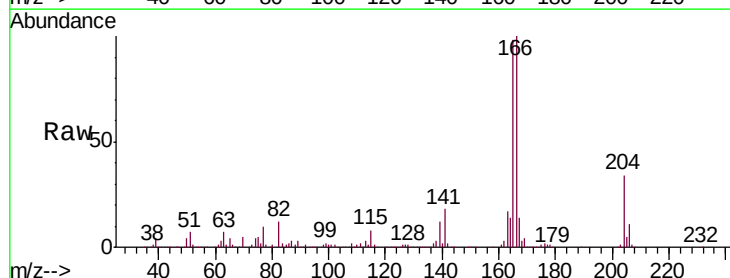


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E

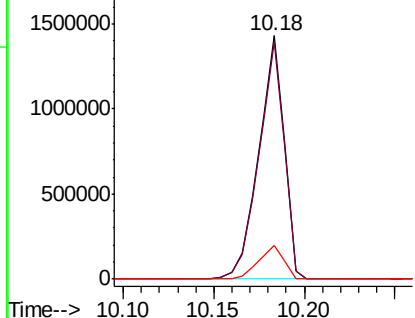
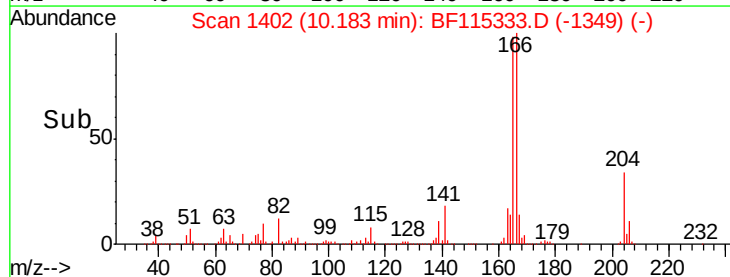


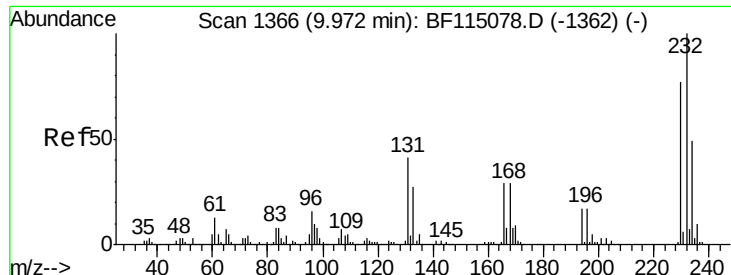
#58  
 Fluorene  
 Concen: 46.480 ng  
 RT: 10.18 min Scan# 1402  
 Delta R.T. 0.01 min  
 Lab File: BF115333.D  
 Acq: 1 Jul 2019 12:34

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 166   | Resp: | 1394361 |
| Ion      | Ratio | Lower | Upper   |
| 166      | 100   |       |         |
| 165      | 97.6  | 76.5  | 114.7   |
| 167      | 13.8  | 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

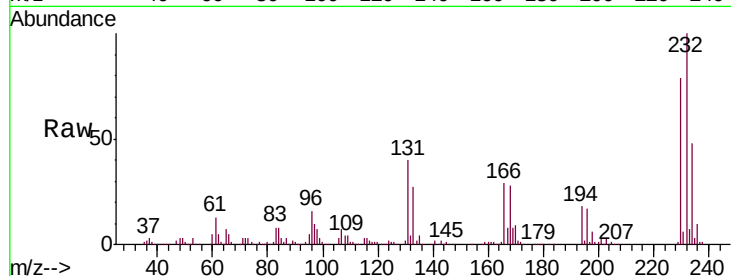




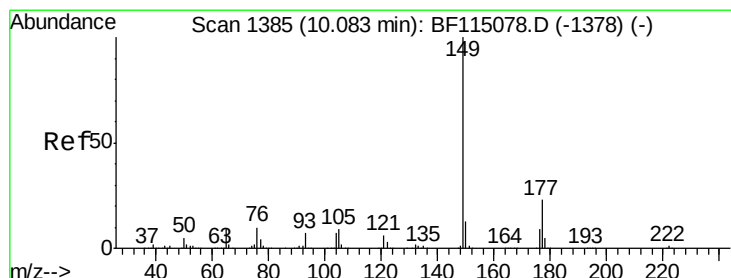
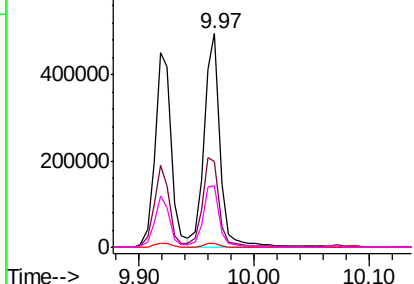
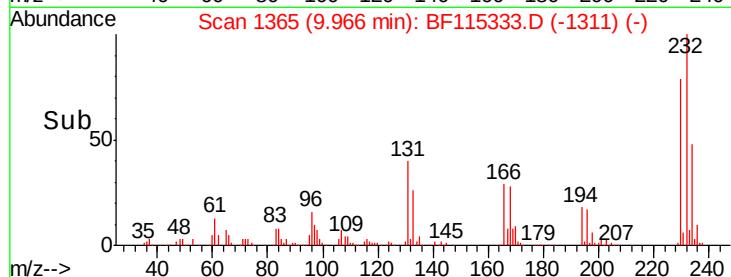
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 50.447 ng  
 RT: 9.97 min Scan# 1365  
 Delta R.T. 0.02 min  
 Lab File: BF115333.D  
 Acq: 1 Jul 2019 12:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121019BS

Tgt Ion: 232 Resp: 473706  
 Ion Ratio Lower Upper  
 232 100  
 131 44.8 37.4 56.0  
 130 2.2 1.8 2.6  
 166 29.9 24.6 36.8

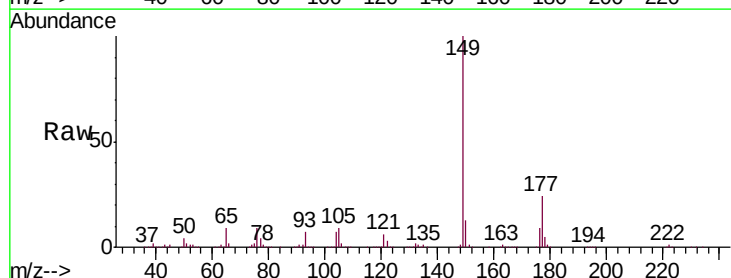


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

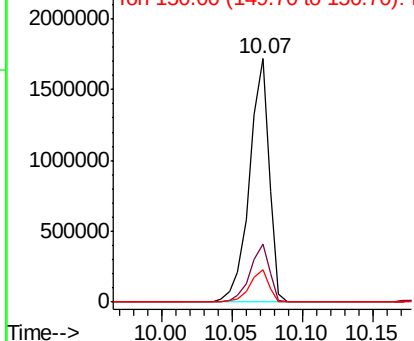
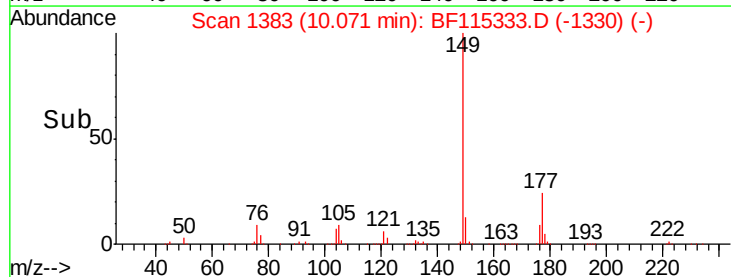


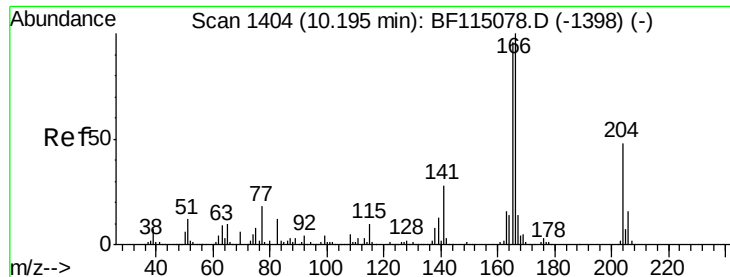
#60  
 Diethylphthalate  
 Concen: 45.823 ng  
 RT: 10.07 min Scan# 1383  
 Delta R.T. 0.01 min  
 Lab File: BF115333.D  
 Acq: 1 Jul 2019 12:34

Tgt Ion: 149 Resp: 1689163  
 Ion Ratio Lower Upper  
 149 100  
 177 23.9 18.7 28.1  
 150 13.1 10.4 15.6



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 177.00 (176.70 to 177.70): E  
 Ion 150.00 (149.70 to 150.70): E

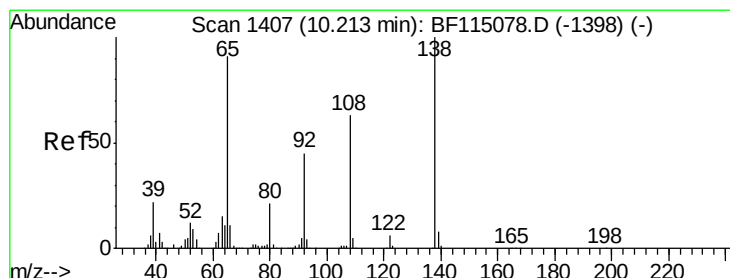
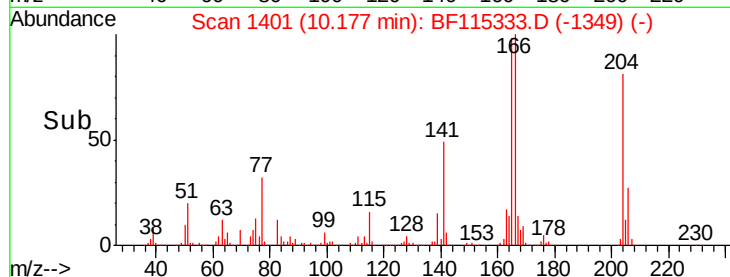
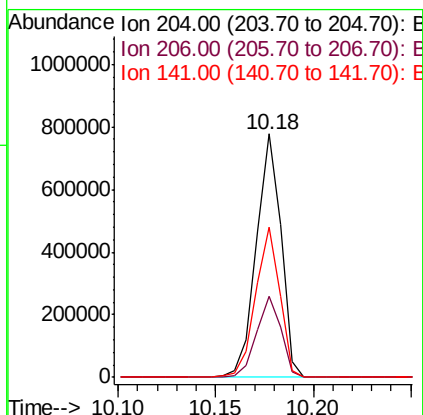
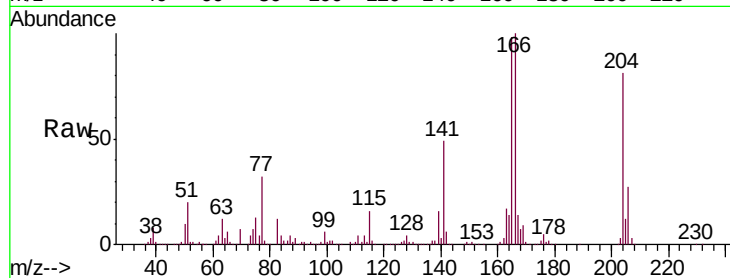




#61  
 4-Chlorophenyl-phenylether  
 Concen: 48.126 ng  
 RT: 10.18 min Scan# 1401  
 Delta R.T. 0.01 min  
 Lab File: BF115333.D  
 Acq: 1 Jul 2019 12:34

