

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF082318\  
 Data File : BF108426.D  
 Acq On : 23 Aug 2018 17:49  
 Operator : JU/SJ  
 Sample : J4535-04MSD  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081618-FL-036MSD

Quant Time: Aug 24 01:02:51 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF080818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 22 11:01:45 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.00  | 152  | 141592   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.28  | 136  | 547536   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.05 | 164  | 283195   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.54 | 188  | 568469   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.19 | 240  | 416826   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.75 | 264  | 307305   | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.63  | 112 | 706857  | 90.38  | ng | 0.00 |
| 7) Phenol-d6             | 6.62  | 99  | 964564  | 92.81  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.57  | 82  | 641700  | 65.40  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.84 | 330 | 301033  | 106.57 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.36  | 172 | 1129502 | 64.03  | ng | 0.00 |
| 78) Terphenyl-d14        | 13.12 | 244 | 1282516 | 78.23  | ng | 0.00 |

## Target Compounds

|                                |      |     |        |        |    | Qvalue |
|--------------------------------|------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.93 | 88  | 95862  | 23.855 | ng | 88     |
| 3) Pyridine                    | 3.70 | 79  | 275872 | 26.649 | ng | 87     |
| 4) n-Nitrosodimethylamine      | 3.66 | 42  | 156402 | 26.850 | ng | 86     |
| 6) Aniline                     | 6.67 | 93  | 381231 | 26.968 | ng | 98     |
| 8) 2-Chlorophenol              | 6.79 | 128 | 282004 | 32.016 | ng | 99     |
| 9) Benzaldehyde                | 6.55 | 77  | 140642 | 17.454 | ng | 95     |
| 10) Phenol                     | 6.64 | 94  | 339246 | 31.557 | ng | 90     |
| 11) bis(2-Chloroethyl)ether    | 6.73 | 93  | 272354 | 31.337 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 6.94 | 146 | 314495 | 30.879 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 7.02 | 146 | 319790 | 31.251 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 7.17 | 146 | 299165 | 31.431 | ng | 98     |
| 15) Benzyl Alcohol             | 7.14 | 79  | 263153 | 30.078 | ng | 94     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.27 | 45  | 518980 | 28.987 | ng | 99     |
| 17) 2-Methylphenol             | 7.24 | 107 | 243408 | 32.224 | ng | 94     |
| 18) Hexachloroethane           | 7.51 | 117 | 113390 | 31.125 | ng | 93     |
| 19) n-Nitroso-di-n-propylamine | 7.40 | 70  | 214698 | 30.549 | ng | 90     |
| 20) 3+4-Methylphenols          | 7.40 | 107 | 301605 | 31.158 | ng | # 85   |
| 22) Acetophenone               | 7.41 | 105 | 413870 | 32.326 | ng | # 95   |
| 24) Nitrobenzene               | 7.58 | 77  | 317583 | 32.007 | ng | 97     |
| 25) Isophorone                 | 7.82 | 82  | 585539 | 31.308 | ng | 97     |
| 26) 2-Nitrophenol              | 7.90 | 139 | 143959 | 38.419 | ng | # 87   |
| 27) 2,4-Dimethylphenol         | 7.92 | 122 | 254464 | 30.656 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 8.02 | 93  | 350684 | 32.120 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 8.14 | 162 | 255485 | 33.445 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.22 | 180 | 269737 | 32.027 | ng | 96     |
| 31) Naphthalene                | 8.31 | 128 | 832285 | 33.424 | ng | 99     |
| 32) Benzoic acid               | 8.00 | 122 | 28402  | 11.137 | ng | 95     |
| 33) 4-Chloroaniline            | 8.35 | 127 | 292424 | 26.947 | ng | 96     |
| 34) Hexachlorobutadiene        | 8.41 | 225 | 173041 | 32.455 | ng | 99     |
| 35) Caprolactam                | 8.71 | 113 | 44251  | 18.485 | ng | # 81   |
| 36) 4-Chloro-3-methylphenol    | 8.83 | 107 | 272046 | 33.013 | ng | 99     |
| 37) 2-Methylnaphthalene        | 9.00 | 142 | 572863 | 32.517 | ng | 98     |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.17 | 216 | 292586 | 33.644 | ng | 98     |
| 40) Hexachlorocyclopentadiene  | 9.15 | 237 | 252475 | 44.946 | ng | 98     |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.27  | 196  | 191115   | 35.413 | ng    | 98       |
| 43) 2,4,5-Trichlorophenol      | 9.32  | 196  | 209843   | 35.322 | ng    | # 93     |
| 45) 1,1'-Biphenyl              | 9.46  | 154  | 702079   | 33.625 | ng    | 99       |
| 46) 2-Chloronaphthalene        | 9.49  | 162  | 541972   | 32.841 | ng    | 99       |
| 47) 2-Nitroaniline             | 9.58  | 65   | 184325   | 34.520 | ng    | 86       |
| 48) Acenaphthylene             | 9.91  | 152  | 882268   | 33.817 | ng    | 100      |
| 49) Dimethylphthalate          | 9.76  | 163  | 744470   | 37.739 | ng    | # 99     |
| 50) 2,6-Dinitrotoluene         | 9.82  | 165  | 147721   | 35.792 | ng    | 92       |
| 51) Acenaphthene               | 10.08 | 154  | 521616   | 32.642 | ng    | 99       |
| 52) 3-Nitroaniline             | 10.00 | 138  | 133950   | 29.663 | ng    | 97       |
| 53) 2,4-Dinitrophenol          | 10.11 | 184  | 77600    | 52.852 | ng    | # 22     |
| 54) Dibenzofuran               | 10.25 | 168  | 773447   | 33.409 | ng    | 98       |
| 55) 4-Nitrophenol              | 10.16 | 139  | 215943   | 63.150 | ng    | 91       |
| 56) 2,4-Dinitrotoluene         | 10.23 | 165  | 196327   | 36.955 | ng    | # 94     |
| 57) Fluorene                   | 10.60 | 166  | 619025   | 33.777 | ng    | 99       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.37 | 232  | 177048   | 35.656 | ng    | 87       |
| 59) Diethylphthalate           | 10.46 | 149  | 647331   | 33.888 | ng    | 96       |
| 60) 4-Chlorophenyl-phenylether | 10.58 | 204  | 316541   | 33.147 | ng    | 92       |
| 61) 4-Nitroaniline             | 10.62 | 138  | 153527   | 34.388 | ng    | 93       |
| 62) Azobenzene                 | 10.75 | 77   | 643793   | 32.634 | ng    | 93       |
| 64) 4,6-Dinitro-2-methylphenol | 10.64 | 198  | 71357    | 35.060 | ng    | 92       |
| 65) n-Nitrosodiphenylamine     | 10.71 | 169  | 563520   | 33.545 | ng    | 96       |
| 66) 4-Bromophenyl-phenylether  | 11.08 | 248  | 206353   | 33.403 | ng    | # 87     |
| 67) Hexachlorobenzene          | 11.15 | 284  | 215086   | 33.090 | ng    | # 88     |
| 68) Atrazine                   | 11.23 | 200  | 191563   | 33.999 | ng    | 95       |
| 69) Pentachlorophenol          | 11.34 | 266  | 206900   | 66.503 | ng    | 96       |
| 70) Phenanthrene               | 11.57 | 178  | 901092   | 33.607 | ng    | 100      |
| 71) Anthracene                 | 11.62 | 178  | 932162   | 33.920 | ng    | 100      |
| 72) Carbazole                  | 11.77 | 167  | 815687   | 33.408 | ng    | 100      |
| 73) Di-n-butylphthalate        | 12.09 | 149  | 986411   | 35.667 | ng    | 99       |
| 74) Fluoranthene               | 12.76 | 202  | 970284   | 33.158 | ng    | 96       |
| 76) Benzidine                  | 12.88 | 184  | 348178   | 22.357 | ng    | 99       |
| 77) Pyrene                     | 12.99 | 202  | 952699   | 36.102 | ng    | 99       |
| 79) Butylbenzylphthalate       | 13.59 | 149  | 389824   | 37.201 | ng    | # 98     |
| 80) Benzo(a)anthracene         | 14.18 | 228  | 777548   | 32.504 | ng    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 14.14 | 252  | 208000   | 24.263 | ng    | # 94     |
| 82) Chrysene                   | 14.22 | 228  | 727492   | 33.172 | ng    | 100      |
| 83) Bis(2-ethylhexyl)phthalate | 14.15 | 149  | 506746   | 35.711 | ng    | # 98     |
| 84) Di-n-octyl phthalate       | 14.77 | 149  | 744560   | 34.404 | ng    | 97       |
| 85) Indeno(1,2,3-cd)pyrene     | 17.37 | 276  | 598843   | 31.514 | ng    | # 90     |
| 87) Benzo(b)fluoranthene       | 15.28 | 252  | 579583   | 31.563 | ng    | # 97     |
| 88) Benzo(k)fluoranthene       | 15.31 | 252  | 567761   | 33.635 | ng    | # 95     |
| 89) Benzo(a)pyrene             | 15.68 | 252  | 530730   | 32.276 | ng    | # 97     |
| 90) Dibenzo(a,h)anthracene     | 17.38 | 278  | 503913   | 37.038 | ng    | # 92     |
| 91) Benzo(g,h,i)perylene       | 17.86 | 276  | 501870   | 37.462 | ng    | # 90     |

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



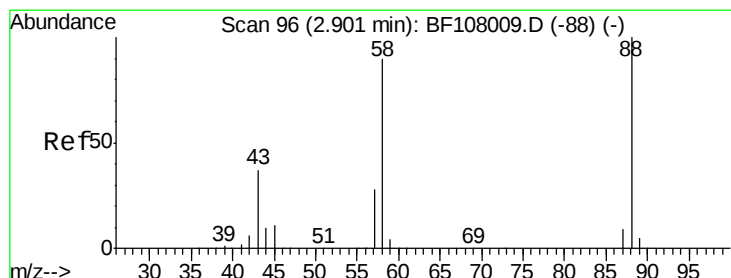
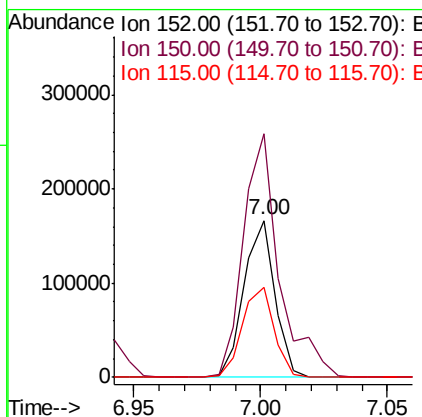
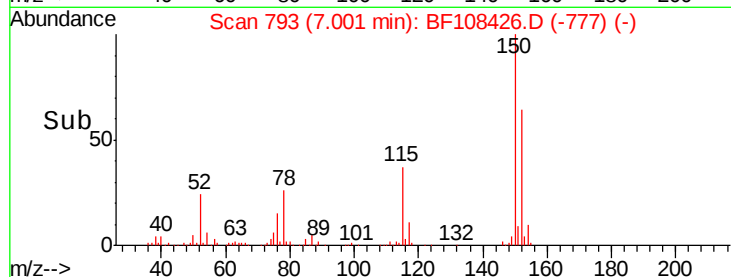
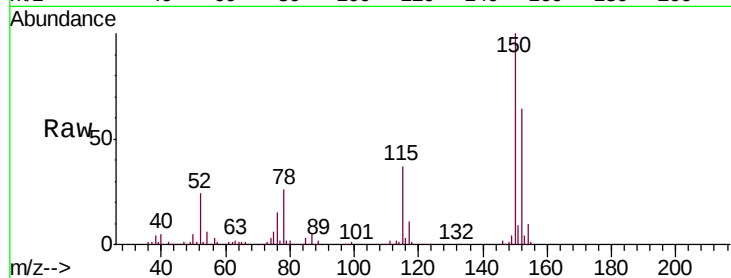


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.00 min Scan# 793  
Delta R.T. -0.01 min  
Lab File: BF108426.D  
Acq: 23 Aug 2018 17:49

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BNA\_F  
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RA-081618-FL-036MSD

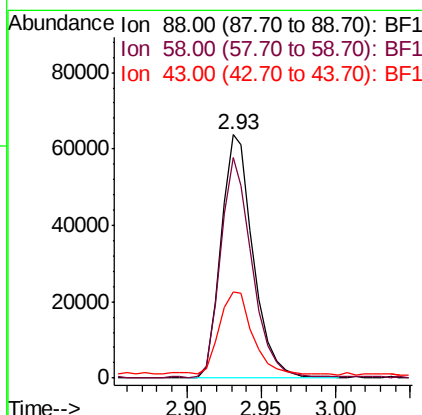
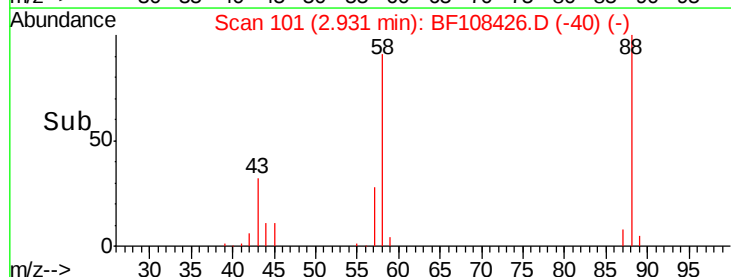
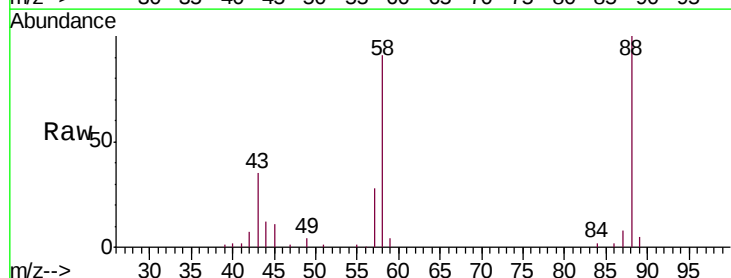
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Ion Ratio Lower Upper  
152 100  
150 155.2 124.6 186.8  
115 57.4 50.1 75.1

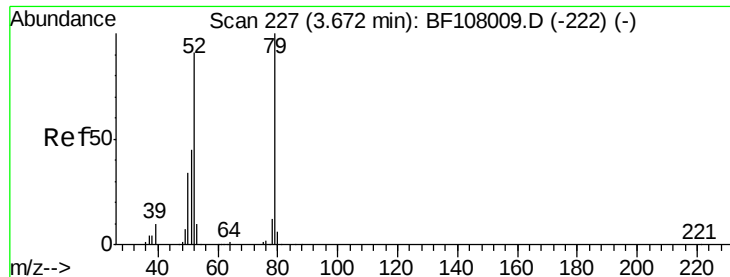


#2

1,4-Dioxane  
Concen: 23.855 ng  
RT: 2.93 min Scan# 101  
Delta R.T. 0.06 min  
Lab File: BF108426.D  
Acq: 23 Aug 2018 17:49

Tgt Ion: 88 Resp: 95862  
Ion Ratio Lower Upper  
88 100  
58 89.9 62.6 93.8  
43 36.3 24.6 37.0