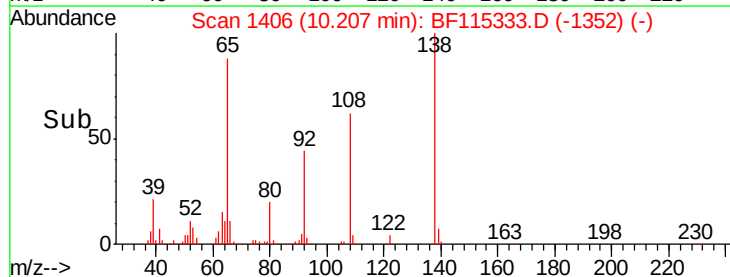
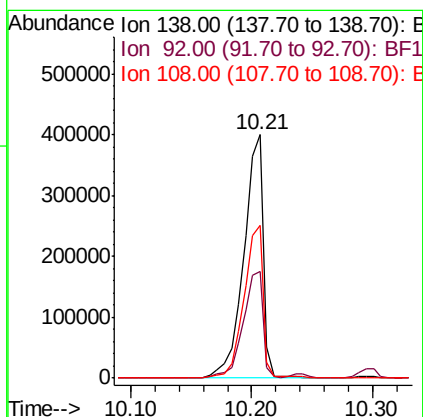
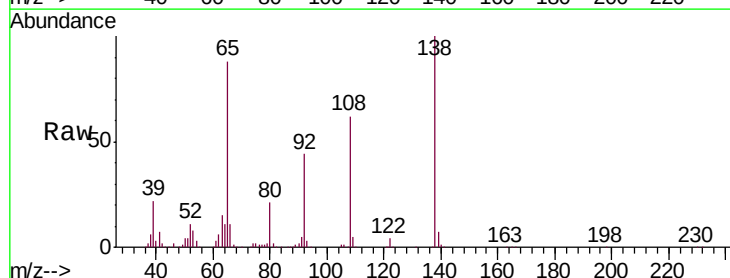
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121019BS

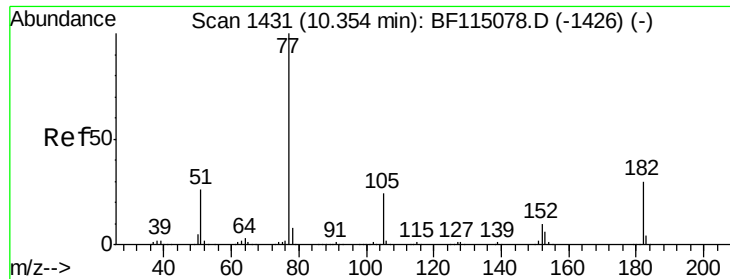
Tgt Ion: 204 Resp: 682527  
 Ion Ratio Lower Upper  
 204 100  
 206 33.5 26.6 40.0  
 141 61.5 46.7 70.1



#62  
 4-Nitroaniline  
 Concen: 43.641 ng  
 RT: 10.21 min Scan# 1406  
 Delta R.T. 0.02 min  
 Lab File: BF115333.D  
 Acq: 1 Jul 2019 12:34

Tgt Ion: 138 Resp: 452324  
 Ion Ratio Lower Upper  
 138 100  
 92 43.6 24.8 64.8  
 108 62.5 43.3 83.3

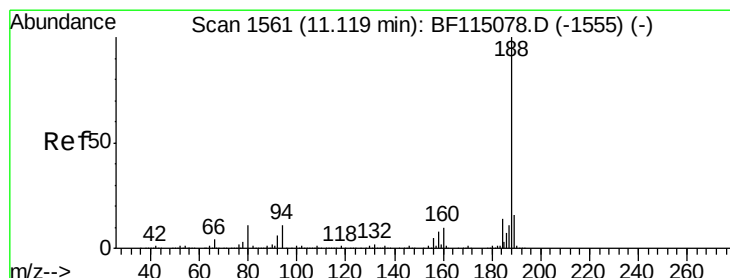
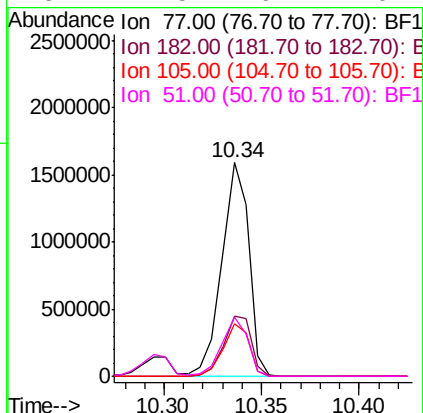
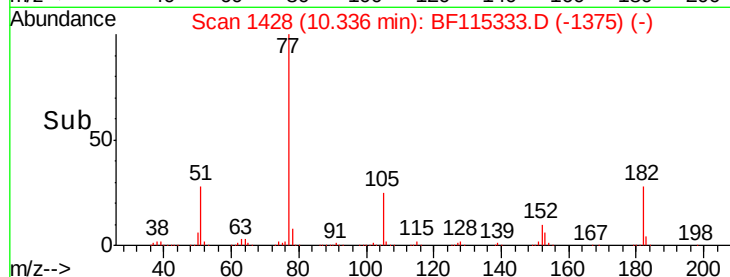
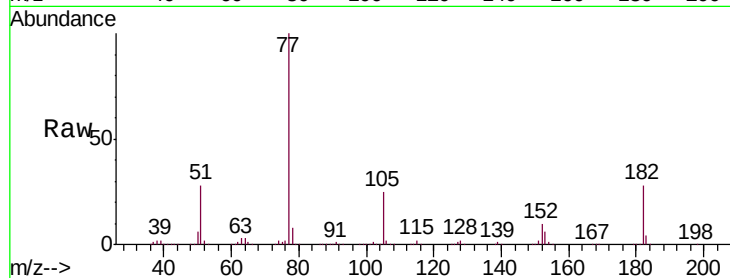




#63  
Azobenzene  
Concen: 44.105 ng  
RT: 10.34 min Scan# 1428  
Delta R.T. 0.01 min  
Lab File: BF115333.D  
Acq: 1 Jul 2019 12:34

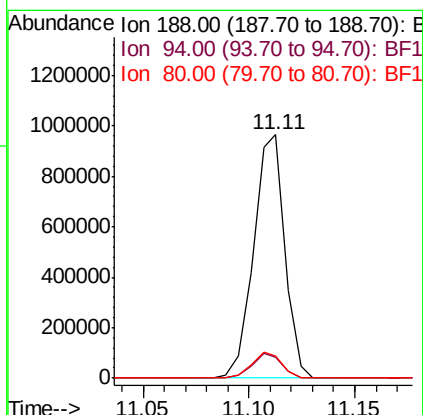
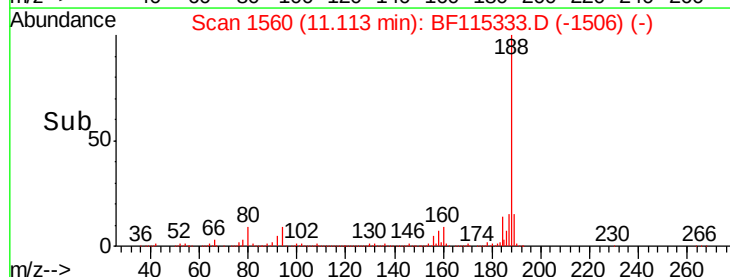
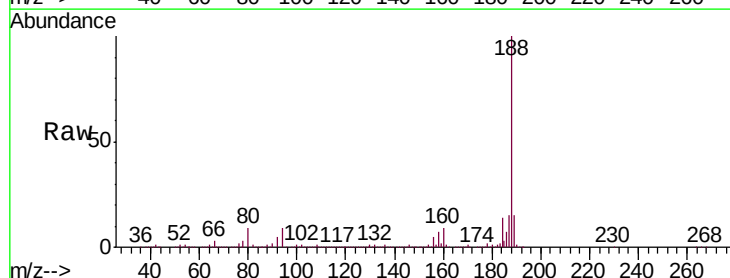
Instrument :  
BNA\_F  
ClientSampleId :  
PB121019BS

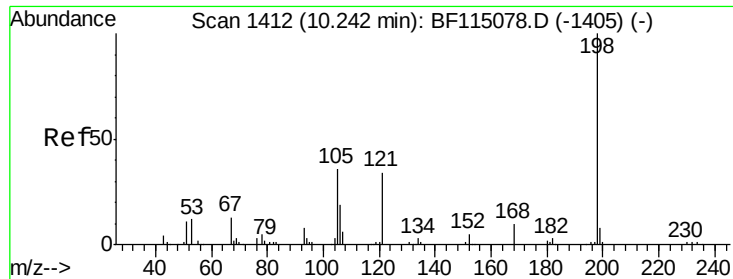
Tgt Ion: 77 Resp: 1518587  
Ion Ratio Lower Upper  
77 100  
182 28.4 10.1 50.1  
105 24.7 4.5 44.5  
51 27.5 6.4 46.4



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.11 min Scan# 1560  
Delta R.T. 0.02 min  
Lab File: BF115333.D  
Acq: 1 Jul 2019 12:34

Tgt Ion: 188 Resp: 987970  
Ion Ratio Lower Upper  
188 100  
94 8.8 8.6 12.8  
80 9.4 8.8 13.2

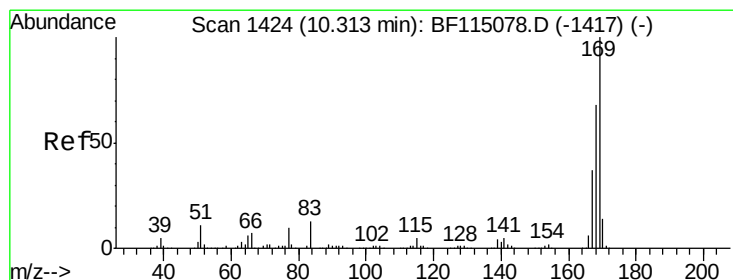
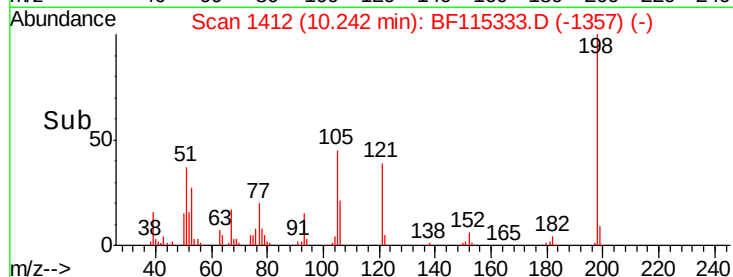
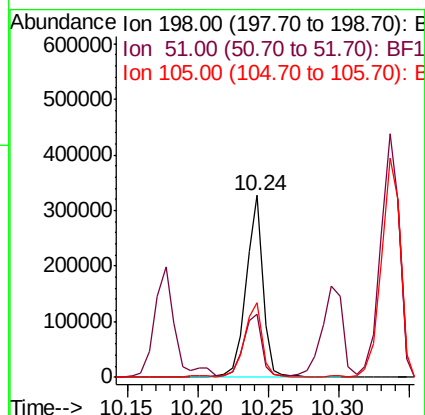
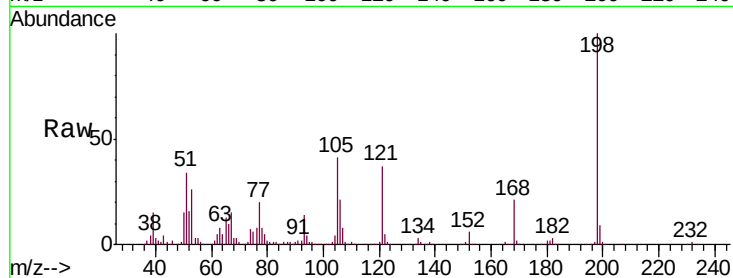




#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 51.401 ng  
 RT: 10.24 min Scan# 1412  
 Delta R.T. 0.02 min  
 Lab File: BF115333.D  
 Acq: 1 Jul 2019 12:34

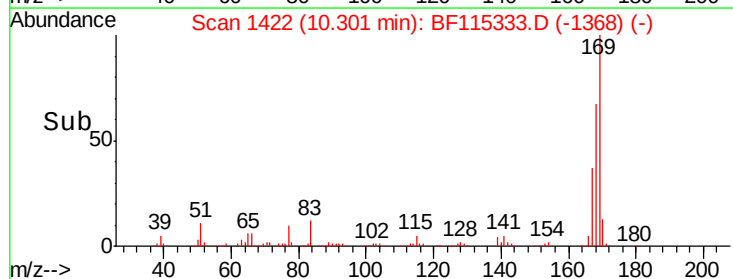
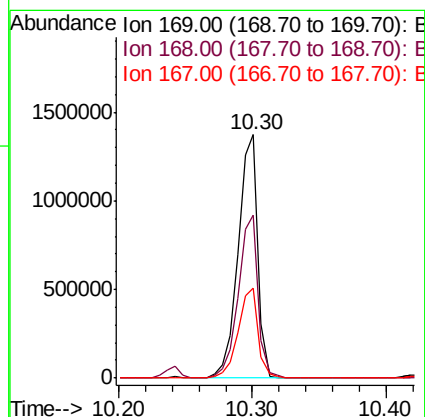
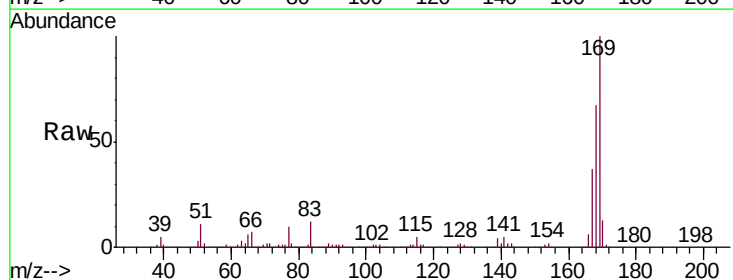
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121019BS