#3

Pyridine

Concen: 26.649 ng

RT: 3.70 min Scan# 232

Delta R.T. 0.04 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Instrument :

BNA\_F

ClientSampleId :

RA-081618-FL-036MSD

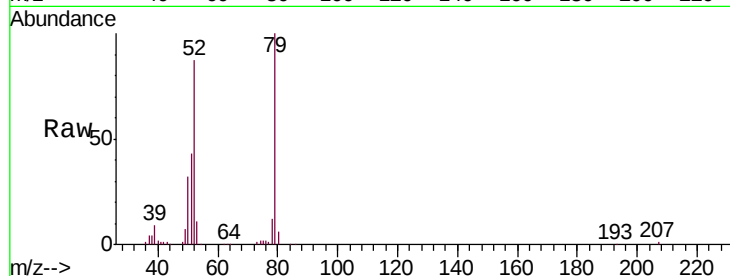
Tgt Ion: 79 Resp: 275872

Ion Ratio Lower Upper

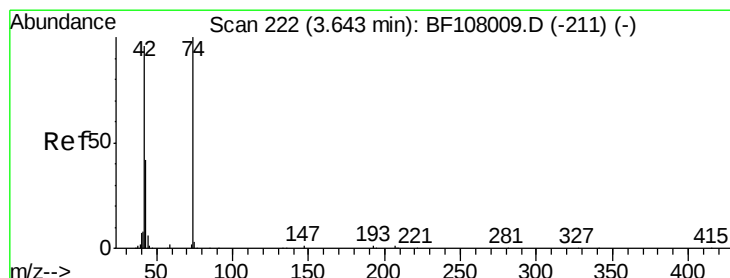
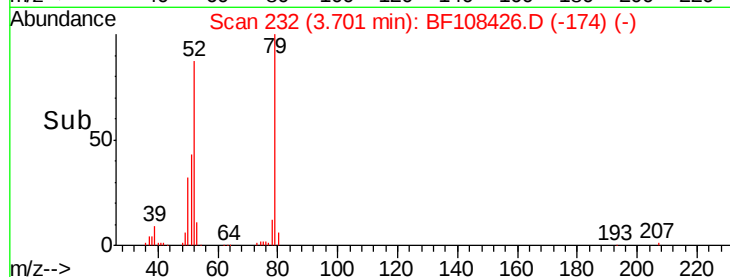
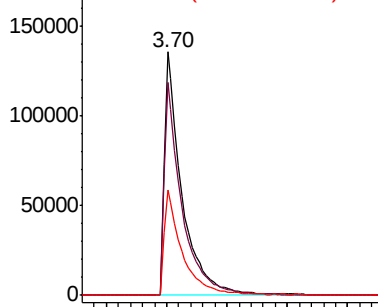
79 100

52 87.4 59.8 89.6

51 43.1 29.8 44.8



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: 26.850 ng

RT: 3.66 min Scan# 225

Delta R.T. 0.03 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

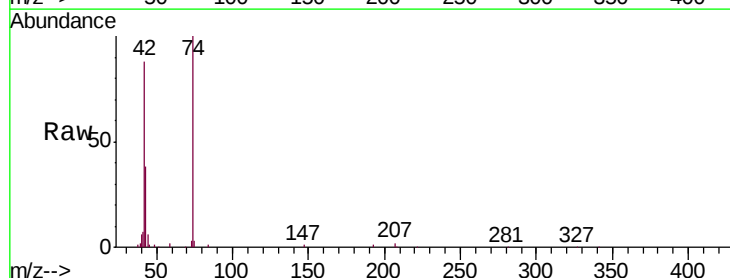
Tgt Ion: 42 Resp: 156402

Ion Ratio Lower Upper

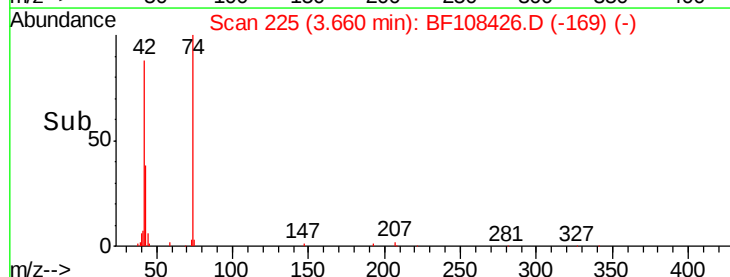
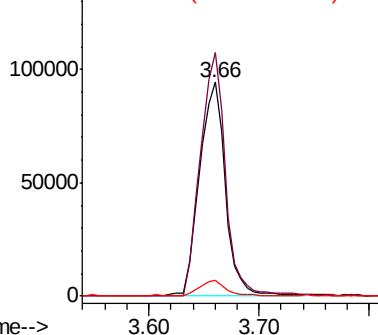
42 100

74 113.8 104.9 157.3

44 7.1 6.9 10.3



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: 90.382 ng

RT: 5.63 min Scan# 560

Delta R.T. -0.00 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Instrument :

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ClientSampleId :

RA-081618-FL-036MSD

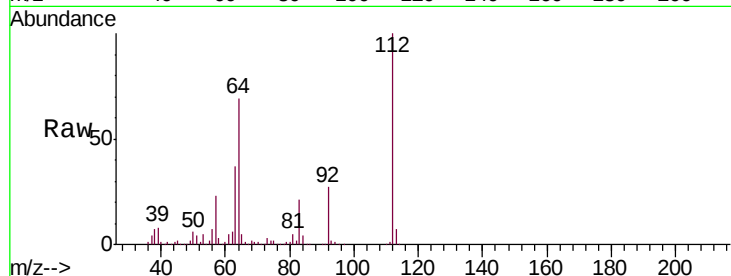
Tgt Ion: 112 Resp: 706857

Ion Ratio Lower Upper

112 100

64 69.5 47.9 71.9

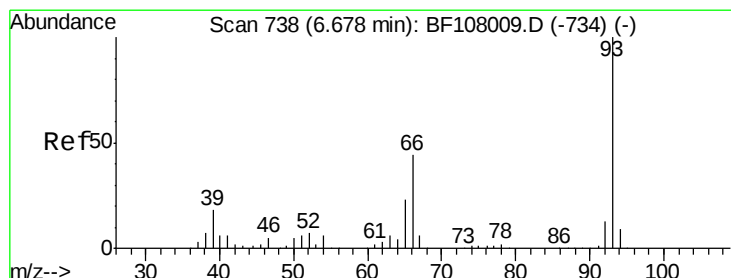
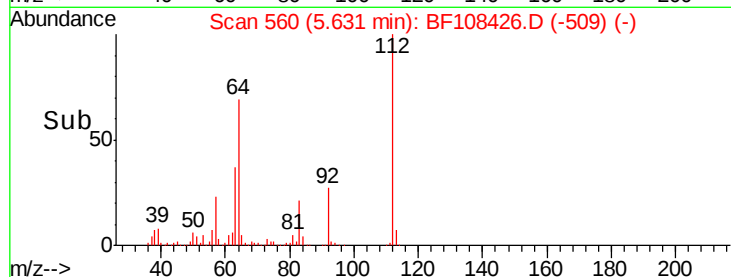
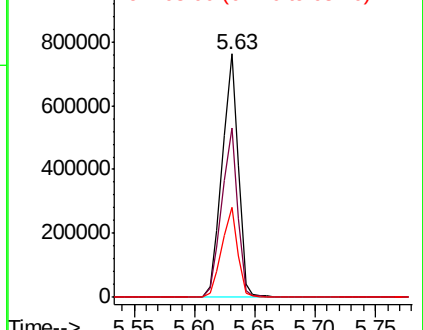
63 37.0 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 26.968 ng

RT: 6.67 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

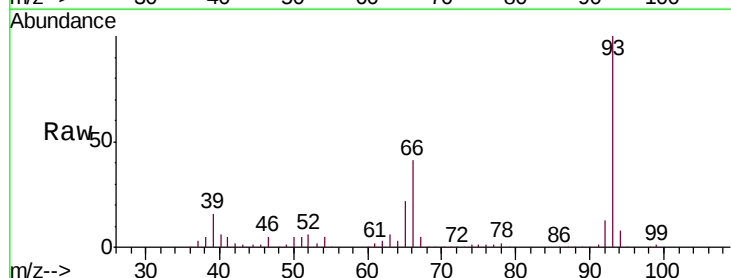
Tgt Ion: 93 Resp: 381231

Ion Ratio Lower Upper

93 100

66 40.9 32.2 48.2

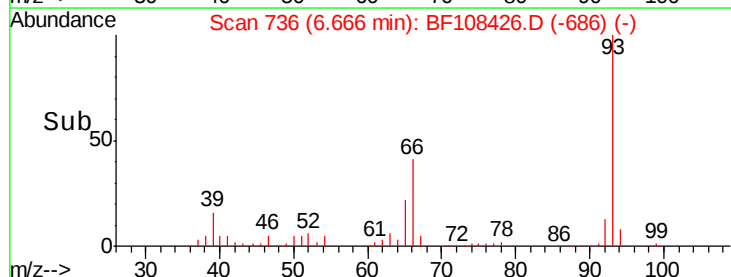
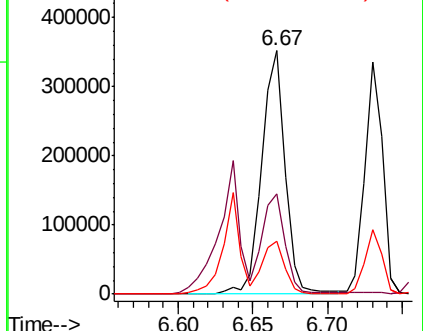
65 21.7 16.4 24.6

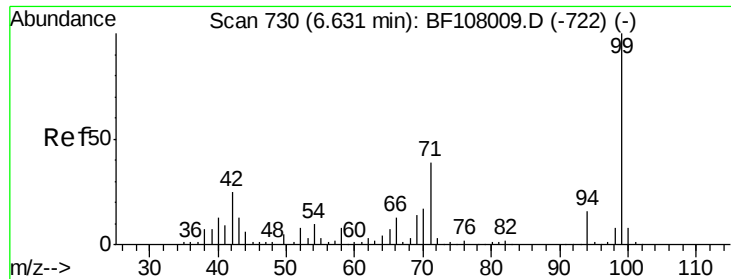


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 92.811 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108426.D

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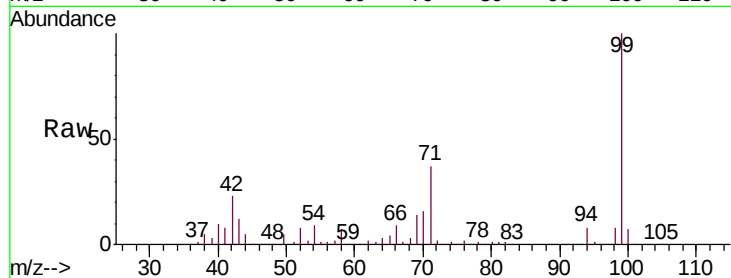
Tgt Ion: 99 Resp: 964564

Ion Ratio Lower Upper

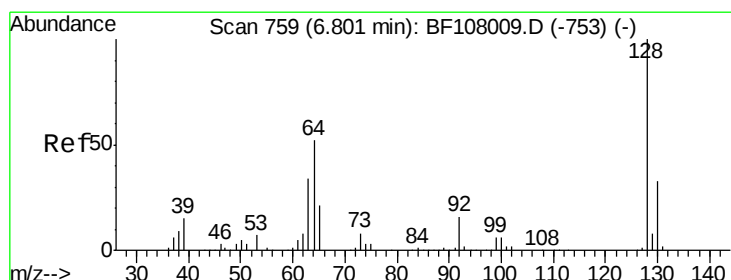
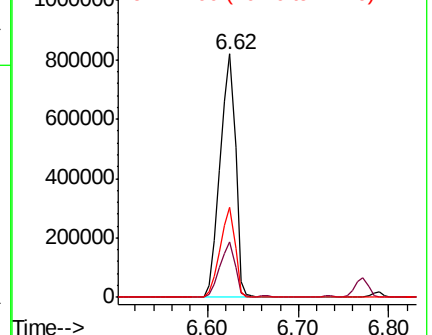
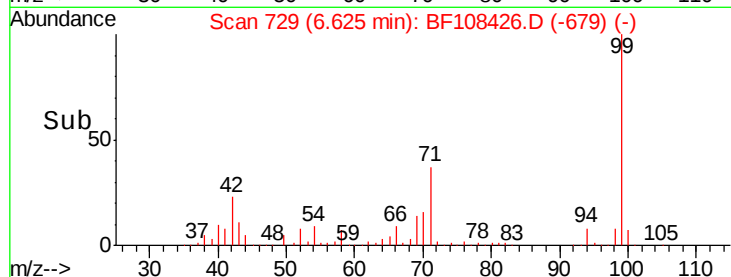
99 100

42 22.5 14.5 21.7#

71 37.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 32.016 ng

RT: 6.79 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

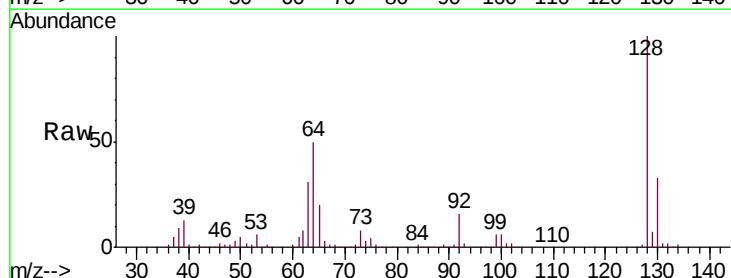
Tgt Ion: 128 Resp: 282004

Ion Ratio Lower Upper

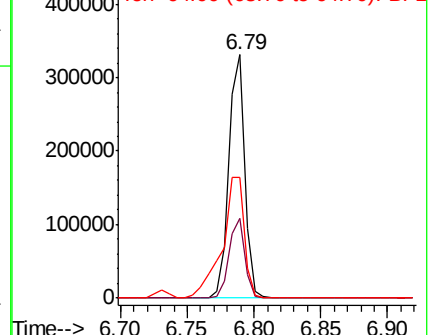
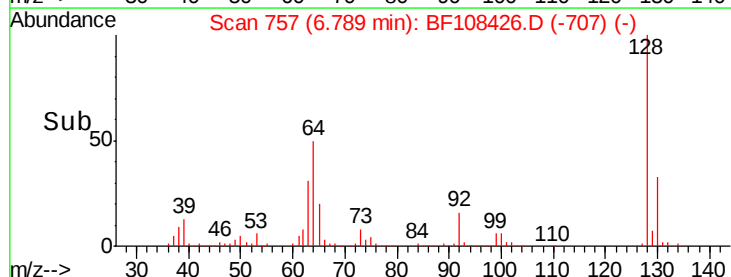
128 100

130 32.8 13.0 53.0

64 49.8 29.4 69.4



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

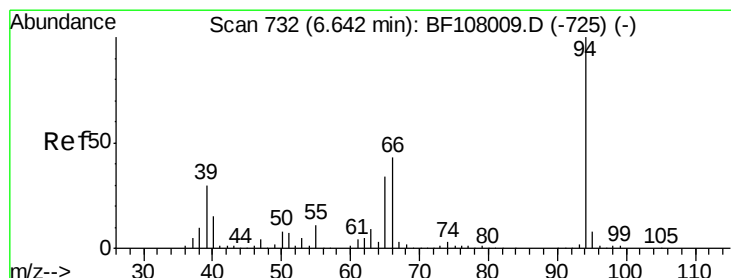
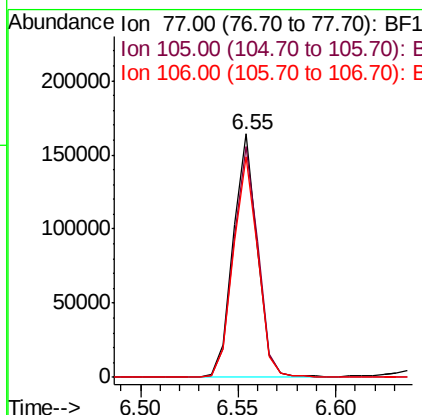
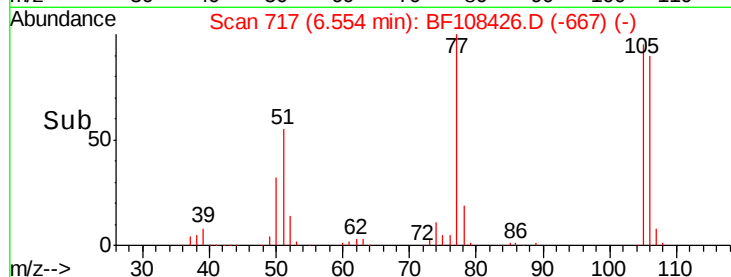
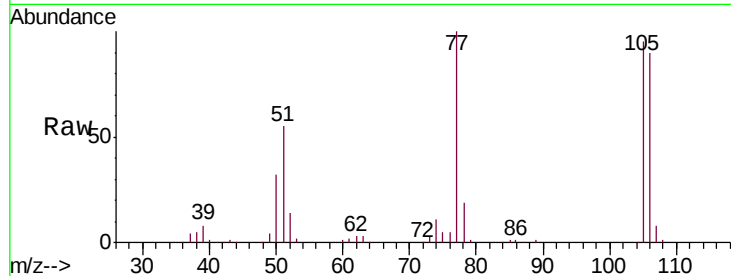




#9  
Benzaldehyde  
Concen: 17.454 ng  
RT: 6.55 min Scan# 717  
Delta R.T. -0.01 min  
Lab File: BF108426.D  
Acq: 23 Aug 2018 17:49

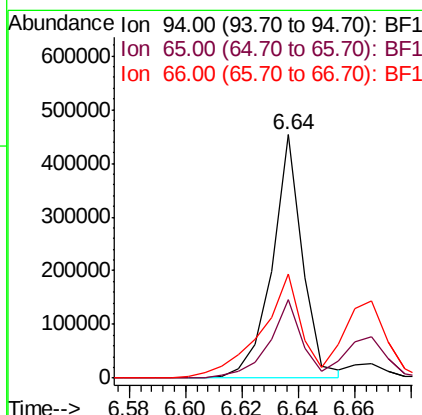
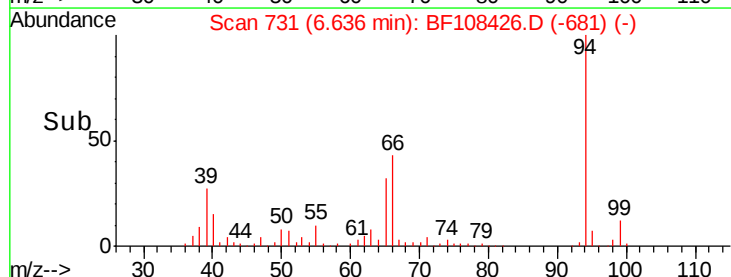
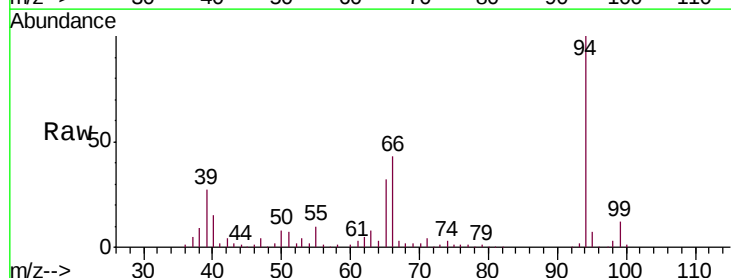
Instrument :  
BNA\_F  
ClientSampleId :  
RA-081618-FL-036MSD

Tgt Ion: 77 Resp: 140642  
Ion Ratio Lower Upper  
77 100  
105 94.9 81.1 121.1  
106 90.4 74.5 114.5



#10  
Phenol  
Concen: 31.557 ng  
RT: 6.64 min Scan# 731  
Delta R.T. -0.01 min  
Lab File: BF108426.D  
Acq: 23 Aug 2018 17:49

Tgt Ion: 94 Resp: 339246  
Ion Ratio Lower Upper  
94 100  
65 32.3 7.9 47.9  
66 42.8 16.2 56.2

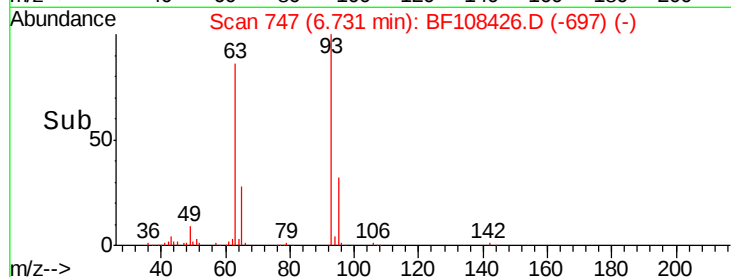
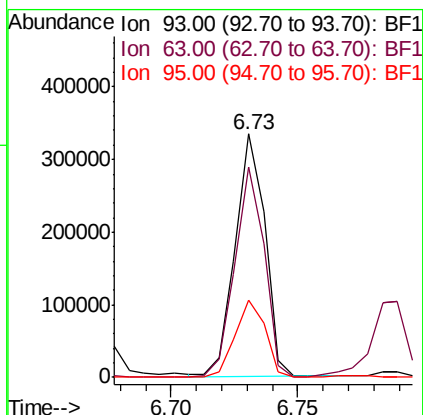
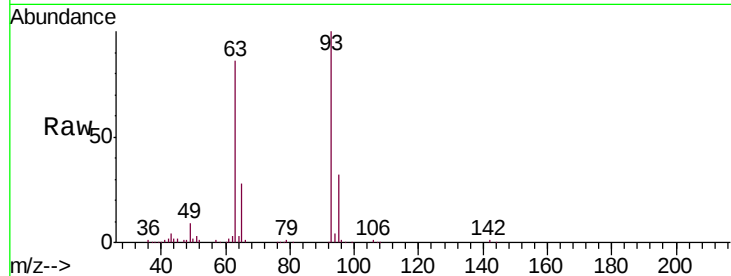




#11  
 bis(2-Chloroethyl)ether  
 Concen: 31.337 ng  
 RT: 6.73 min Scan# 747  
 Delta R.T. -0.01 min  
 Lab File: BF108426.D  
 Acq: 23 Aug 2018 17:49

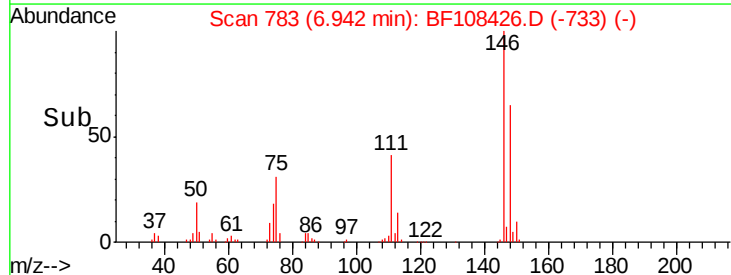
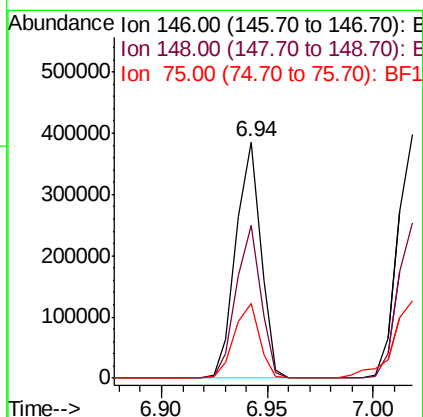
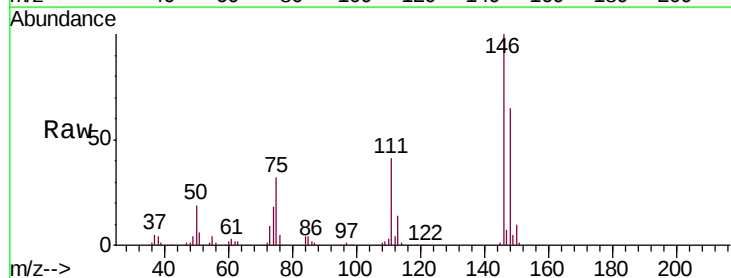
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081618-FL-036MSD

Tgt Ion: 93 Resp: 272354  
 Ion Ratio Lower Upper  
 93 100  
 63 86.4 58.6 98.6  
 95 31.7 11.8 51.8



#12  
 1,3-Dichlorobenzene  
 Concen: 30.879 ng  
 RT: 6.94 min Scan# 783  
 Delta R.T. -0.01 min  
 Lab File: BF108426.D  
 Acq: 23 Aug 2018 17:49

Tgt Ion: 146 Resp: 314495  
 Ion Ratio Lower Upper  
 146 100  
 148 64.5 51.8 77.8  
 75 31.6 24.2 36.4





#13

1,4-Dichlorobenzene

Concen: 31.251 ng

RT: 7.02 min Scan# 796

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Instrument :

BNA\_F

ClientSampleId :

RA-081618-FL-036MSD

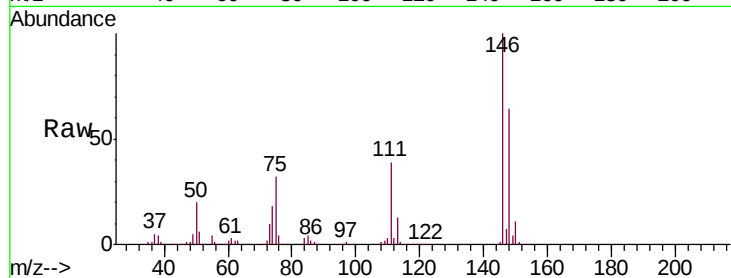
Tgt Ion:146 Resp: 319790

Ion Ratio Lower Upper

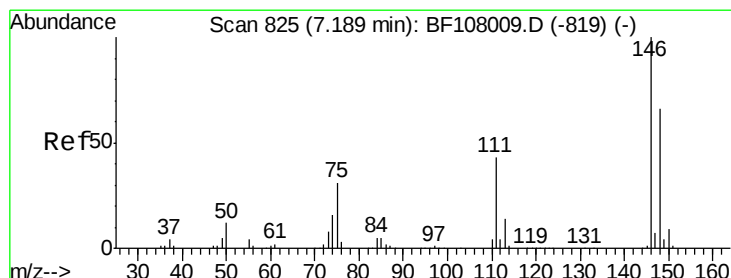
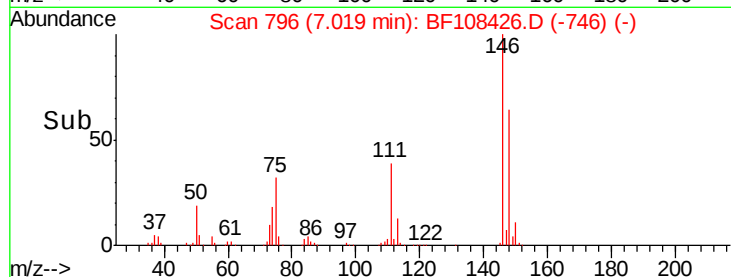
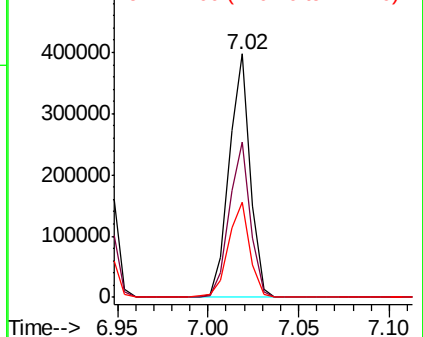
146 100

148 63.7 50.8 76.2

111 38.9 34.2 51.2



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: 31.431 ng

RT: 7.17 min Scan# 822

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

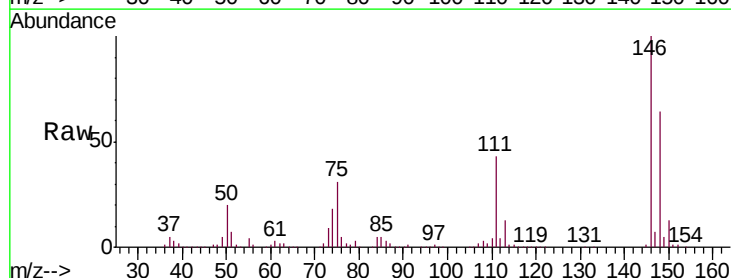
Tgt Ion:146 Resp: 299165

Ion Ratio Lower Upper

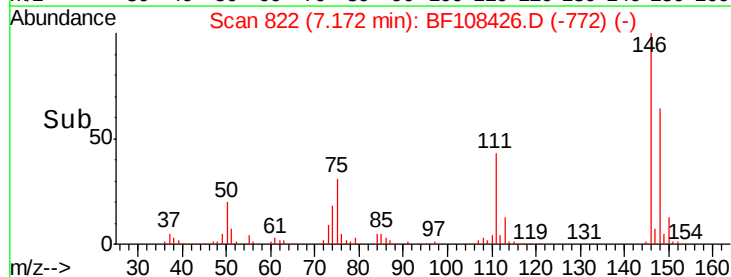
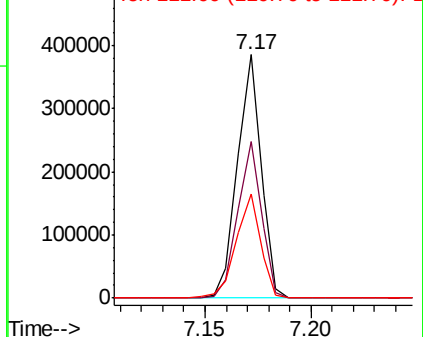
146 100