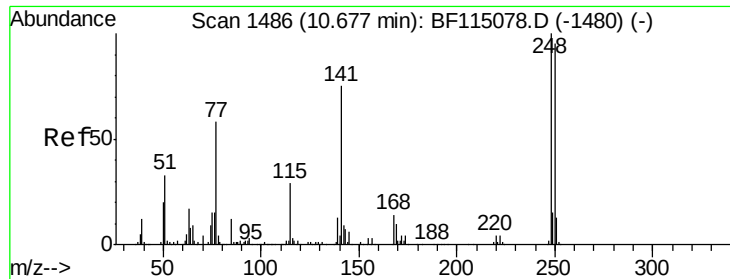
Tgt Ion:198 Resp: 272269  
 Ion Ratio Lower Upper  
 198 100  
 51 34.4 11.0 51.0  
 105 41.1 17.3 57.3



#66  
 n-Nitrosodiphenylamine  
 Concen: 45.833 ng  
 RT: 10.30 min Scan# 1422  
 Delta R.T. 0.02 min  
 Lab File: BF115333.D  
 Acq: 1 Jul 2019 12:34

Tgt Ion:169 Resp: 1410731  
 Ion Ratio Lower Upper  
 169 100  
 168 67.1 54.2 81.4  
 167 37.2 29.4 44.0

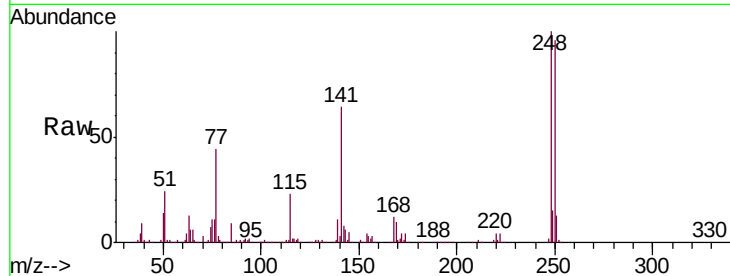




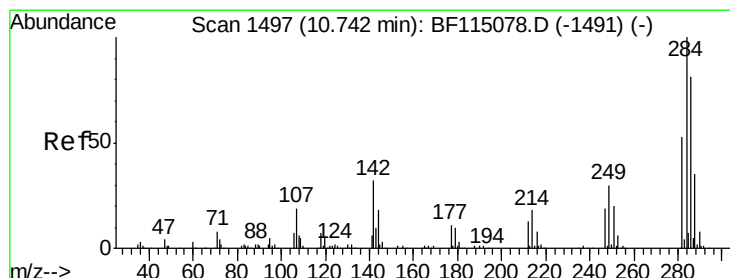
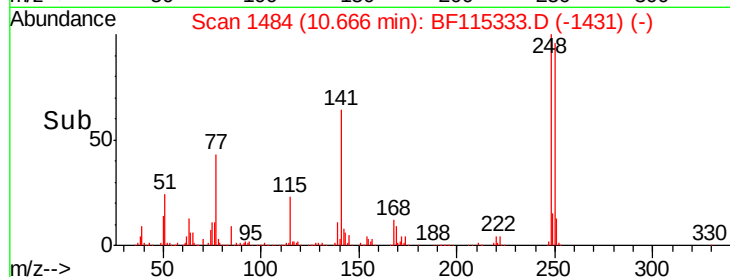
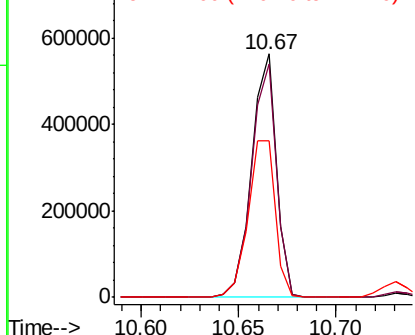
#67  
4-Bromophenyl-phenylether  
Concen: 46.257 ng  
RT: 10.67 min Scan# 1484  
Delta R.T. 0.01 min  
Lab File: BF115333.D  
Acq: 1 Jul 2019 12:34

Instrument :  
BNA\_F  
ClientSampleId :  
PB121019BS

Tgt Ion:248 Resp: 495487  
Ion Ratio Lower Upper  
248 100  
250 96.0 76.2 114.2  
141 64.3 59.6 89.4

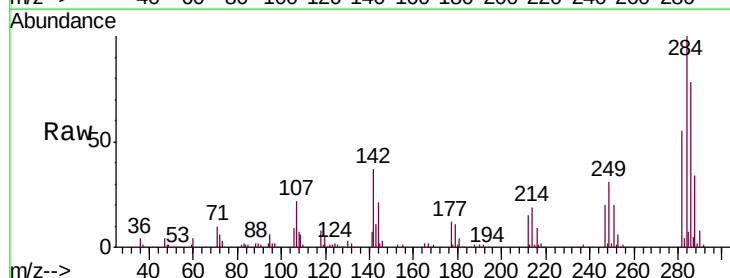


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

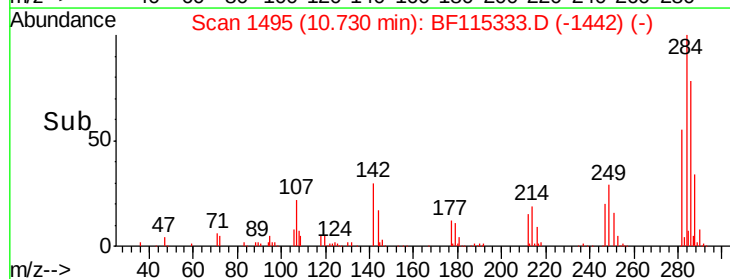
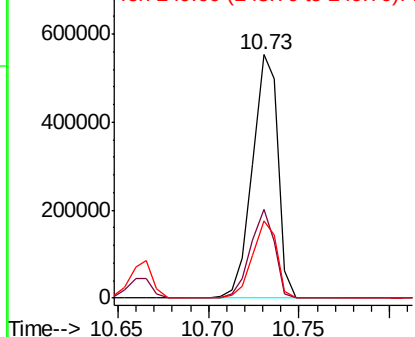


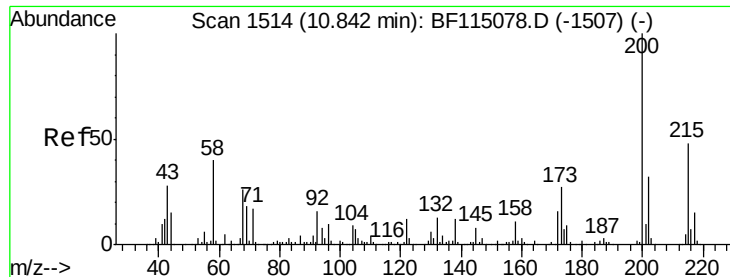
#68  
Hexachlorobenzene  
Concen: 46.582 ng  
RT: 10.73 min Scan# 1495  
Delta R.T. 0.01 min  
Lab File: BF115333.D  
Acq: 1 Jul 2019 12:34

Tgt Ion:284 Resp: 541605  
Ion Ratio Lower Upper  
284 100  
142 36.6 25.8 38.8  
249 31.5 24.2 36.4



Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

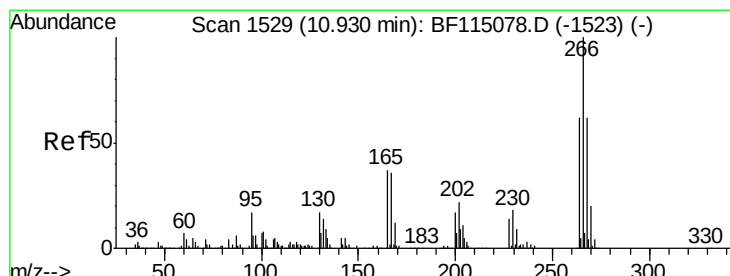
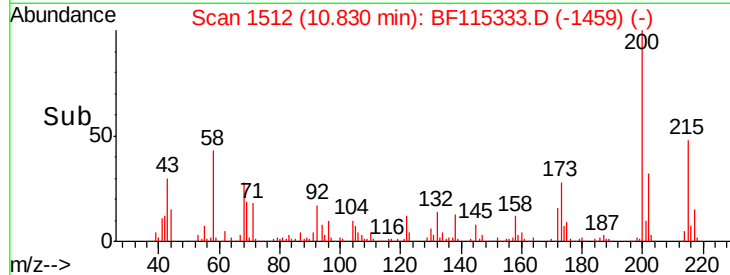
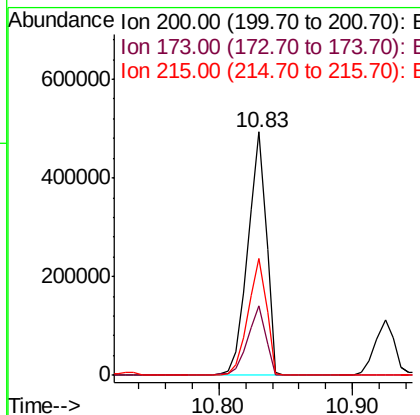
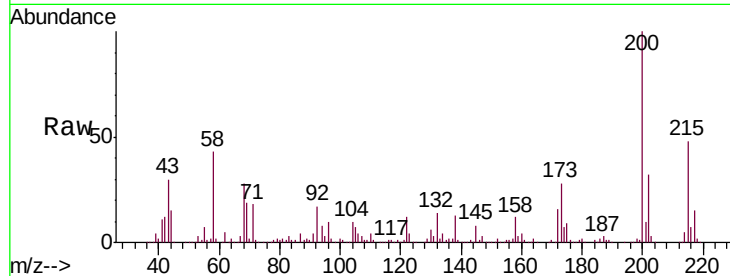




#69  
 Atrazine  
 Concen: 47.280 ng  
 RT: 10.83 min Scan# 1512  
 Delta R.T. 0.01 min  
 Lab File: BF115333.D  
 Acq: 1 Jul 2019 12:34

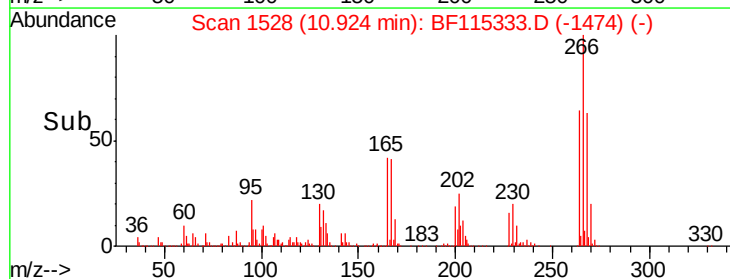
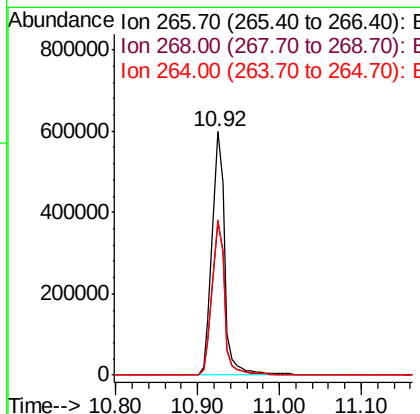
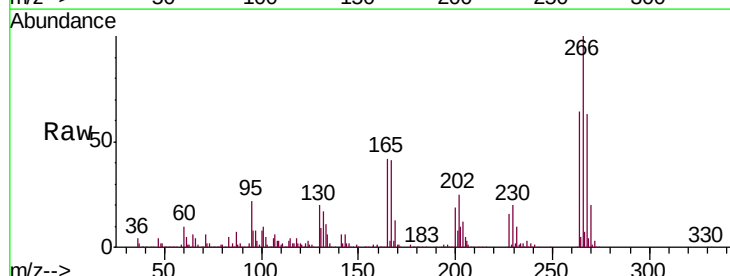
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121019BS