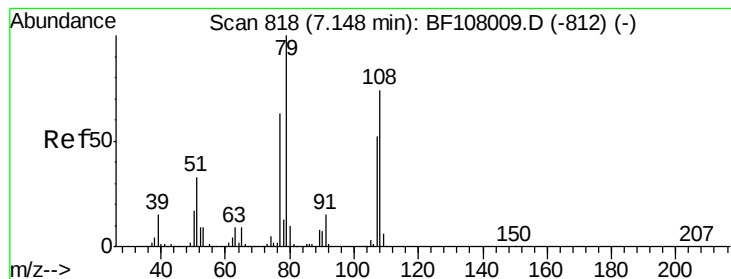
148 64.4 50.6 75.8

111 42.7 36.0 54.0



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





#15

Benzyl Alcohol

Concen: 30.078 ng

RT: 7.14 min Scan# 816

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Instrument :

BNA\_F

ClientSampleId :

RA-081618-FL-036MSD

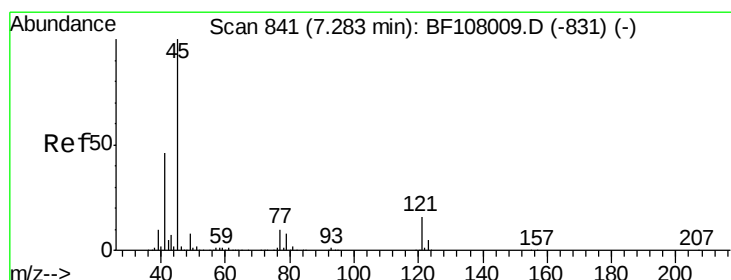
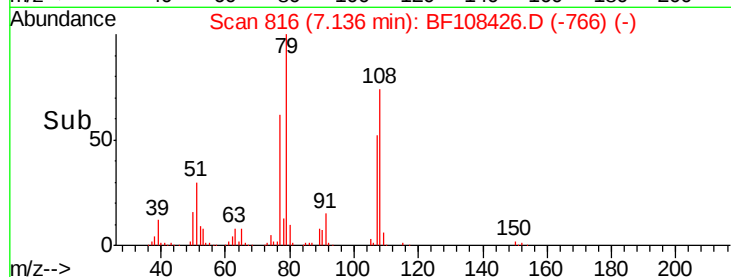
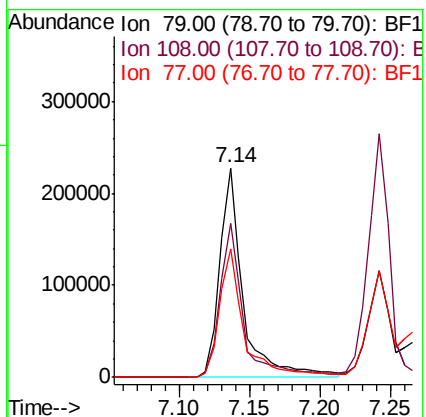
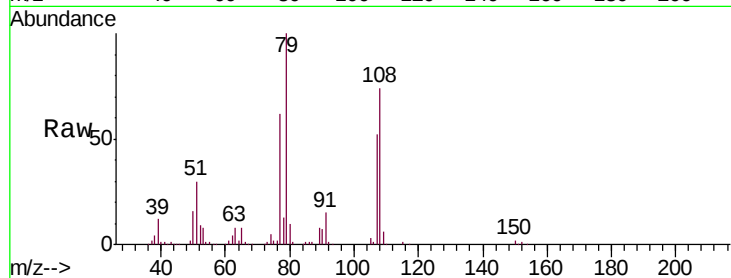
Tgt Ion: 79 Resp: 263153

Ion Ratio Lower Upper

79 100

108 73.5 65.1 97.7

77 61.7 50.6 75.8



#16

2,2'-oxybis(1-chloropropane)

Concen: 28.987 ng

RT: 7.27 min Scan# 838

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

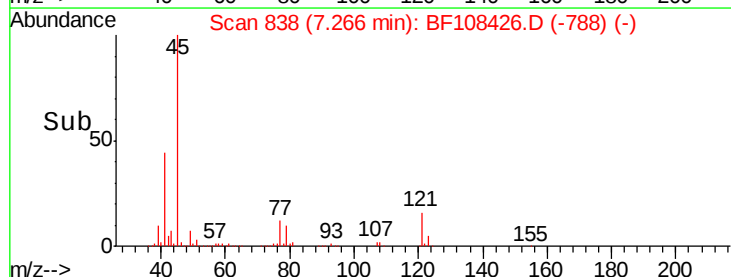
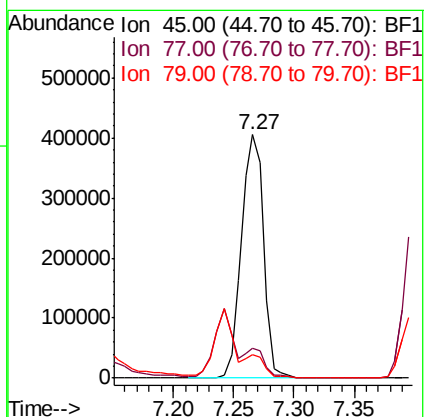
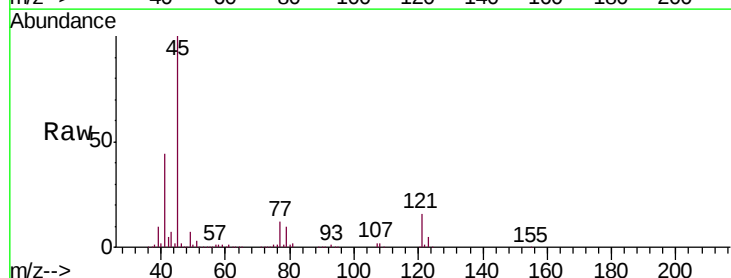
Tgt Ion: 45 Resp: 518980

Ion Ratio Lower Upper

45 100

77 12.1 0.0 32.9

79 9.5 0.0 29.6





#17

2-Methylphenol

Concen: 32.224 ng

RT: 7.24 min Scan# 834

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Instrument :

BNA\_F

ClientSampleId :

RA-081618-FL-036MSD

Tgt Ion:107 Resp: 243408

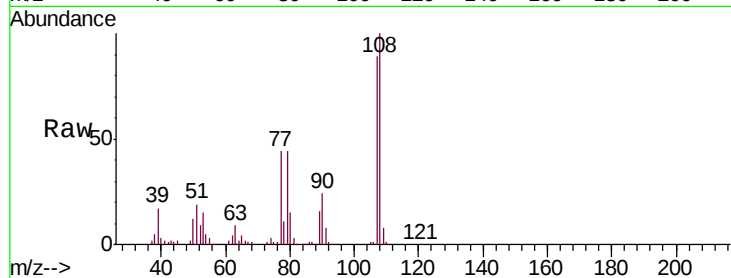
Ion Ratio Lower Upper

107 100

108 112.5 91.7 137.5

77 49.1 33.8 50.8

79 49.1 33.8 50.8

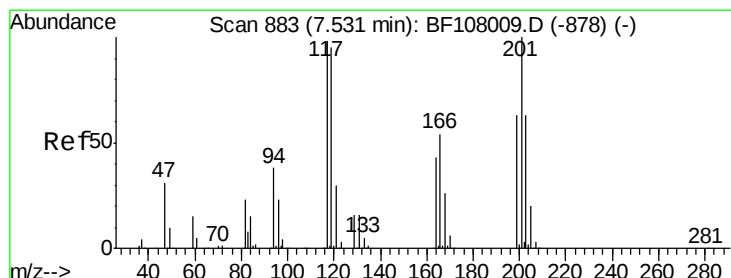
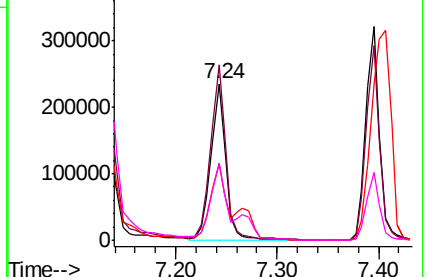
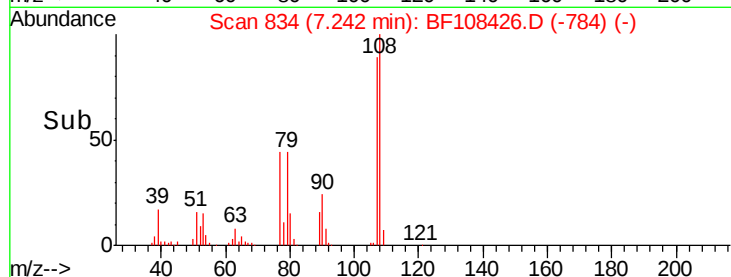


Abundance Ion 107.00 (106.70 to 107.70): E

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: 31.125 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

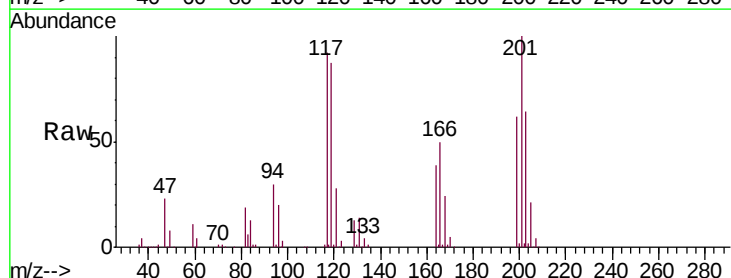
Tgt Ion:117 Resp: 113390

Ion Ratio Lower Upper

117 100

119 94.4 75.8 113.8

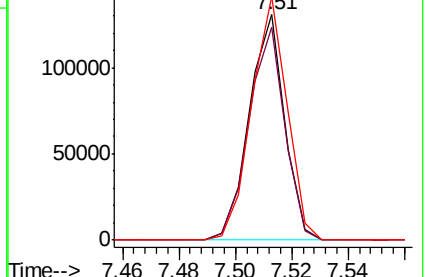
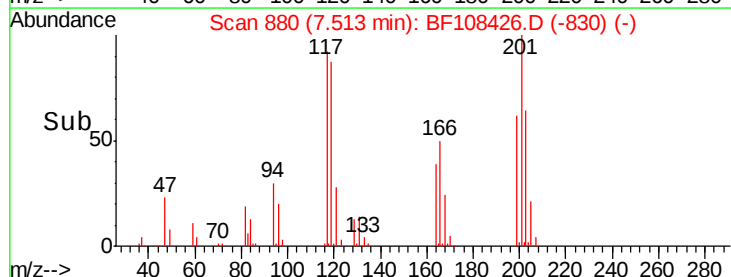
201 108.1 75.7 113.5



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

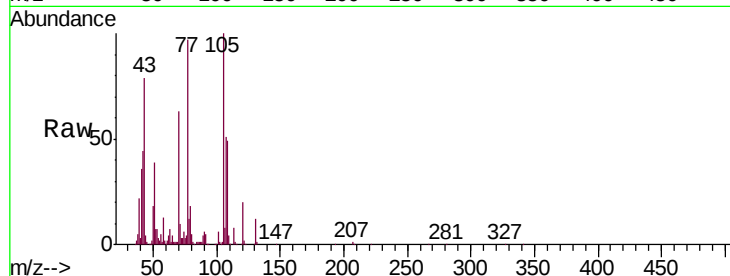




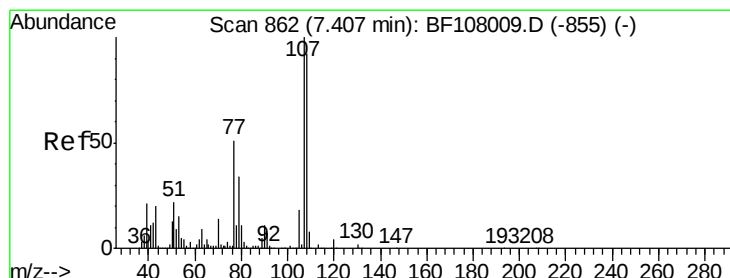
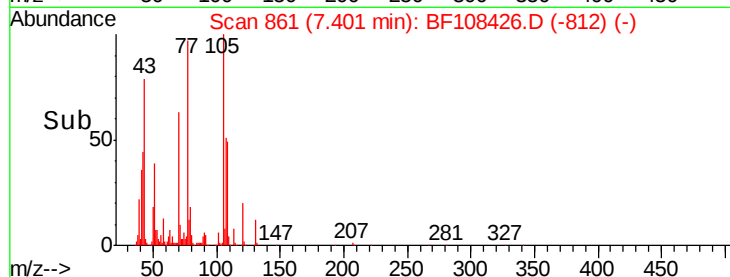
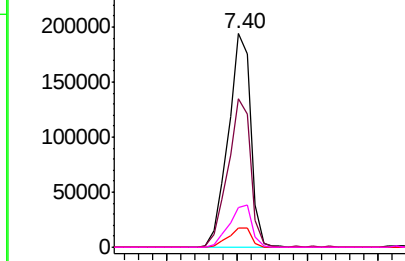
#19  
n-Nitroso-di-n-propylamine  
Concen: 30.549 ng  
RT: 7.40 min Scan# 861  
Delta R.T. -0.01 min  
Lab File: BF108426.D  
Acq: 23 Aug 2018 17:49

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081618-FL-036MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 214698 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 69.8  | 47.5  | 71.3   |
| 101      | 9.1   | 7.4   | 11.2   |
| 130      | 18.7  | 16.6  | 25.0   |

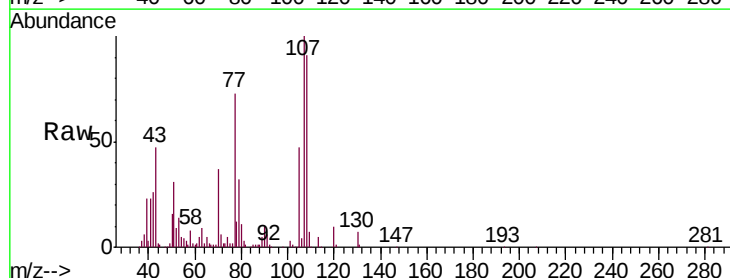


Abundance Ion 70.00 (69.70 to 70.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 101.00 (100.70 to 101.70): E  
Ion 130.00 (129.70 to 130.70): E

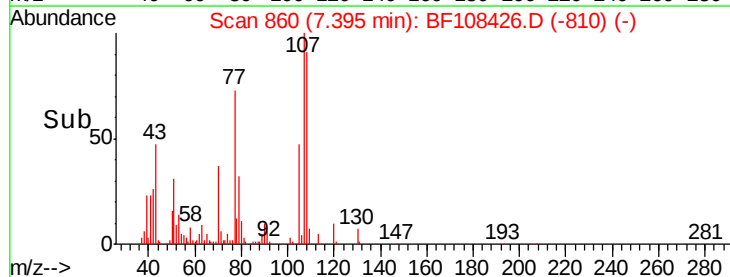
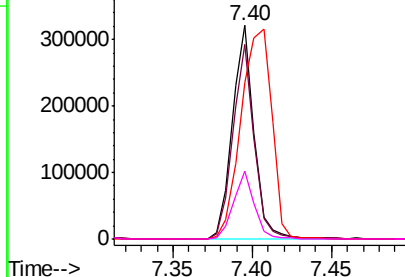