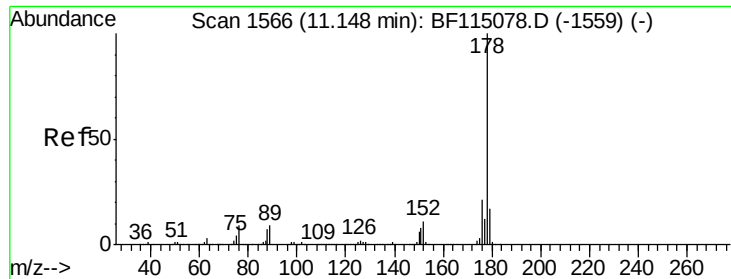
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 28.3  | 7.4   | 47.4  |
| 215     | 48.0  | 27.8  | 67.8  |



#70  
 Pentachlorophenol  
 Concen: 88.105 ng  
 RT: 10.92 min Scan# 1528  
 Delta R.T. 0.02 min  
 Lab File: BF115333.D  
 Acq: 1 Jul 2019 12:34

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.0  | 49.5  | 74.3  |
| 264     | 64.0  | 49.3  | 73.9  |

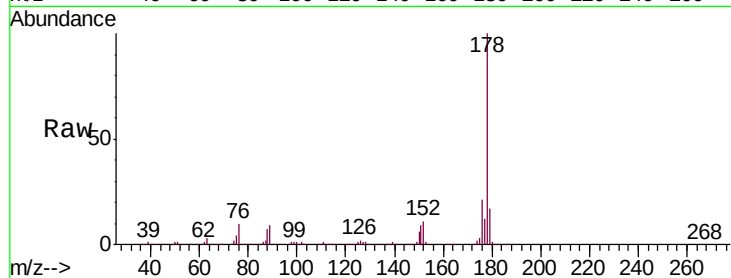




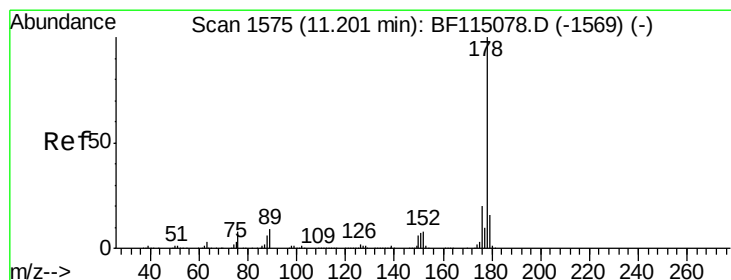
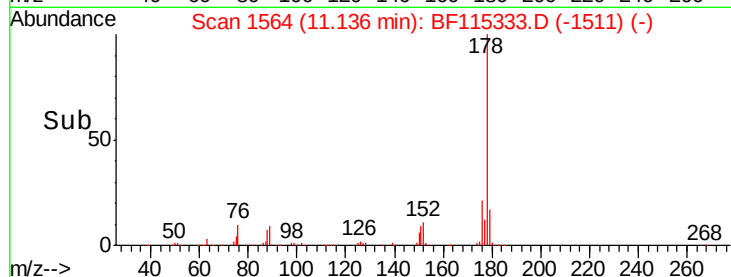
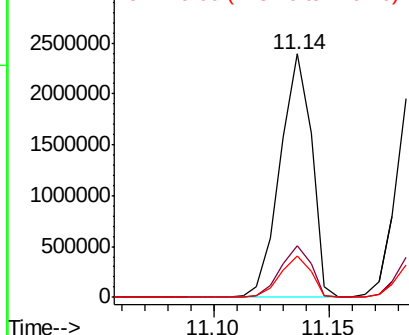
#71  
Phenanthrene  
Concen: 42.543 ng  
RT: 11.14 min Scan# 1564  
Delta R.T. 0.01 min  
Lab File: BF115333.D  
Acq: 1 Jul 2019 12:34

Instrument :  
BNA\_F  
ClientSampleId :  
PB121019BS

Tgt Ion:178 Resp: 2263038  
Ion Ratio Lower Upper  
178 100  
176 21.4 16.9 25.3  
179 16.8 13.2 19.8

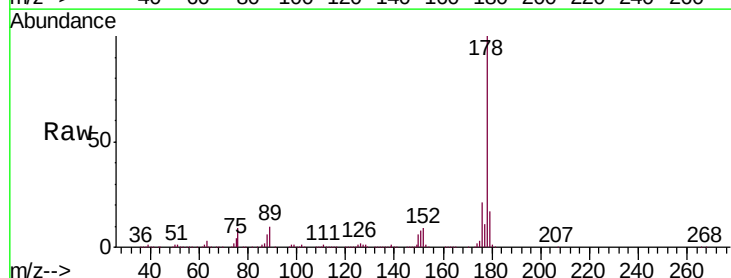


Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

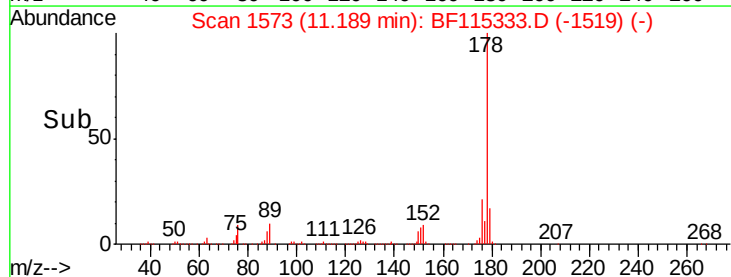
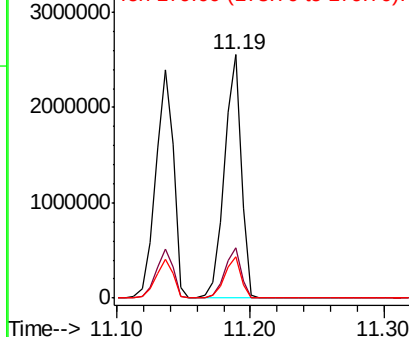


#72  
Anthracene  
Concen: 42.632 ng  
RT: 11.19 min Scan# 1573  
Delta R.T. 0.02 min  
Lab File: BF115333.D  
Acq: 1 Jul 2019 12:34

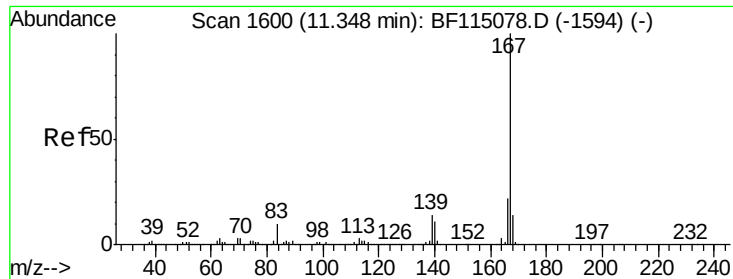
Tgt Ion:178 Resp: 2289137  
Ion Ratio Lower Upper  
178 100  
176 20.8 16.1 24.1  
179 17.0 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E



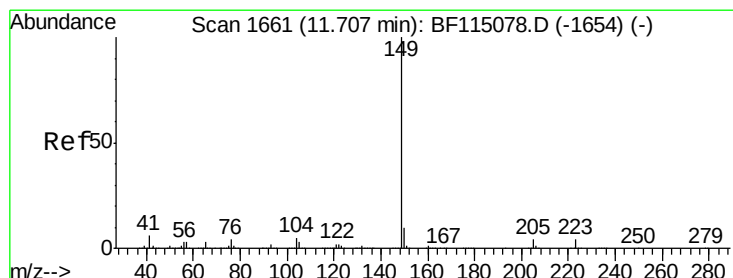
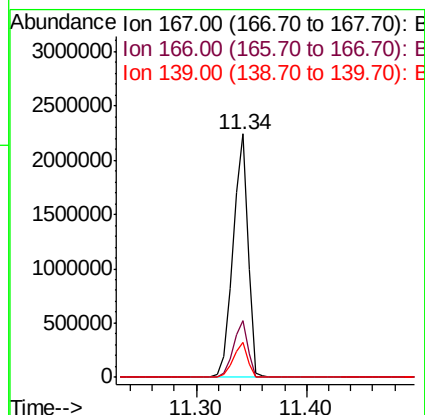
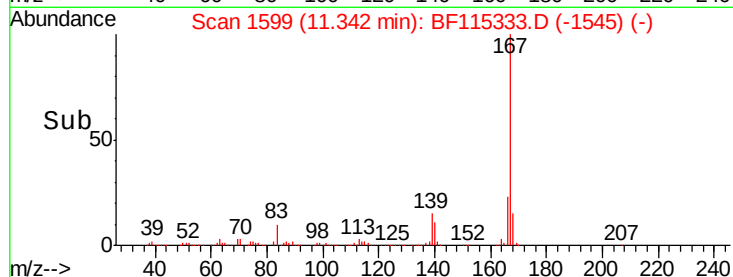
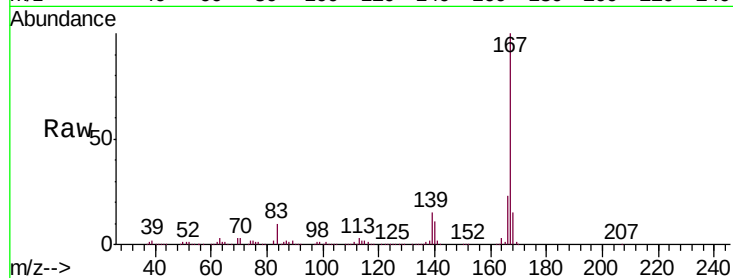




#73  
 Carbazole  
 Concen: 44.658 ng  
 RT: 11.34 min Scan# 1599  
 Delta R.T. 0.02 min  
 Lab File: BF115333.D  
 Acq: 1 Jul 2019 12:34

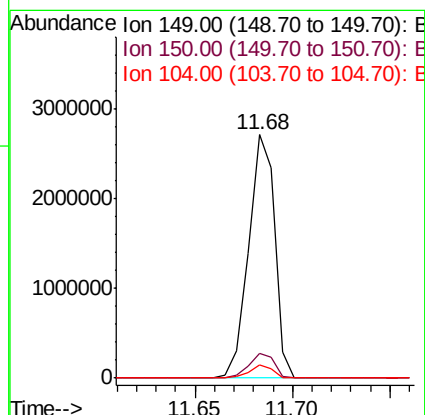
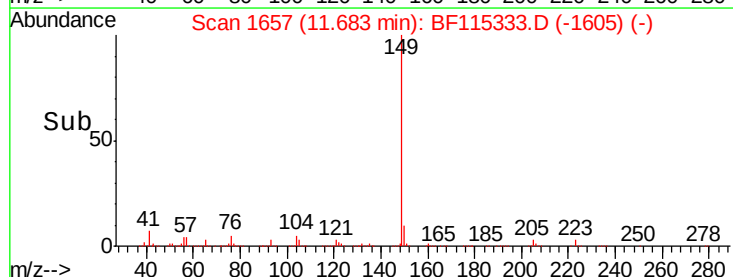
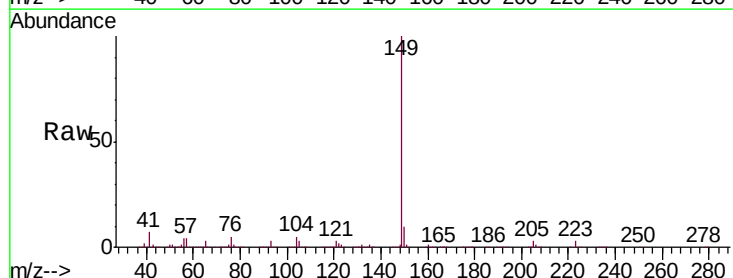
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121019BS

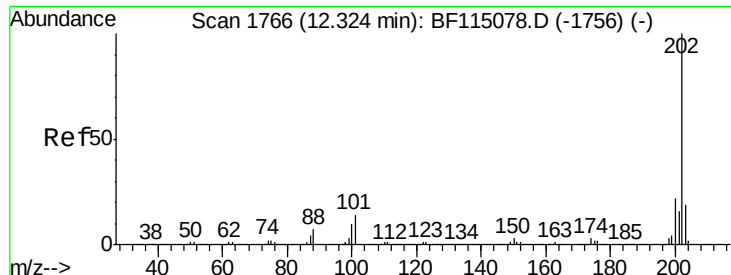
Tgt Ion:167 Resp: 2141273  
 Ion Ratio Lower Upper  
 167 100  
 166 23.3 18.0 27.0  
 139 14.6 11.1 16.7



#74  
 Di-n-butylphthalate  
 Concen: 45.190 ng  
 RT: 11.68 min Scan# 1657  
 Delta R.T. 0.01 min  
 Lab File: BF115333.D  
 Acq: 1 Jul 2019 12:34

Tgt Ion:149 Resp: 2503812  
 Ion Ratio Lower Upper  
 149 100  
 150 10.4 7.8 11.8  
 104 5.2 3.7 5.5

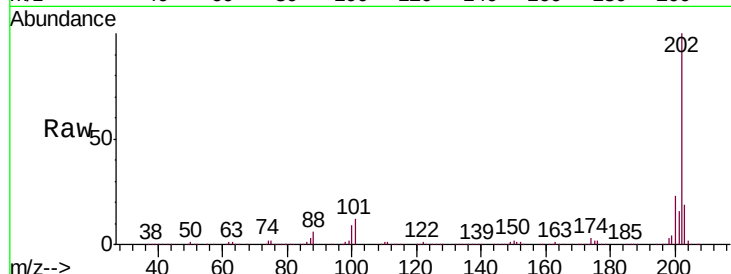




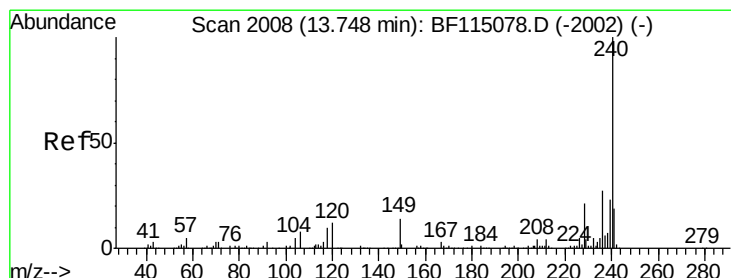
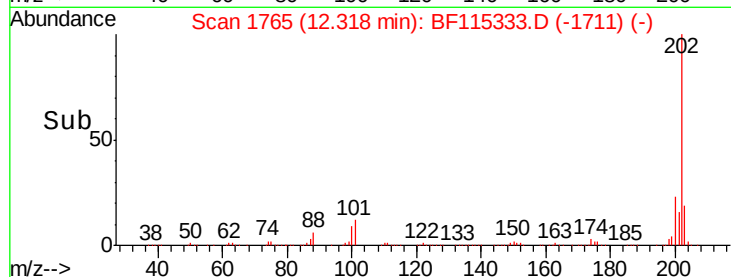
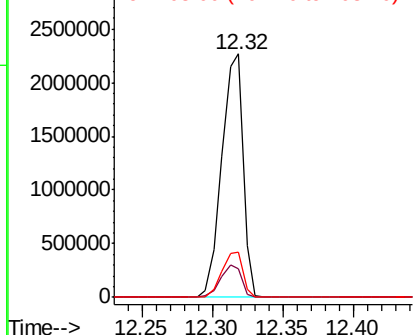
#75  
 Fluoranthene  
 Concen: 44.829 ng  
 RT: 12.32 min Scan# 1765  
 Delta R.T. 0.02 min  
 Lab File: BF115333.D  
 Acq: 1 Jul 2019 12:34

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121019BS

Tgt Ion: 202 Resp: 2379220  
 Ion Ratio Lower Upper  
 202 100  
 101 12.0 0.0 34.0  
 203 18.7 0.0 38.8

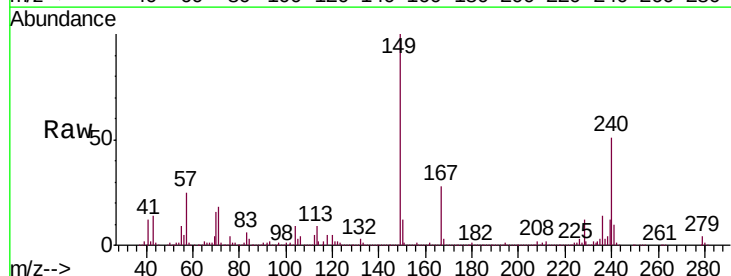


Abundance Ion 202.00 (201.70 to 202.70): E  
 Ion 101.00 (100.70 to 101.70): E  
 Ion 203.00 (202.70 to 203.70): E

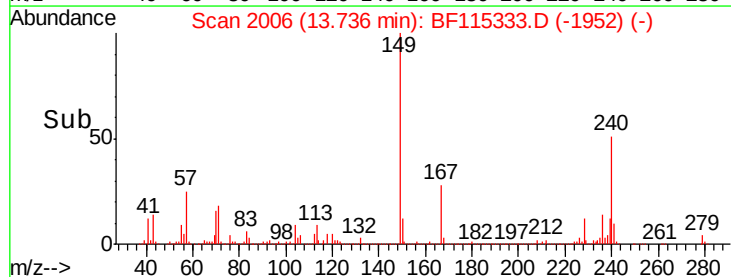
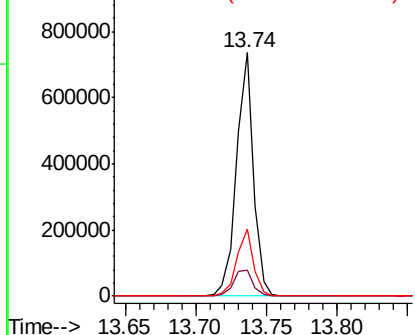


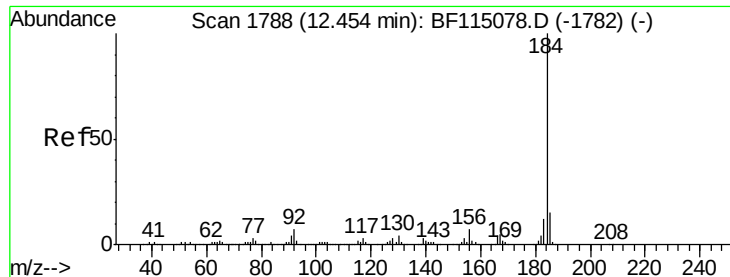
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.74 min Scan# 2006  
 Delta R.T. 0.02 min  
 Lab File: BF115333.D  
 Acq: 1 Jul 2019 12:34

Tgt Ion: 240 Resp: 615366  
 Ion Ratio Lower Upper  
 240 100  
 120 10.8 9.4 14.2  
 236 27.3 21.7 32.5



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





#77

Benzidine

Concen: 26.063 ng

RT: 12.44 min Scan# 1785

Delta R.T. 0.01 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

Instrument :

BNA\_F

ClientSampleId :

PB121019BS

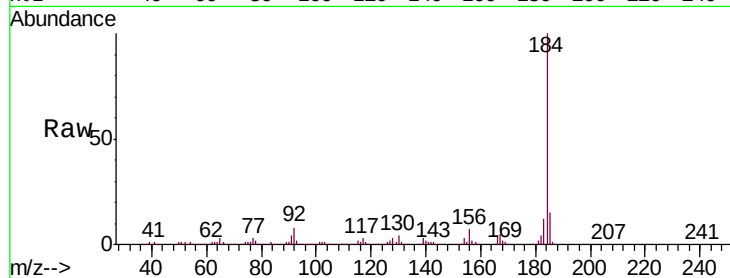
Tgt Ion:184 Resp: 712164

Ion Ratio Lower Upper

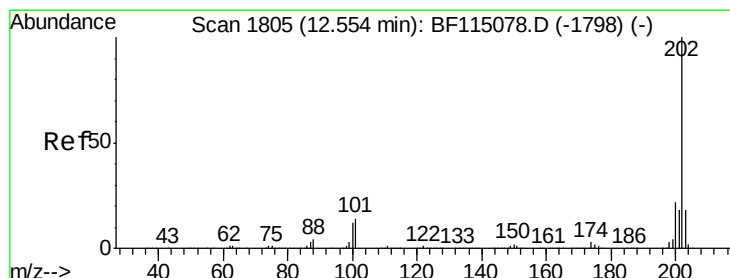
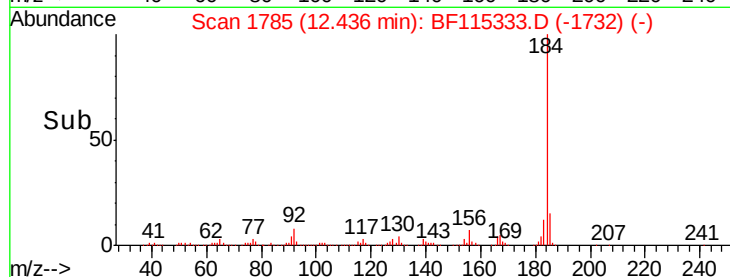
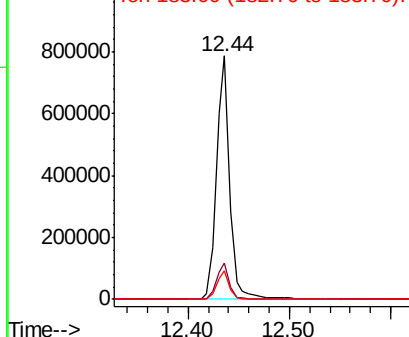
184 100

185 14.7 12.2 18.2

183 11.6 9.6 14.4



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 185.00 (184.70 to 185.70): E  
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 50.432 ng

RT: 12.54 min Scan# 1803

Delta R.T. 0.02 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

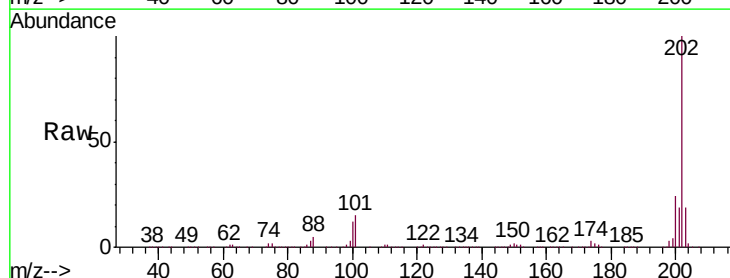
Tgt Ion:202 Resp: 2385012

Ion Ratio Lower Upper

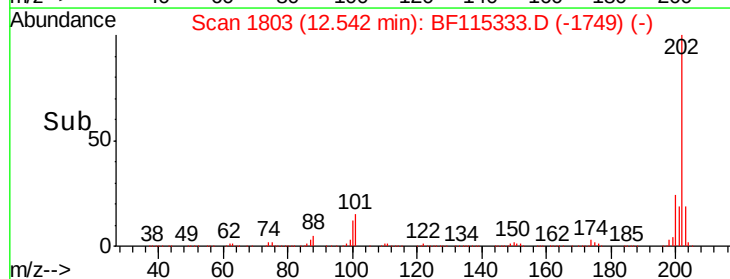
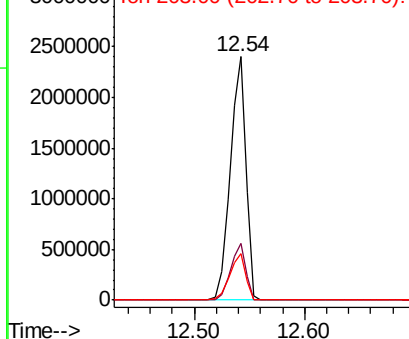
202 100

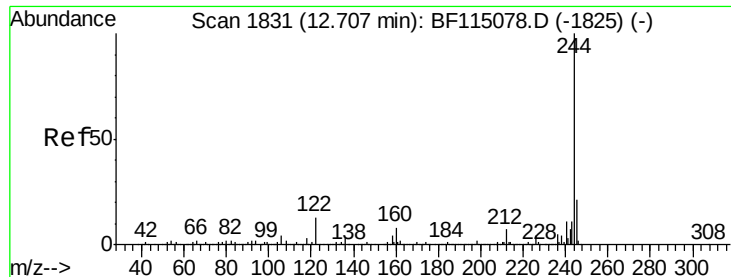
200 23.6 17.9 26.9

203 18.9 14.6 21.8



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: 103.112 ng

RT: 12.69 min Scan# 1829

Delta R.T. 0.01 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

Instrument :

BNA\_F

ClientSampleId :