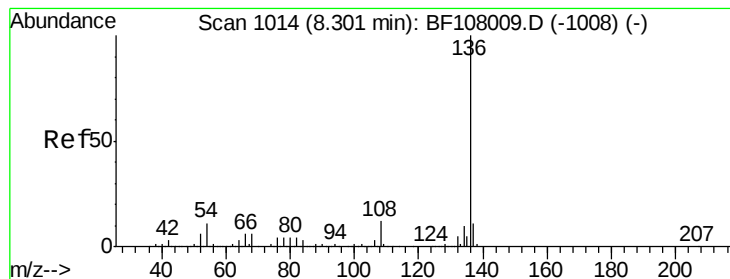
#20  
3+4-Methylphenols  
Concen: 31.158 ng  
RT: 7.40 min Scan# 860  
Delta R.T. -0.01 min  
Lab File: BF108426.D  
Acq: 23 Aug 2018 17:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 301605 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 91.3  | 68.2  | 108.2  |
| 77       | 72.9  | 26.7  | 66.7#  |
| 79       | 31.6  | 6.3   | 46.3   |



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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Instrument :

BNA\_F

ClientSampleId :

RA-081618-FL-036MSD

Tgt Ion:136 Resp: 547536

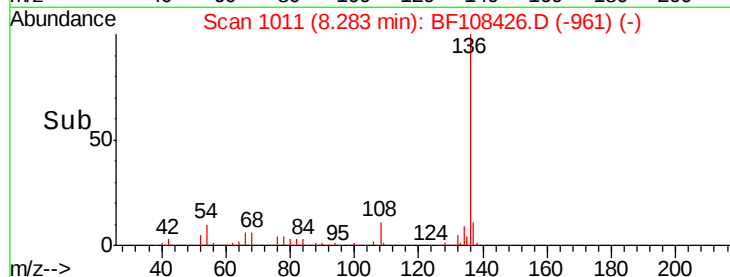
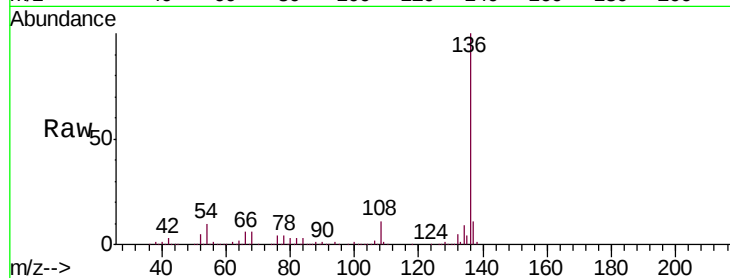
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 10.2 6.6 9.8#

68 5.9 5.0 7.4

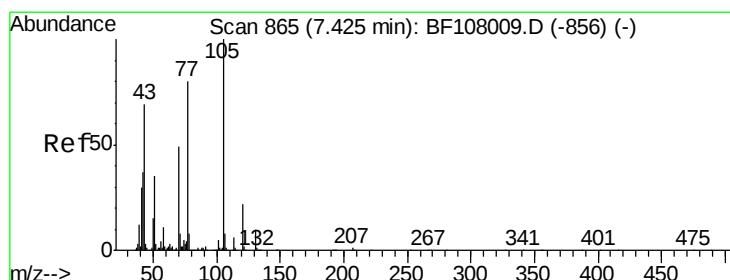
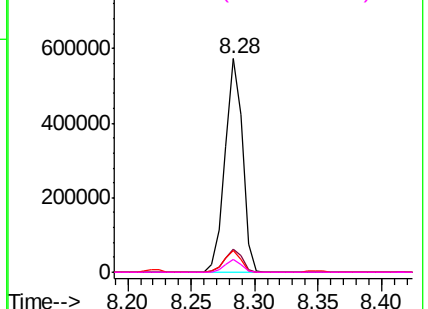


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 32.326 ng

RT: 7.41 min Scan# 862

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Tgt Ion:105 Resp: 413870

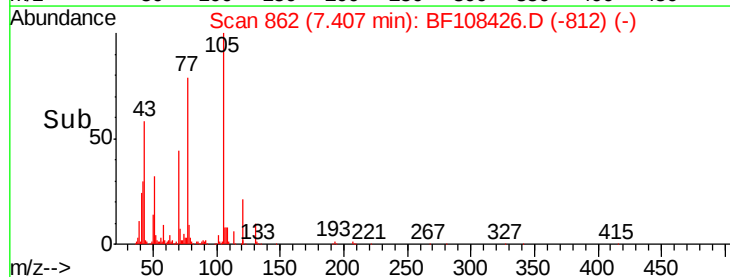
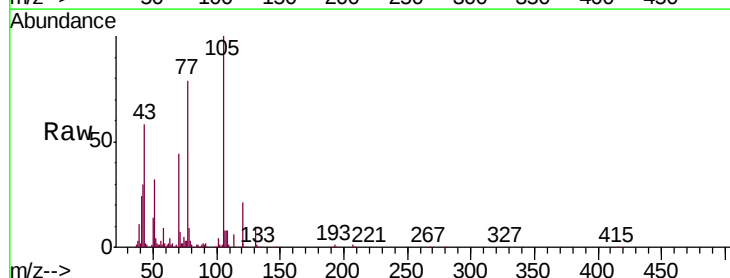
Ion Ratio Lower Upper

105 100

71 7.2 4.4 6.6#

51 32.4 22.3 33.5

120 20.8 16.9 25.3

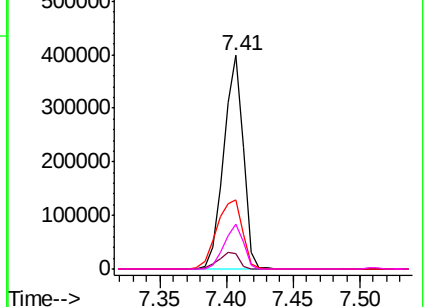


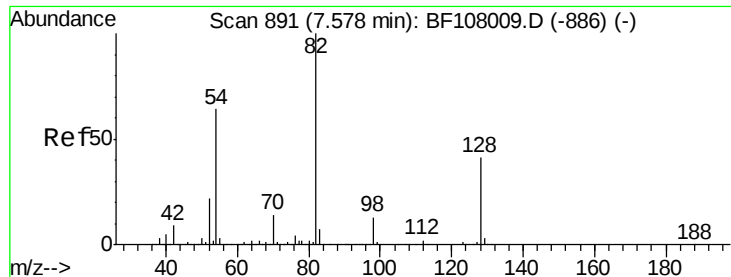
Abundance Ion 105.00 (104.70 to 105.70): E

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

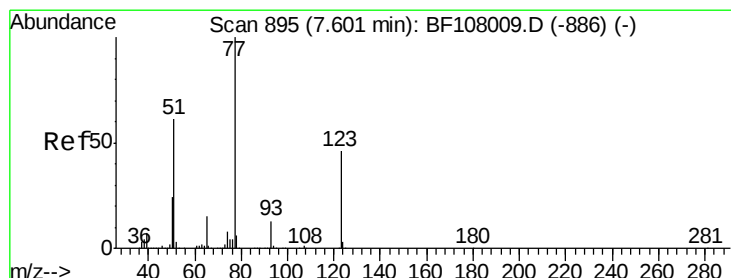
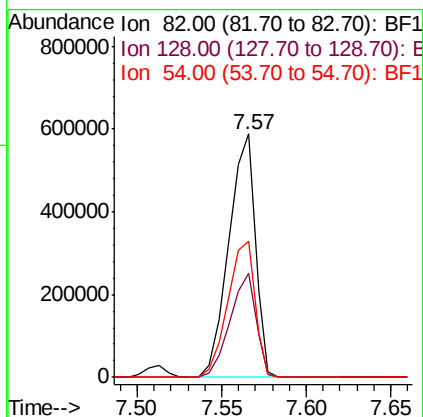
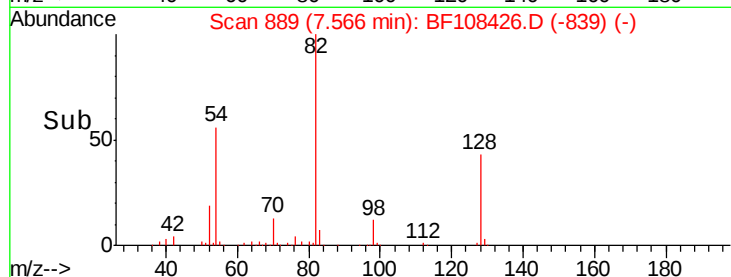
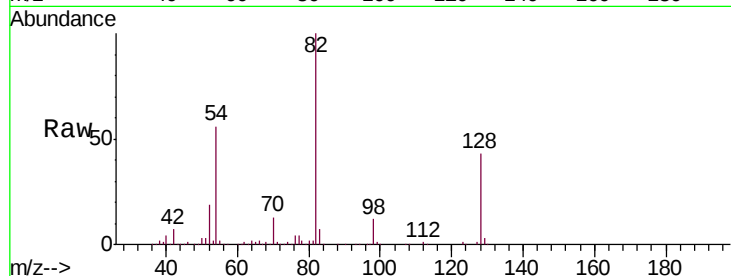




#23  
 Nitrobenzene-d5  
 Concen: 65.398 ng  
 RT: 7.57 min Scan# 889  
 Delta R.T. -0.01 min  
 Lab File: BF108426.D  
 Acq: 23 Aug 2018 17:49

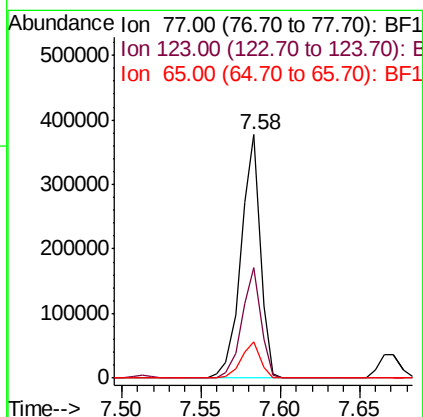
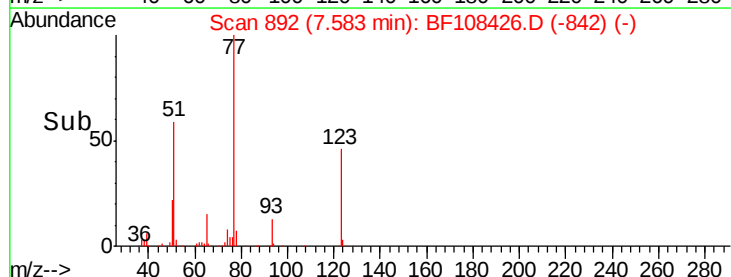
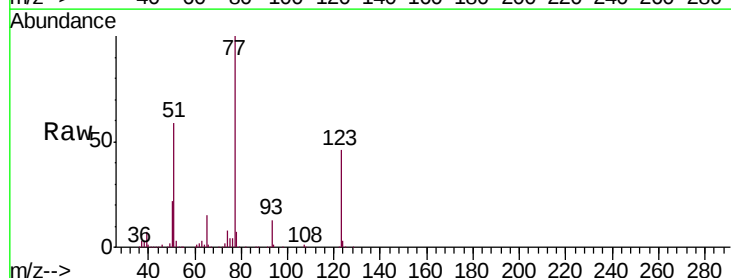
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081618-FL-036MSD

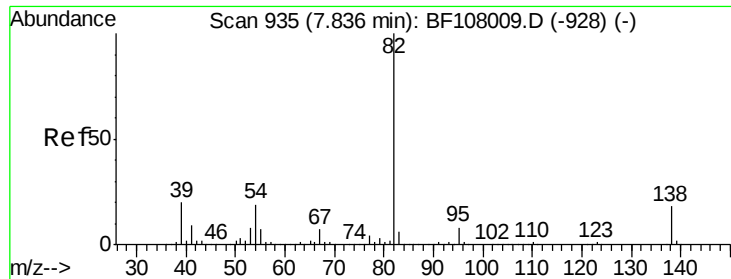
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 42.9  | 36.1  | 54.1  |
| 54      | 56.0  | 41.4  | 62.2  |



#24  
 Nitrobenzene  
 Concen: 32.007 ng  
 RT: 7.58 min Scan# 892  
 Delta R.T. -0.01 min  
 Lab File: BF108426.D  
 Acq: 23 Aug 2018 17:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 45.6  | 37.9  | 56.9  |
| 65      | 14.8  | 11.0  | 16.4  |

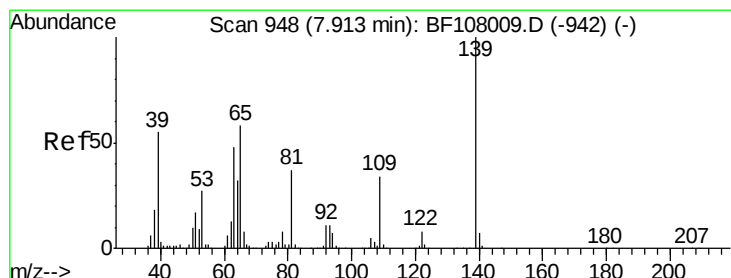
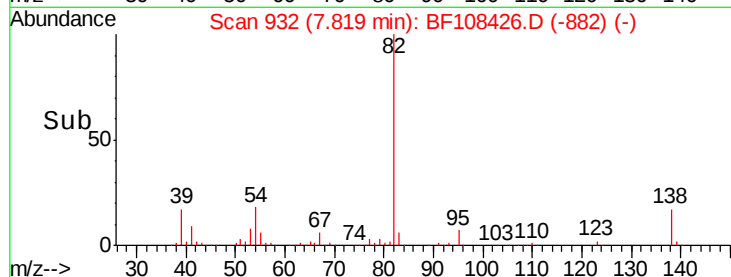
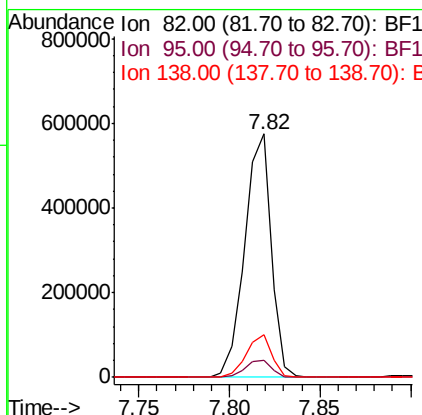
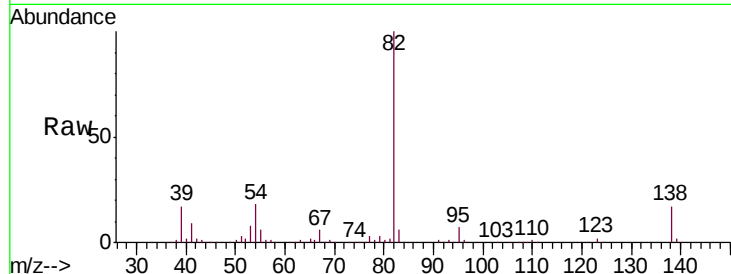




#25  
Isophorone  
Concen: 31.308 ng  
RT: 7.82 min Scan# 932  
Delta R.T. -0.01 min  
Lab File: BF108426.D  
Acq: 23 Aug 2018 17:49