PB121019BS

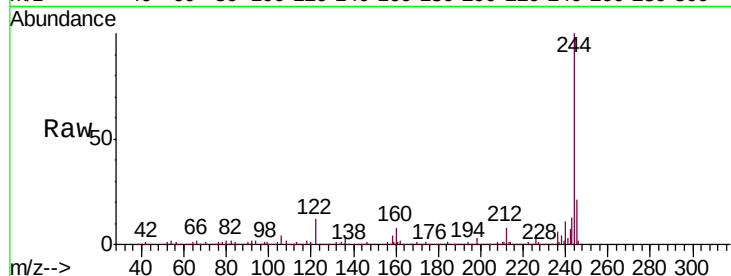
Tgt Ion:244 Resp: 2984338

Ion Ratio Lower Upper

244 100

212 7.5 5.8 8.6

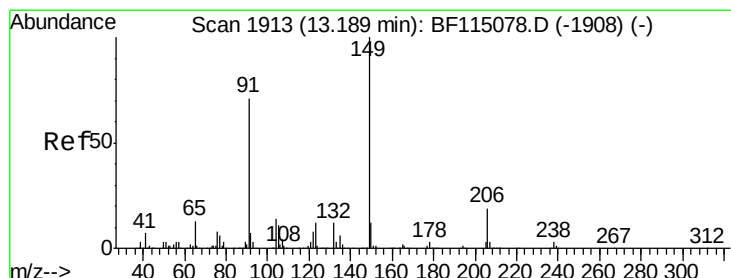
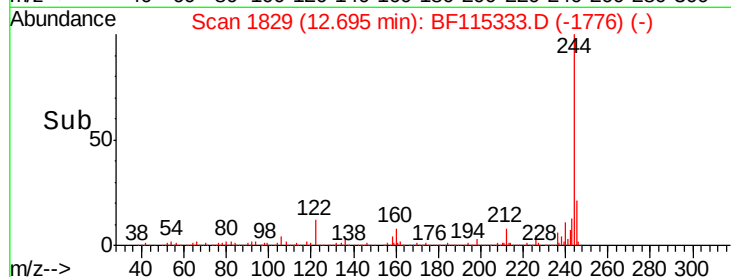
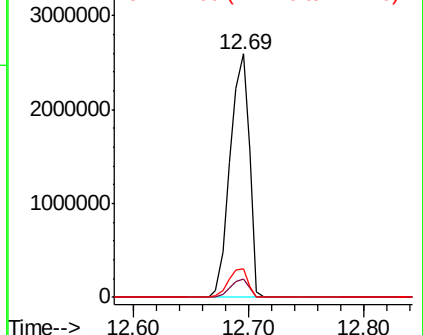
122 11.8 10.4 15.6



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



#80

Butylbenzylphthalate

Concen: 55.709 ng

RT: 13.17 min Scan# 1910

Delta R.T. 0.01 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

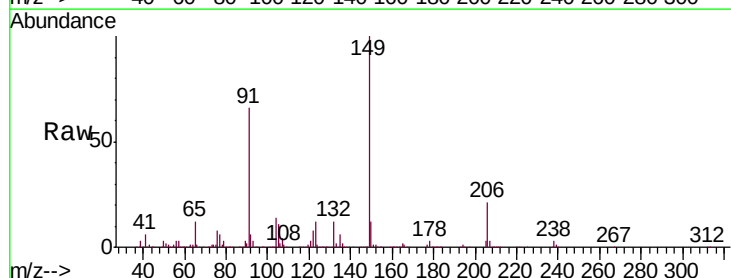
Tgt Ion:149 Resp: 1162655

Ion Ratio Lower Upper

149 100

91 66.5 56.5 84.7

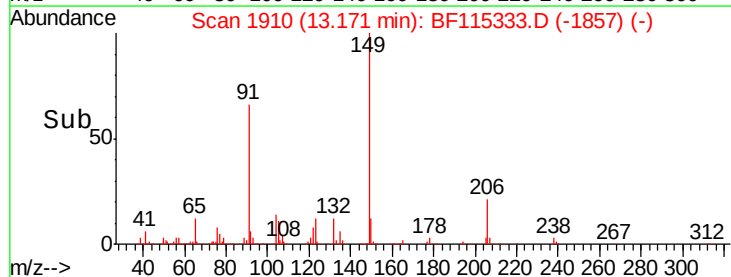
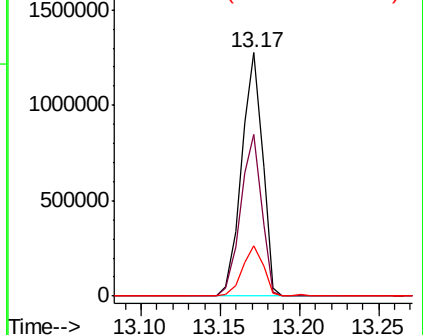
206 20.8 15.3 22.9

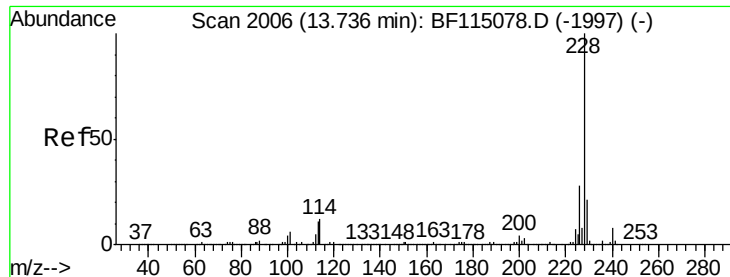


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 49.418 ng

RT: 13.72 min Scan# 2004

Delta R.T. 0.02 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

Instrument :

BNA\_F

ClientSampleId :

PB121019BS

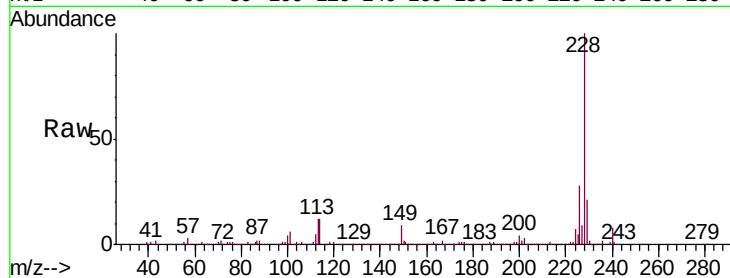
Tgt Ion:228 Resp: 2182038

Ion Ratio Lower Upper

228 100

226 28.5 22.5 33.7

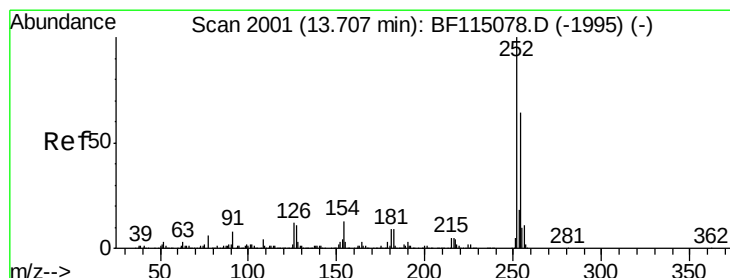
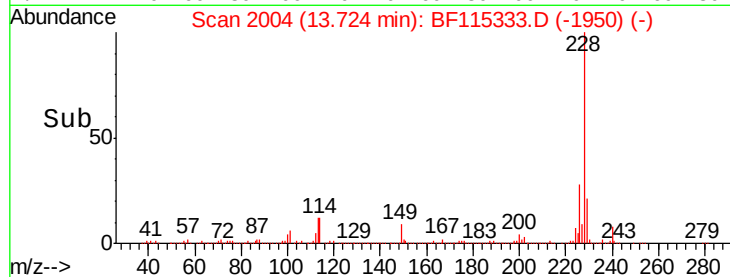
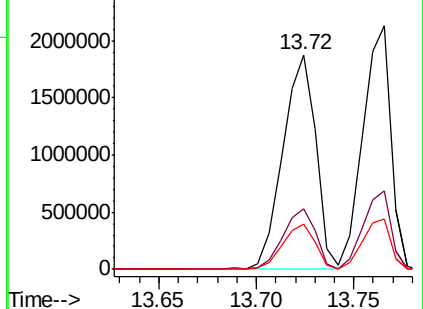
229 20.8 16.6 24.8



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



#82

3,3'-Dichlorobenzidine

Concen: 37.743 ng

RT: 13.69 min Scan# 1998

Delta R.T. 0.01 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

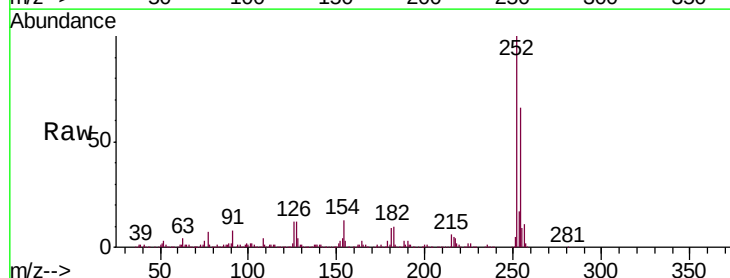
Tgt Ion:252 Resp: 601808

Ion Ratio Lower Upper

252 100

254 65.6 51.1 76.7

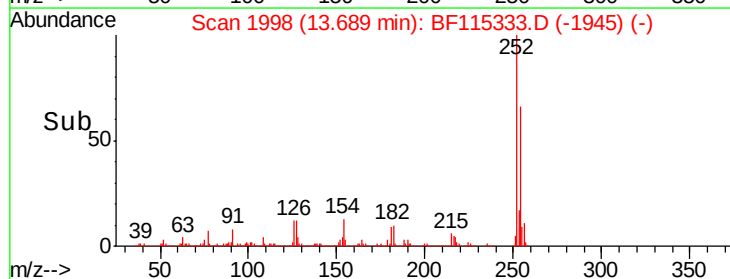
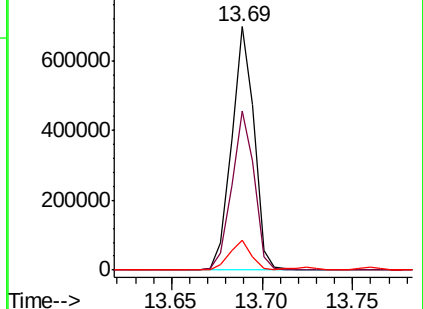
126 12.1 9.4 14.0

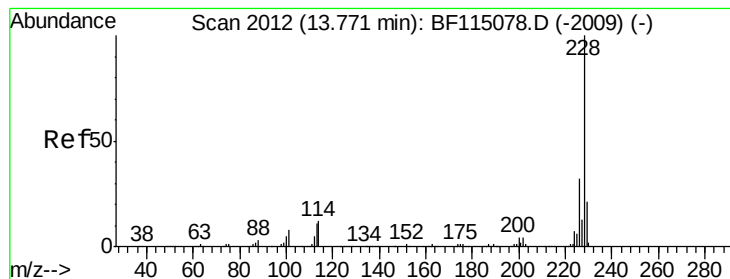


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 52.136 ng

RT: 13.77 min Scan# 2011

Delta R.T. 0.02 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

Instrument :

BNA\_F

ClientSampled :

PB121019BS

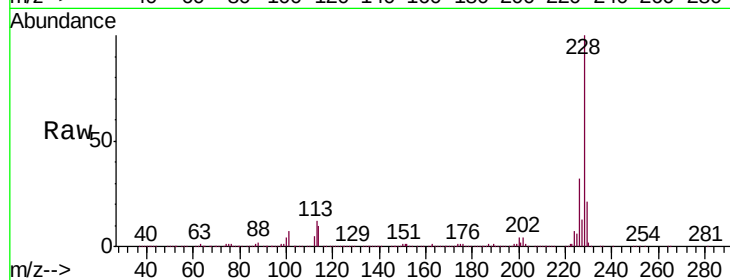
Tgt Ion:228 Resp: 2108733

Ion Ratio Lower Upper

228 100

226 32.2 25.4 38.0

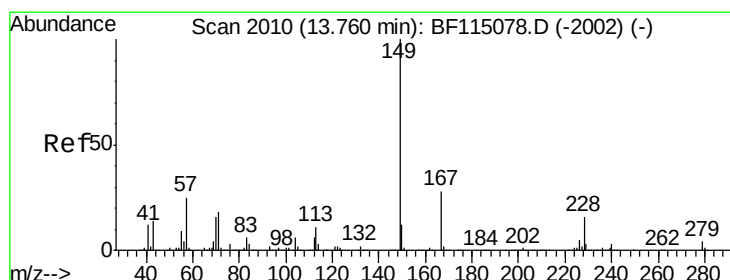
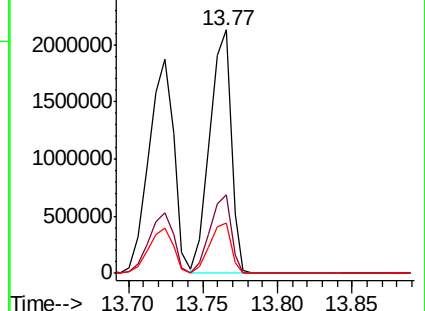
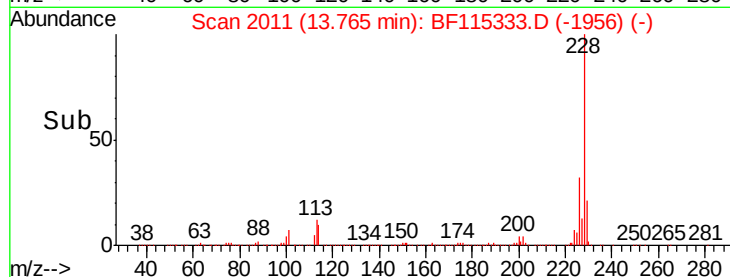
229 20.9 16.5 24.7



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.162 ng

RT: 13.74 min Scan# 2006

Delta R.T. 0.01 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

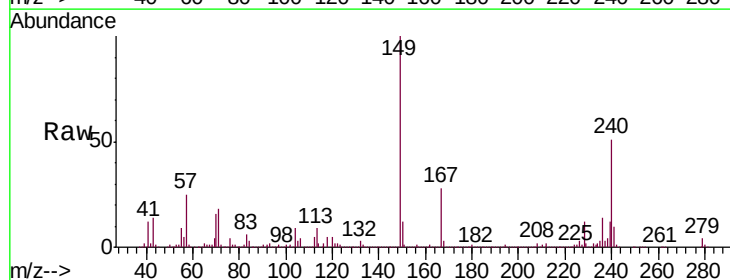
Tgt Ion:149 Resp: 1399088

Ion Ratio Lower Upper

149 100

167 27.6 22.2 33.4

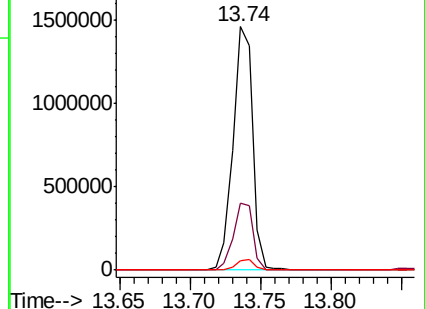
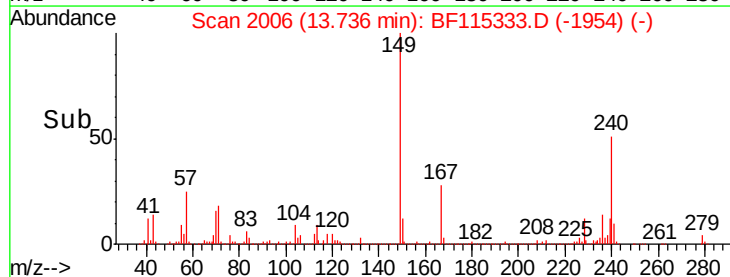
279 3.8 2.9 4.3

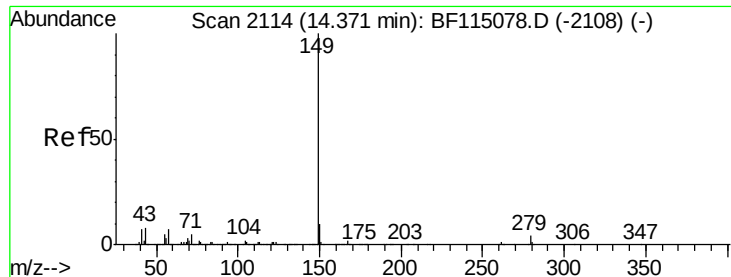


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 54.216 ng

RT: 14.35 min Scan# 2111

Delta R.T. 0.01 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

Instrument :

BNA\_F

ClientSampleId :

PB121019BS

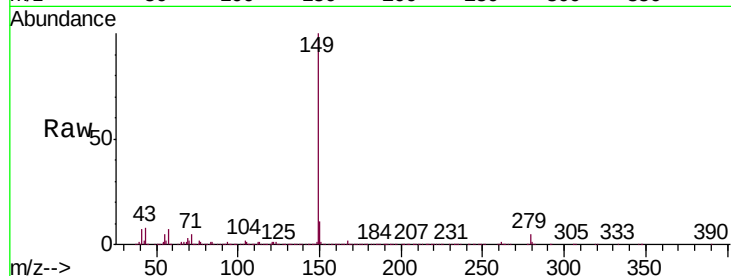
Tgt Ion:149 Resp: 2491061

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

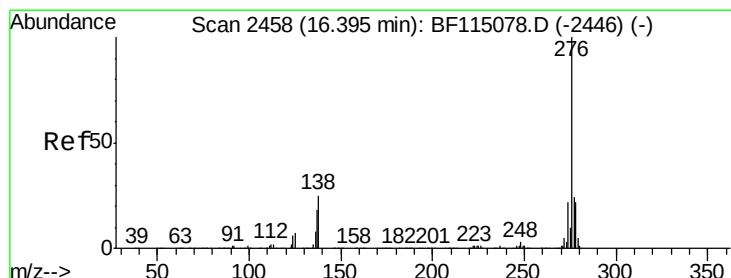
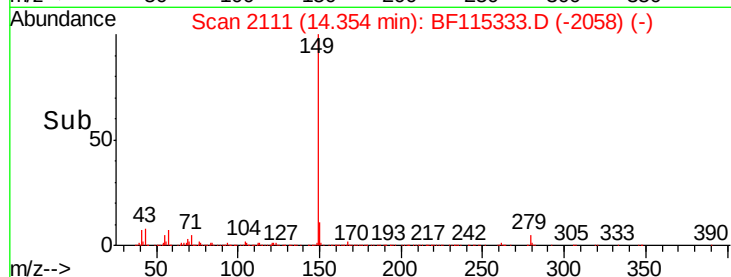
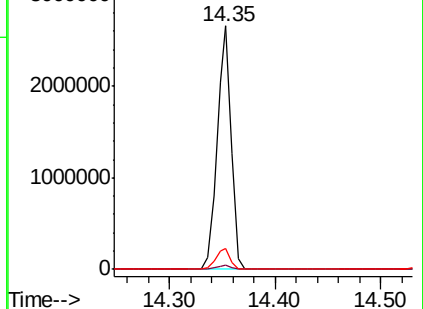
43 8.6 7.0 10.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 53.405 ng

RT: 16.40 min Scan# 2459

Delta R.T. 0.05 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

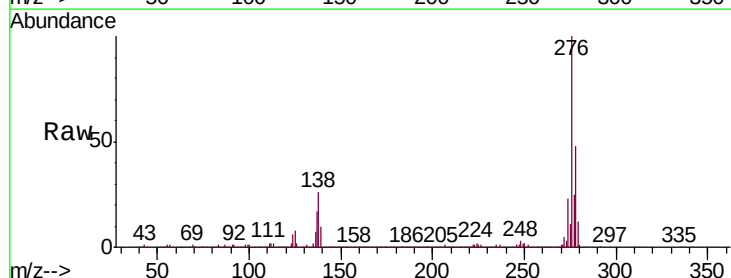
Tgt Ion:276 Resp: 2555968

Ion Ratio Lower Upper

276 100

138 28.0 23.2 34.8

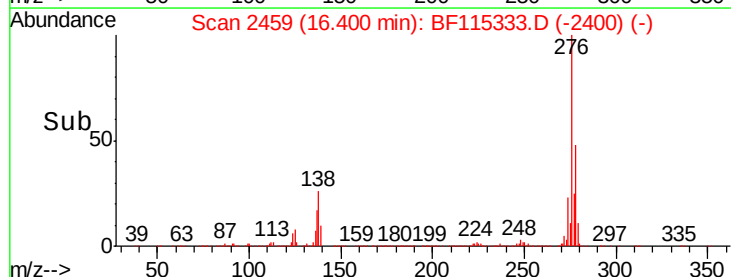
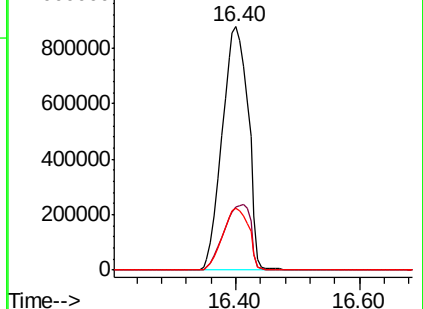
277 25.7 20.1 30.1

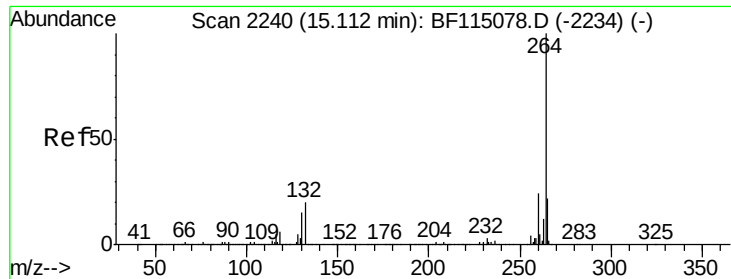


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



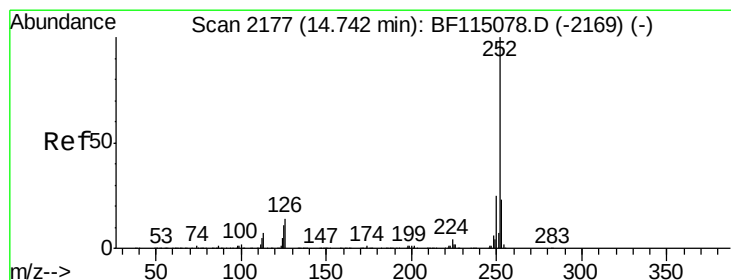
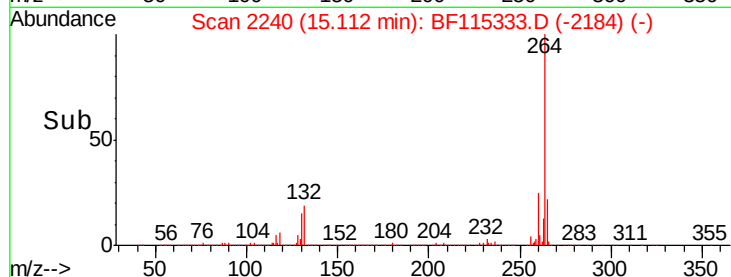
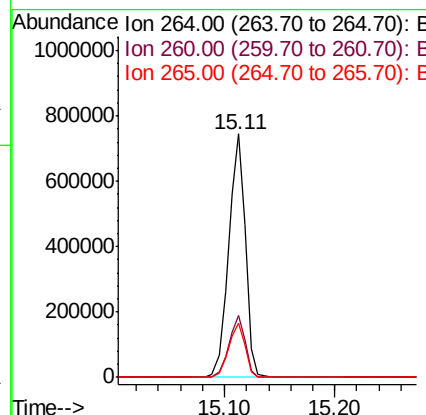
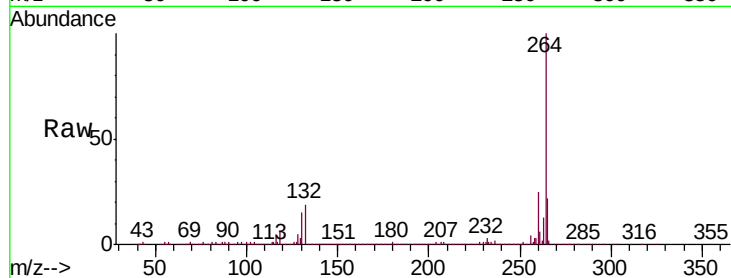


#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.11 min Scan# 2240  
Delta R.T. 0.03 min  
Lab File: BF115333.D  
Acq: 1 Jul 2019 12:34