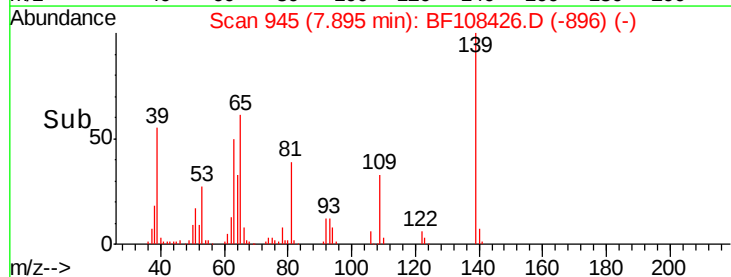
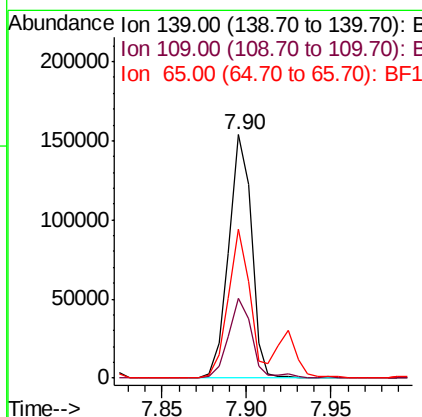
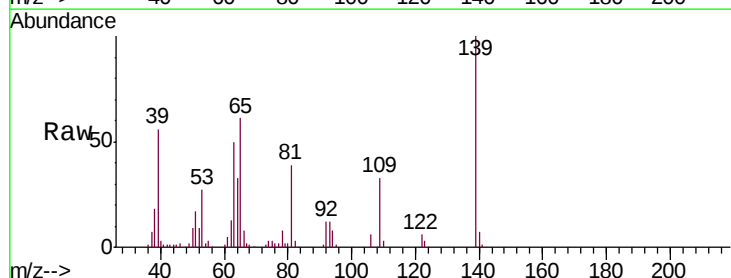
Instrument :  
BNA\_F  
ClientSampleId :  
RA-081618-FL-036MSD

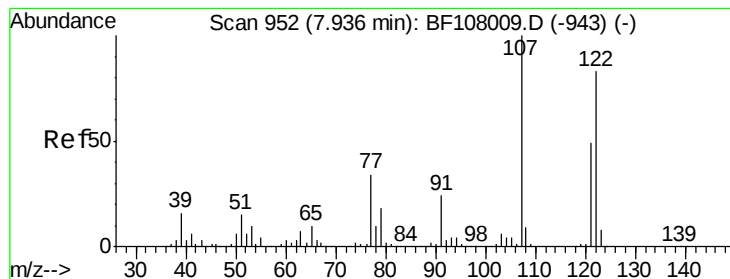
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 7.3   | 5.2   | 7.8   |
| 138     | 17.4  | 14.9  | 22.3  |



#26  
2-Nitrophenol  
Concen: 38.419 ng  
RT: 7.90 min Scan# 945  
Delta R.T. -0.01 min  
Lab File: BF108426.D  
Acq: 23 Aug 2018 17:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 32.7  | 22.7  | 34.1  |
| 65      | 61.0  | 40.5  | 60.7  |





#27

2,4-Dimethylphenol

Concen: 30.656 ng

RT: 7.92 min Scan# 950

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Instrument :

BNA\_F

ClientSampleId :

RA-081618-FL-036MSD

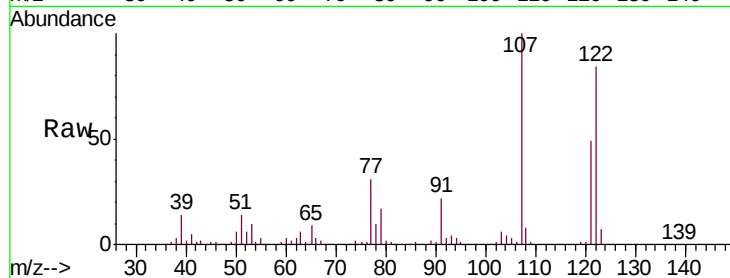
Tgt Ion:122 Resp: 254464

Ion Ratio Lower Upper

122 100

107 118.7 91.2 136.8

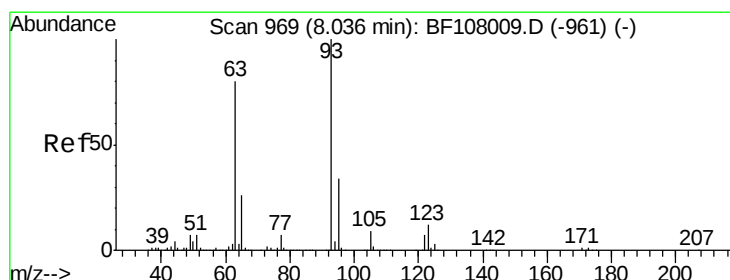
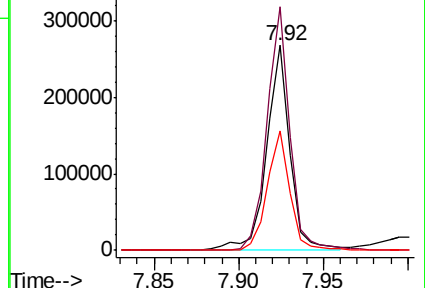
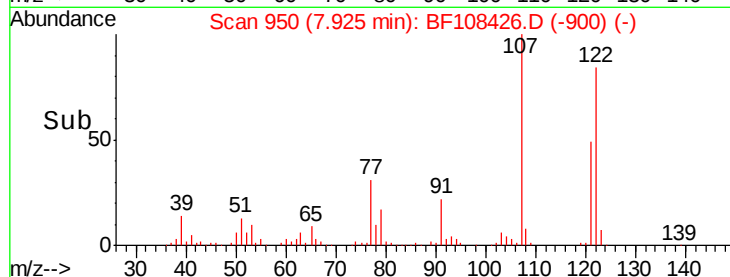
121 57.9 47.2 70.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 32.120 ng

RT: 8.02 min Scan# 966

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

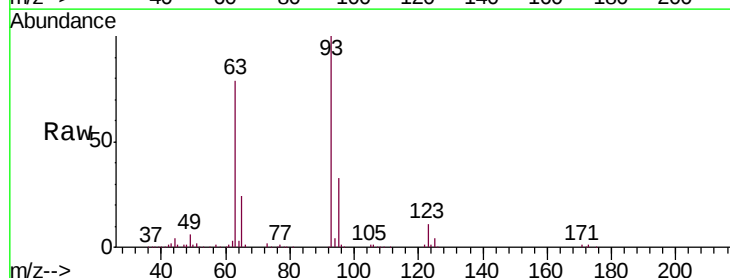
Tgt Ion: 93 Resp: 350684

Ion Ratio Lower Upper

93 100

95 33.5 26.3 39.5

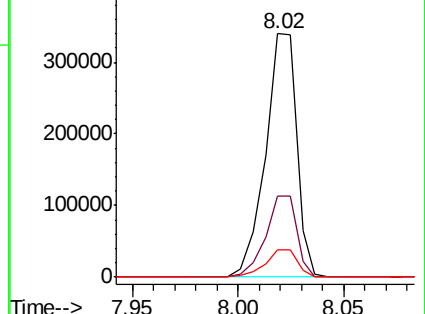
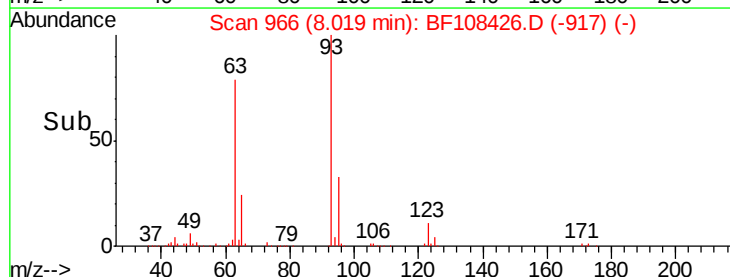
123 11.0 9.8 14.6



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

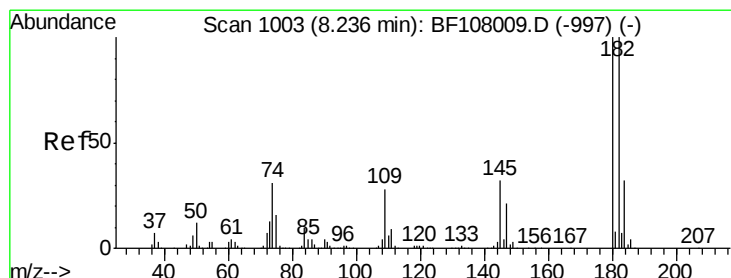
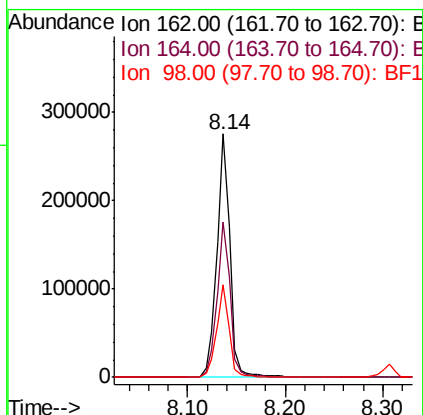
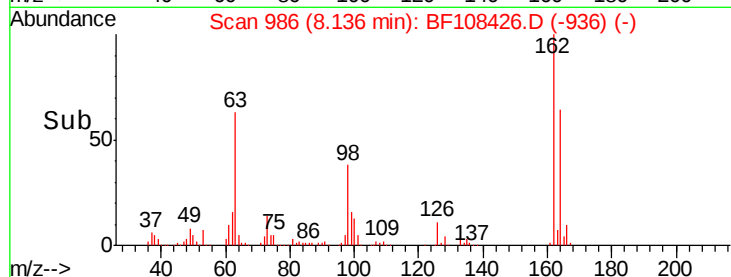
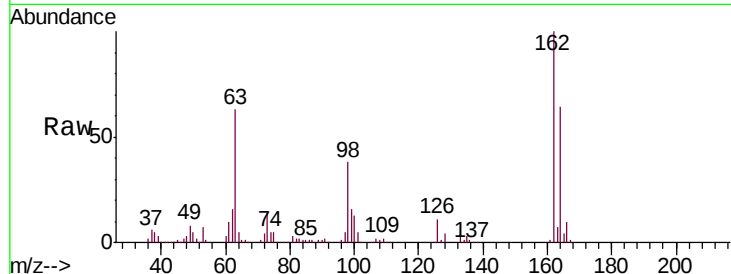




#29  
2,4-Dichlorophenol  
Concen: 33.445 ng  
RT: 8.14 min Scan# 986  
Delta R.T. -0.01 min  
Lab File: BF108426.D  
Acq: 23 Aug 2018 17:49

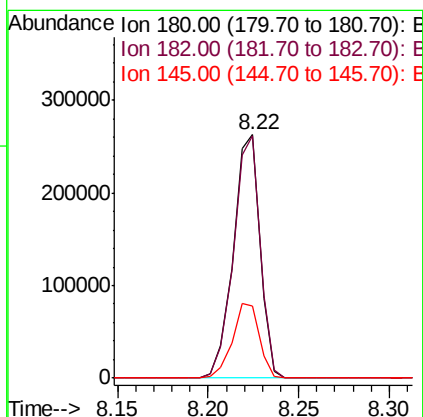
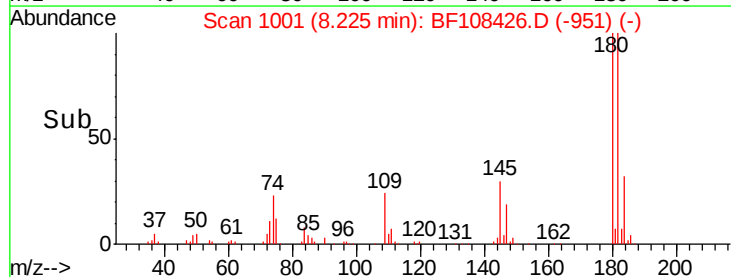
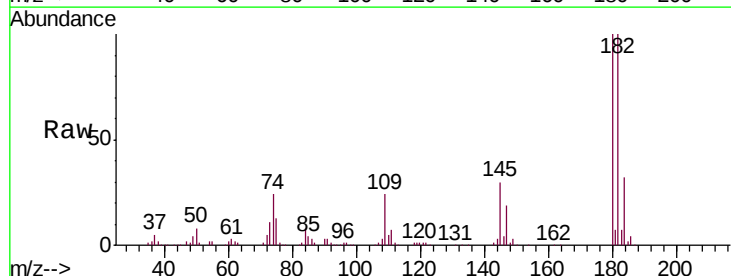
Instrument :  
BNA\_F  
ClientSampleId :  
RA-081618-FL-036MSD

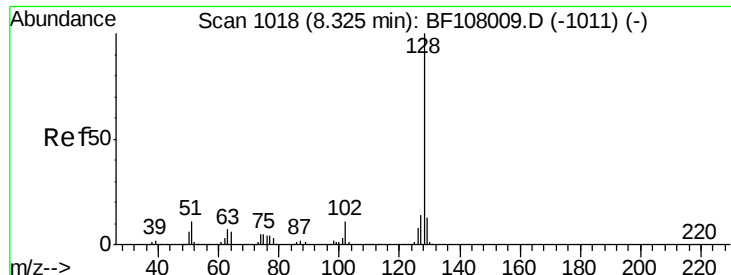
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 63.7  | 42.7  | 82.7  |
| 98      | 37.8  | 18.1  | 58.1  |



#30  
1,2,4-Trichlorobenzene  
Concen: 32.027 ng  
RT: 8.22 min Scan# 1001  
Delta R.T. -0.01 min  
Lab File: BF108426.D  
Acq: 23 Aug 2018 17:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 99.7  | 76.8  | 115.2 |
| 145     | 29.9  | 26.5  | 39.7  |