Instrument :  
BNA\_F  
ClientSampleId :  
PB121019BS

Tgt Ion:264 Resp: 785298  

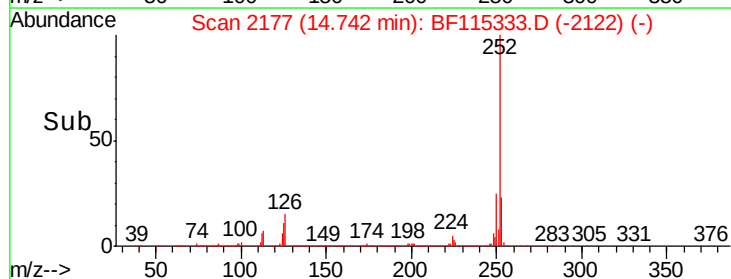
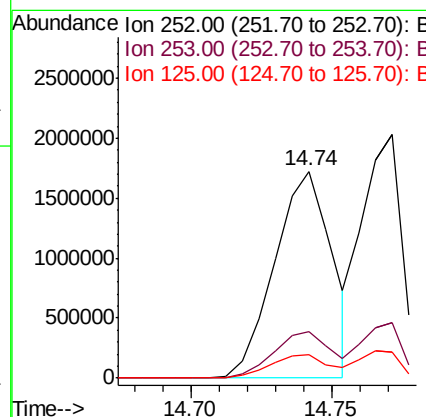
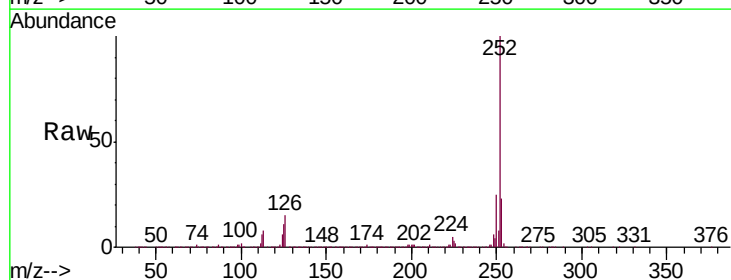
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 25.2  | 19.6  | 29.4  |
| 265 | 22.0  | 17.3  | 25.9  |



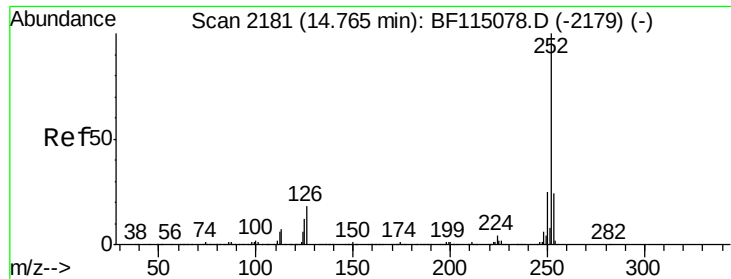
#88  
Benzo(b)fluoranthene  
Concen: 49.432 ng  
RT: 14.74 min Scan# 2177  
Delta R.T. 0.02 min  
Lab File: BF115333.D  
Acq: 1 Jul 2019 12:34

Tgt Ion:252 Resp: 2422175  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.7  | 18.1  | 27.1  |
| 125 | 11.5  | 8.7   | 13.1  |



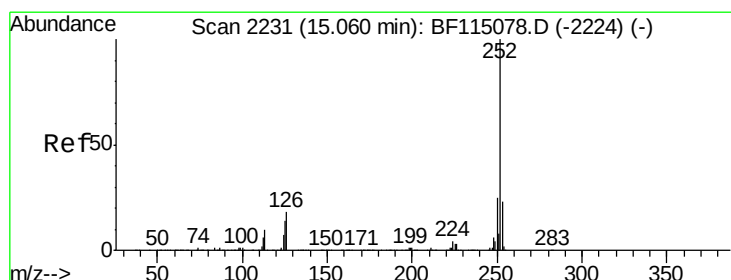
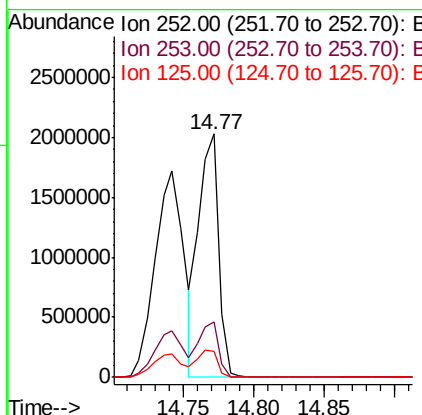
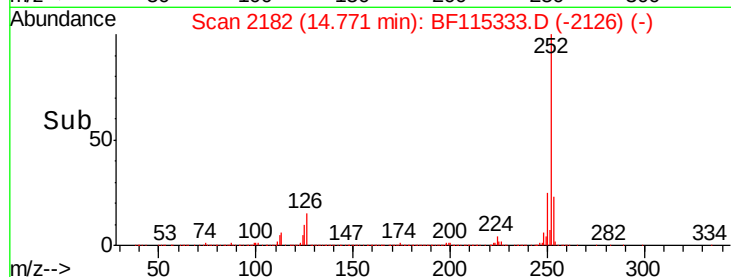
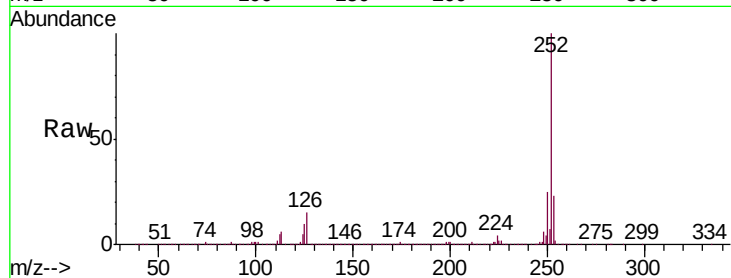




#89  
Benzo(k)fluoranthene  
Concen: 45.479 ng  
RT: 14.77 min Scan# 2182  
Delta R.T. 0.03 min  
Lab File: BF115333.D  
Acq: 1 Jul 2019 12:34

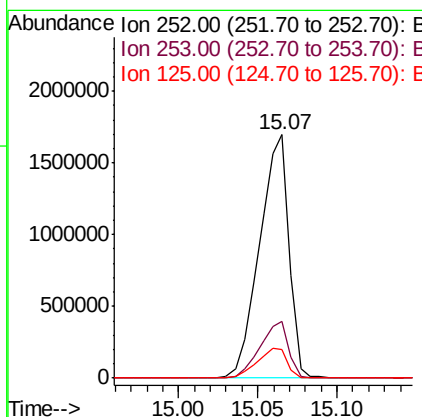
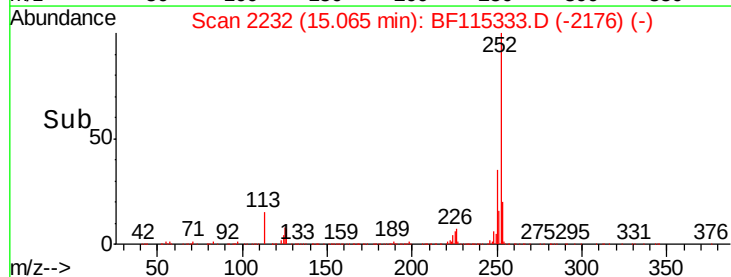
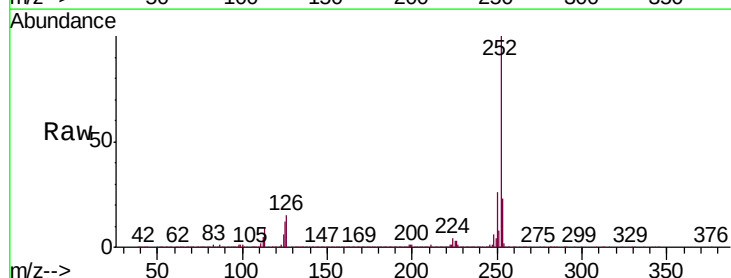
Instrument :  
BNA\_F  
ClientSampleId :  
PB121019BS

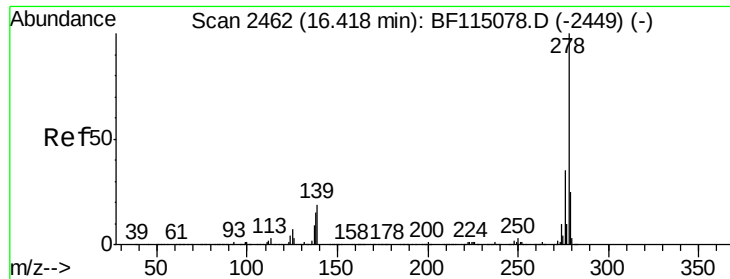
Tgt Ion:252 Resp: 1998485  
Ion Ratio Lower Upper  
252 100  
253 23.0 18.9 28.3  
125 10.4 10.2 15.2



#90  
Benzo(a)pyrene  
Concen: 49.687 ng  
RT: 15.07 min Scan# 2232  
Delta R.T. 0.03 min  
Lab File: BF115333.D  
Acq: 1 Jul 2019 12:34

Tgt Ion:252 Resp: 2194427  
Ion Ratio Lower Upper  
252 100  
253 23.1 18.3 27.5  
125 11.6 10.9 16.3





#91

Dibenzo(a,h)anthracene

Concen: 49.742 ng

RT: 16.42 min Scan# 2463

Delta R.T. 0.05 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

Instrument :

BNA\_F

ClientSampleId :

PB121019BS

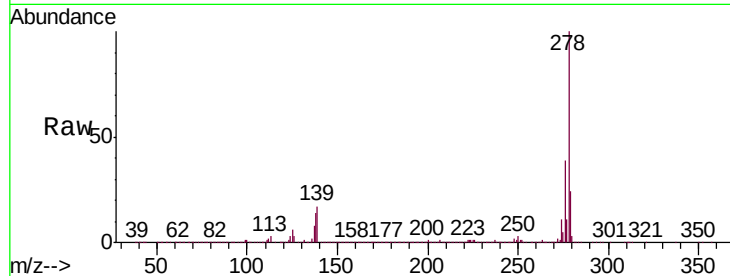
Tgt Ion:278 Resp: 2050898

Ion Ratio Lower Upper

278 100

139 16.9 15.4 23.2

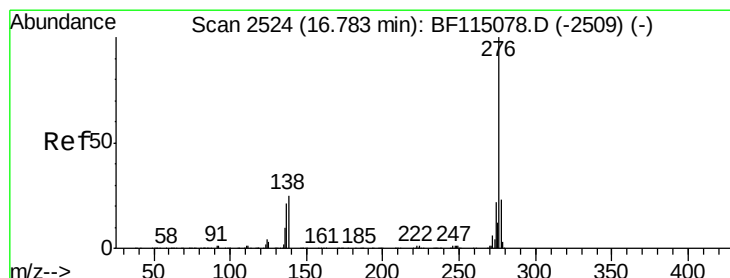
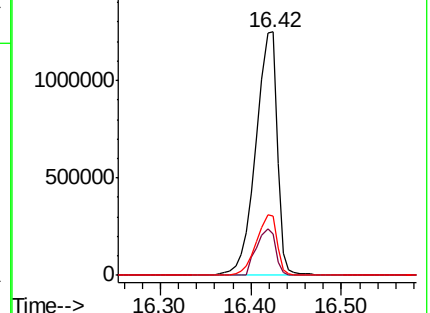
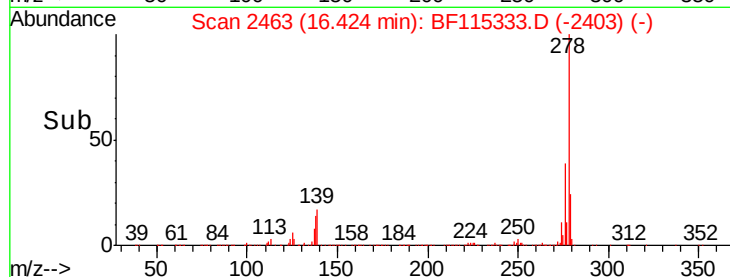
279 24.4 19.9 29.9



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 52.475 ng

RT: 16.79 min Scan# 2525

Delta R.T. 0.05 min

Lab File: BF115333.D

Acq: 1 Jul 2019 12:34

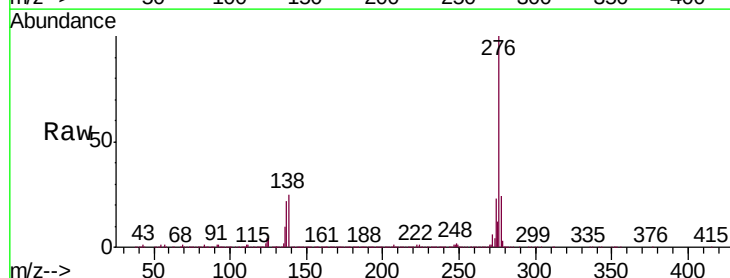
Tgt Ion:276 Resp: 2189805

Ion Ratio Lower Upper

276 100

277 24.3 18.6 28.0

138 25.2 19.8 29.6



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