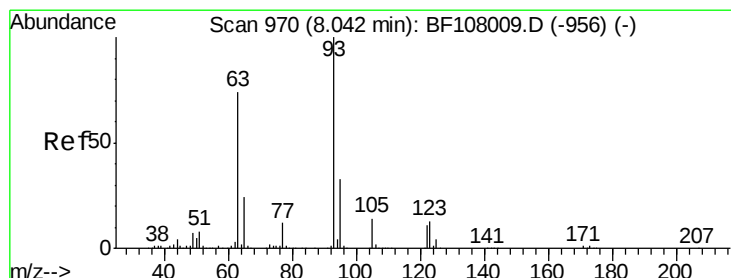
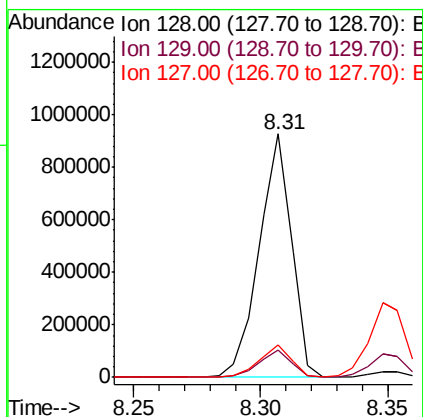
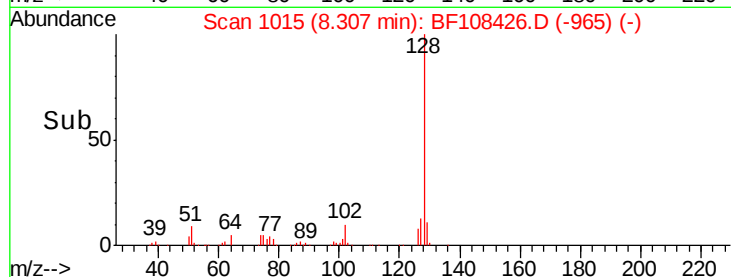
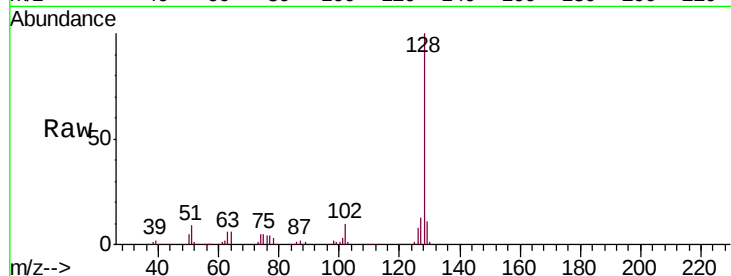




#31  
Naphthalene  
Concen: 33.424 ng  
RT: 8.31 min Scan# 1015  
Delta R.T. -0.01 min  
Lab File: BF108426.D  
Acq: 23 Aug 2018 17:49

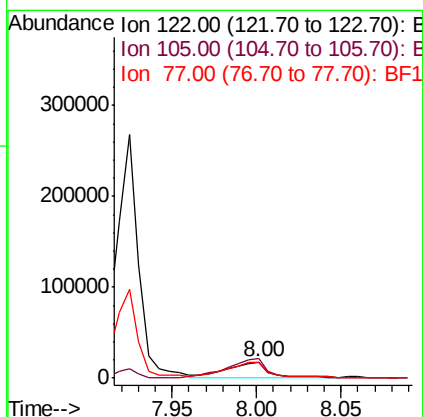
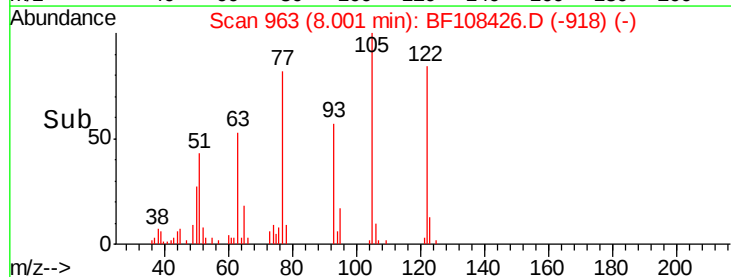
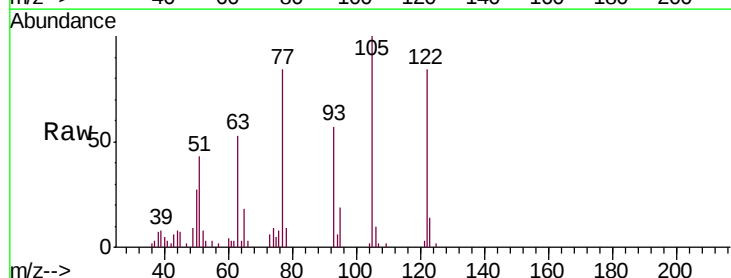
Instrument :  
BNA\_F  
ClientSampleId :  
RA-081618-FL-036MSD

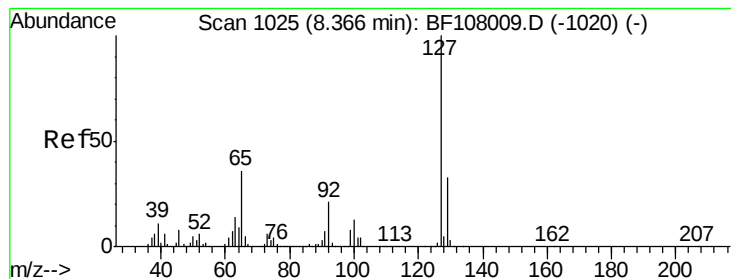
Tgt Ion:128 Resp: 832285  
Ion Ratio Lower Upper  
128 100  
129 11.2 8.8 13.2  
127 13.2 10.9 16.3



#32  
Benzoic acid  
Concen: 11.137 ng  
RT: 8.00 min Scan# 963  
Delta R.T. -0.04 min  
Lab File: BF108426.D  
Acq: 23 Aug 2018 17:49

Tgt Ion:122 Resp: 28402  
Ion Ratio Lower Upper  
122 100  
105 119.3 101.1 141.1  
77 99.9 70.7 110.7





#33

4-Chloroaniline

Concen: 26.947 ng

RT: 8.35 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

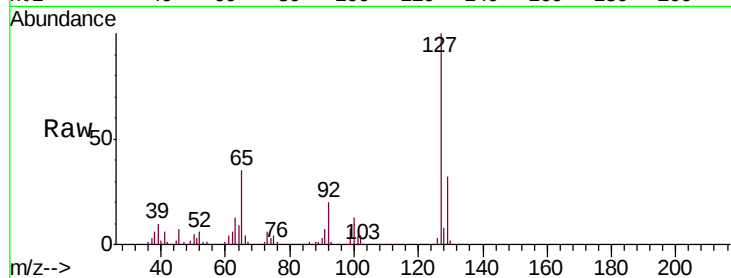
Instrument :

BNA\_F

ClientSampleId :

RA-081618-FL-036MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 292424 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 31.6  | 25.9  | 38.9   |
| 65       | 35.2  | 25.0  | 37.4   |
| 92       | 20.1  | 15.2  | 22.8   |



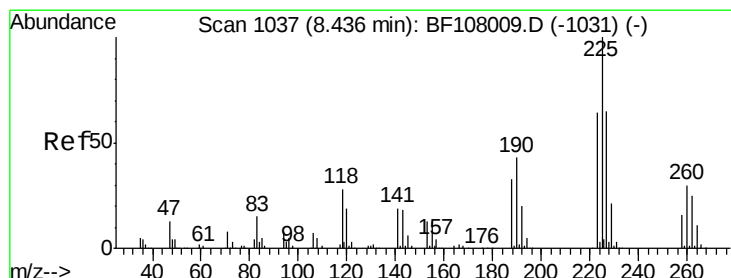
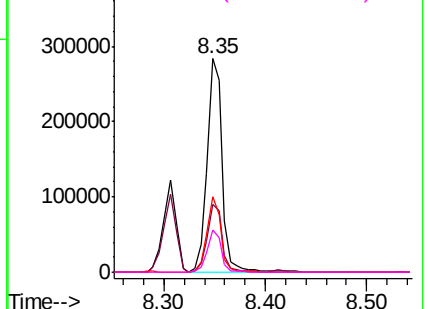
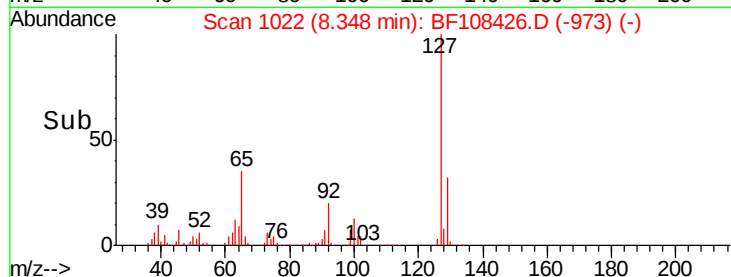
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34

Hexachlorobutadiene

Concen: 32.455 ng

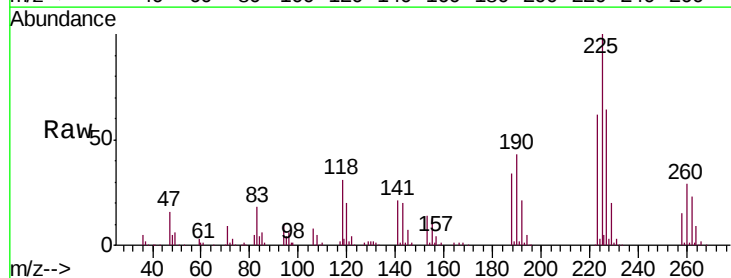
RT: 8.41 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 173041 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.5  | 50.6  | 76.0   |
| 227      | 63.8  | 51.9  | 77.9   |

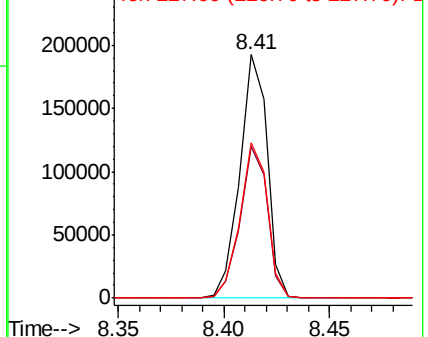
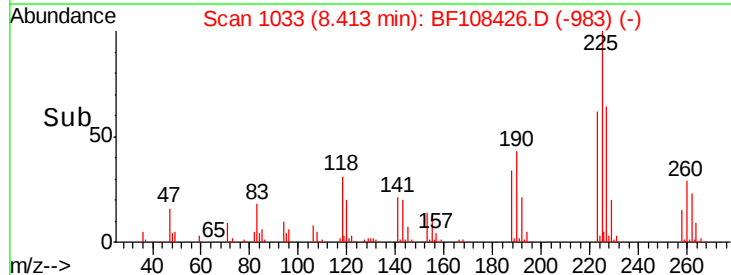


Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

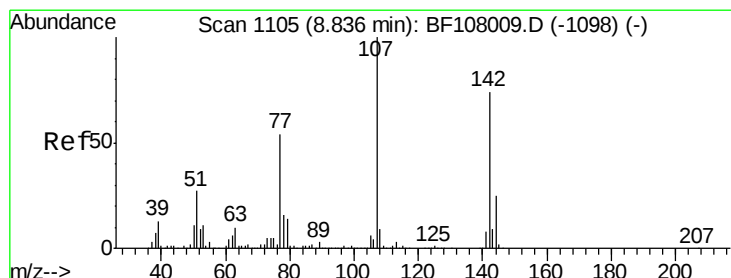
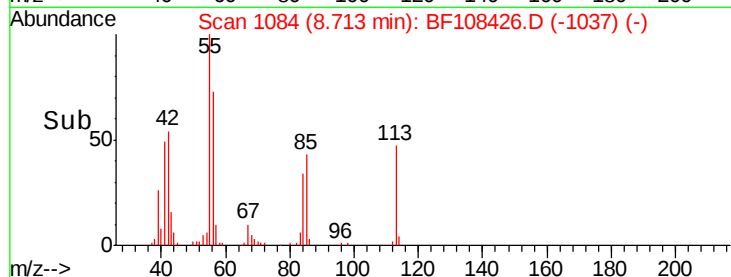
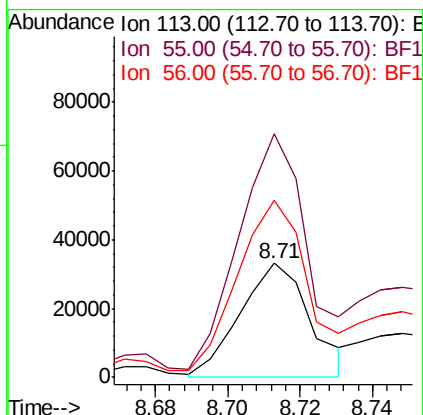
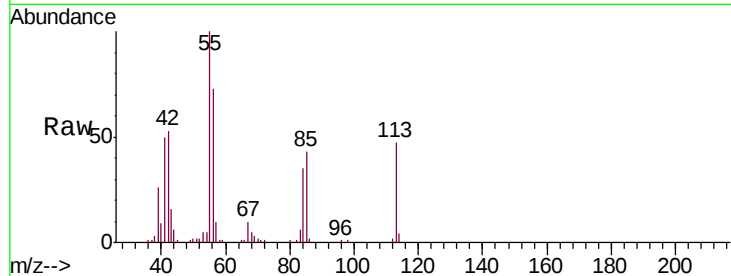




#35  
 Caprolactam  
 Concen: 18.485 ng  
 RT: 8.71 min Scan# 1084  
 Delta R.T. -0.02 min  
 Lab File: BF108426.D  
 Acq: 23 Aug 2018 17:49

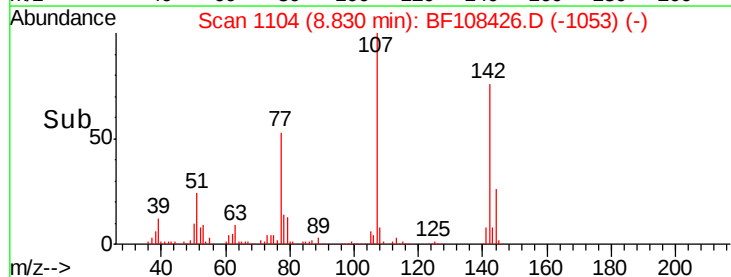
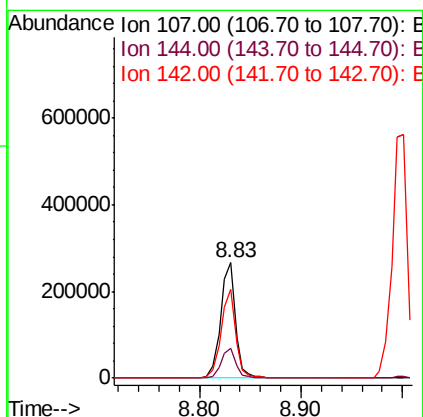
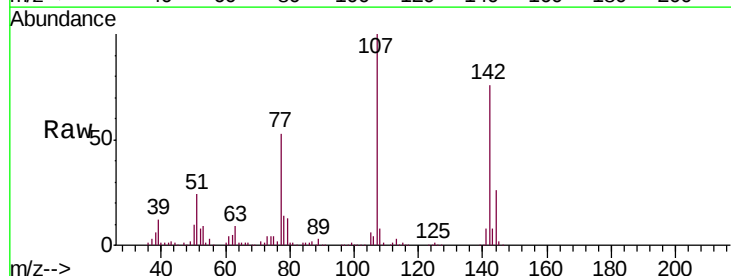
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081618-FL-036MSD

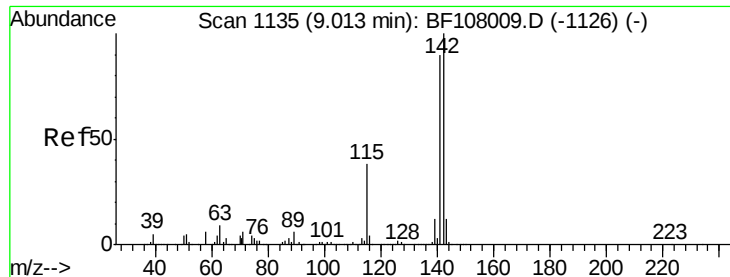
Tgt Ion:113 Resp: 44251  
 Ion Ratio Lower Upper  
 113 100  
 55 213.8 163.3 203.3#  
 56 155.1 115.7 155.7



#36  
 4-Chloro-3-methylphenol  
 Concen: 33.013 ng  
 RT: 8.83 min Scan# 1104  
 Delta R.T. -0.00 min  
 Lab File: BF108426.D  
 Acq: 23 Aug 2018 17:49

Tgt Ion:107 Resp: 272046  
 Ion Ratio Lower Upper  
 107 100  
 144 25.7 20.5 30.7  
 142 76.5 62.0 93.0

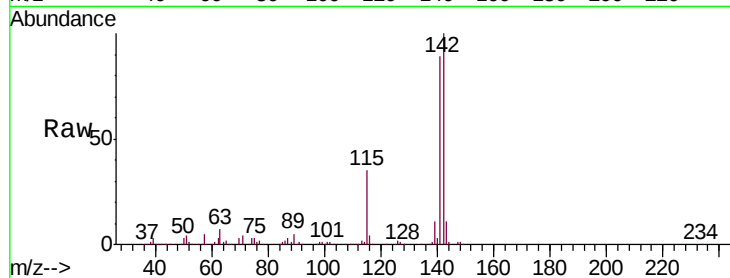




#37  
 2-Methylnaphthalene  
 Concen: 32.517 ng  
 RT: 9.00 min Scan# 1133  
 Delta R.T. -0.01 min  
 Lab File: BF108426.D  
 Acq: 23 Aug 2018 17:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081618-FL-036MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.4  | 70.8  | 106.2 |
| 115     | 35.4  | 26.1  | 39.1  |

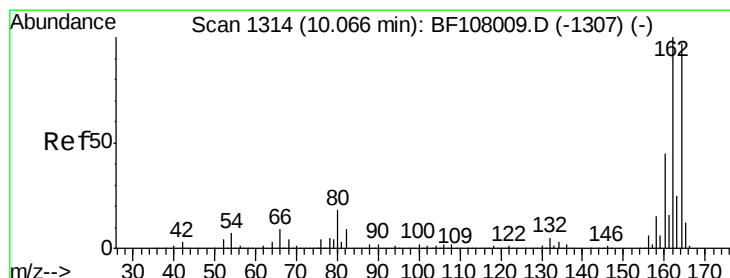
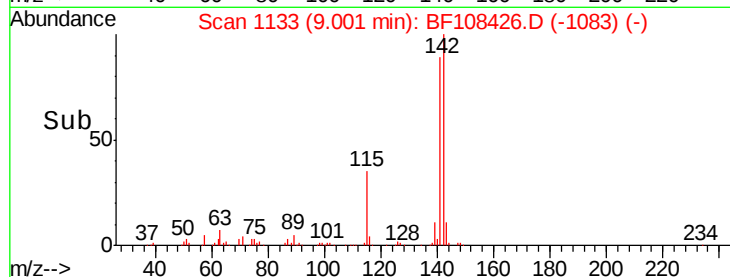
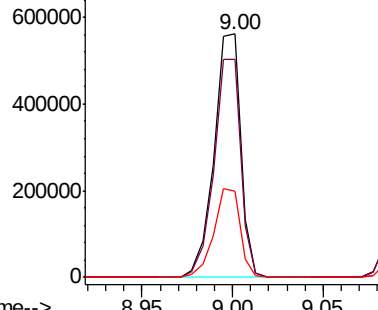


Abundance

Ion 142.00 (141.70 to 142.70): E

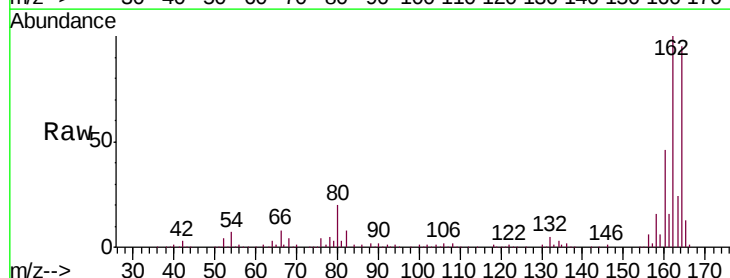
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.05 min Scan# 1311  
 Delta R.T. -0.01 min  
 Lab File: BF108426.D  
 Acq: 23 Aug 2018 17:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.0 | 86.1  | 129.1 |
| 160     | 47.8  | 38.3  | 57.5  |

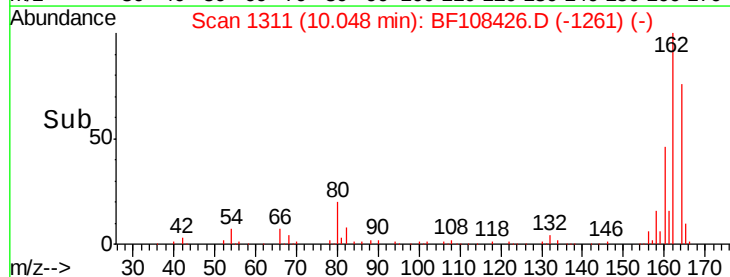
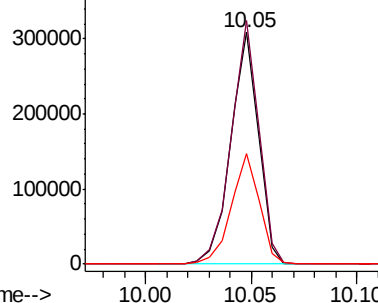


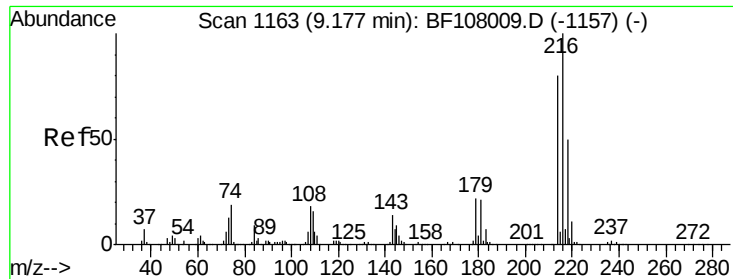
Abundance

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

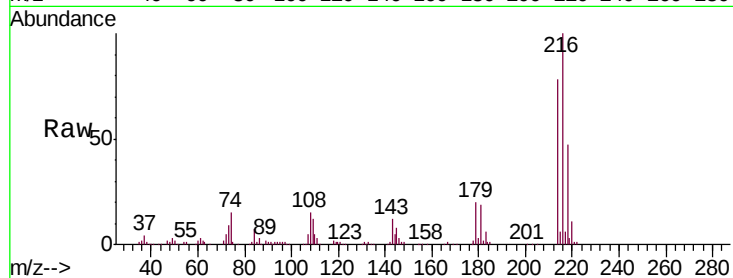




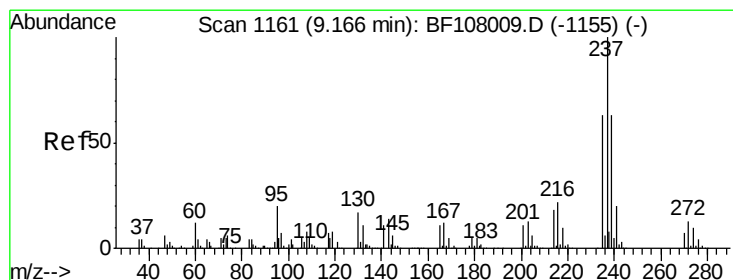
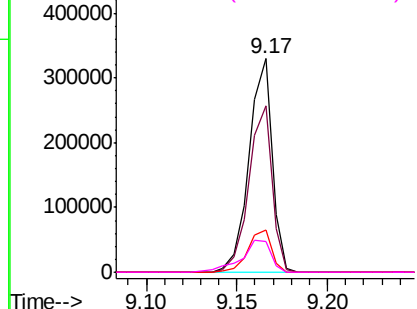
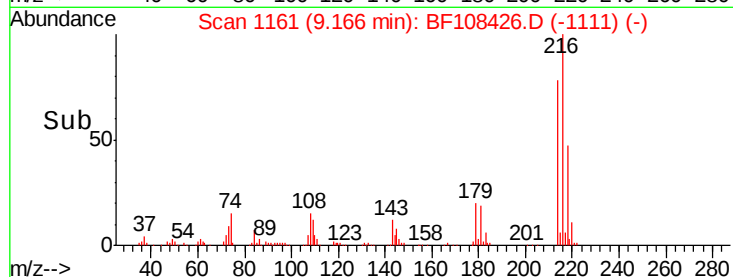
#39  
1,2,4,5-Tetrachlorobenzene  
Concen: 33.644 ng  
RT: 9.17 min Scan# 1161  
Delta R.T. -0.01 min  
Lab File: BF108426.D  
Acq: 23 Aug 2018 17:49

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081618-FL-036MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 216   | Resp: | 292586 |
| Ion      | Ratio | Lower | Upper  |
| 216      | 100   |       |        |
| 214      | 78.5  | 63.0  | 94.4   |
| 179      | 20.2  | 18.1  | 27.1   |
| 108      | 18.9  | 17.2  | 25.8   |

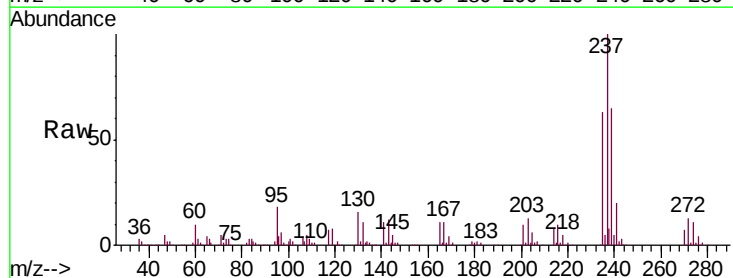


Abundance Ion 216.00 (215.70 to 216.70): E  
Ion 214.00 (213.70 to 214.70): E  
Ion 179.00 (178.70 to 179.70): E  
Ion 108.00 (107.70 to 108.70): E

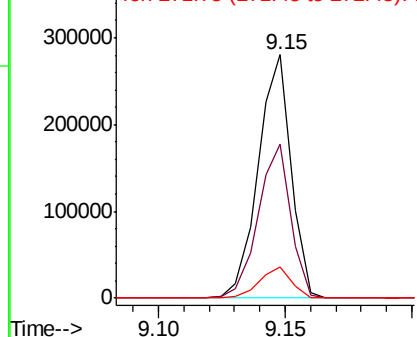
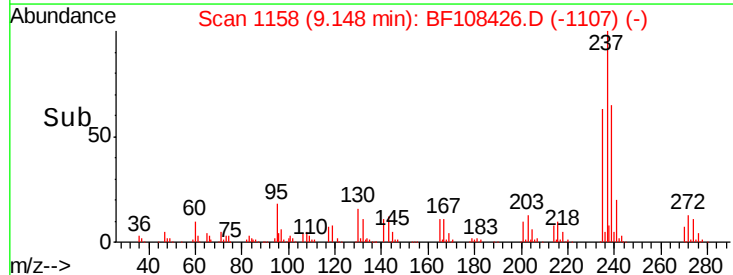


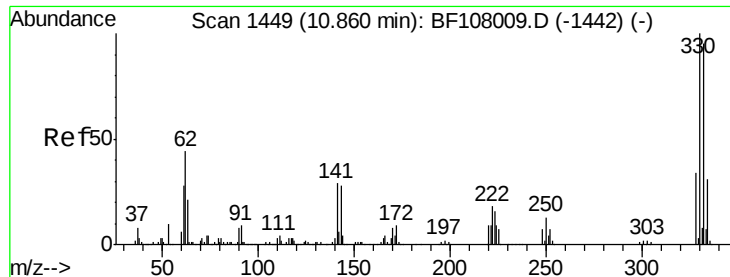
#40  
Hexachlorocyclopentadiene  
Concen: 44.946 ng  
RT: 9.15 min Scan# 1158  
Delta R.T. -0.00 min  
Lab File: BF108426.D  
Acq: 23 Aug 2018 17:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 237   | Resp: | 252475 |
| Ion      | Ratio | Lower | Upper  |
| 237      | 100   |       |        |
| 235      | 63.2  | 44.8  | 84.8   |
| 272      | 12.8  | 0.0   | 33.3   |



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

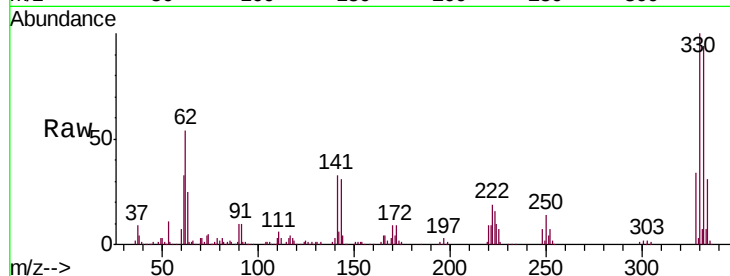




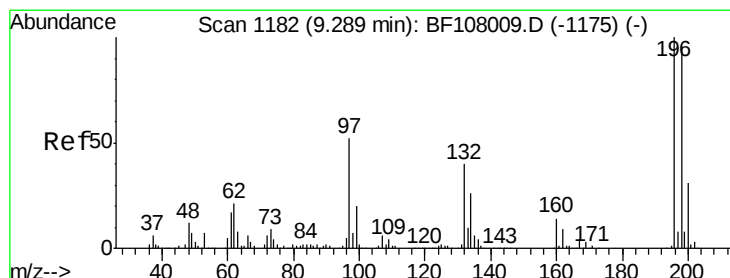
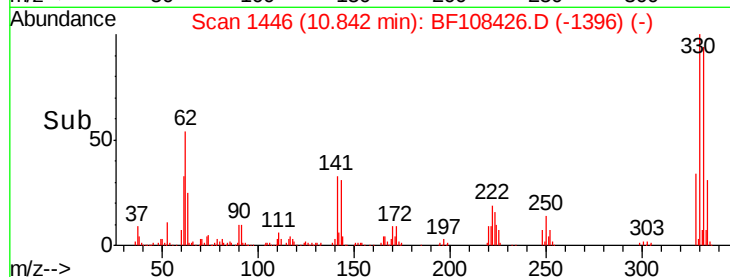
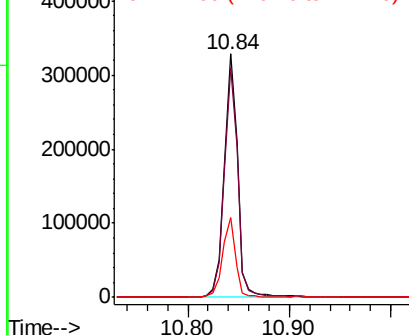
#41  
 2,4,6-Tribromophenol  
 Concen: 106.568 ng  
 RT: 10.84 min Scan# 1446  
 Delta R.T. -0.01 min  
 Lab File: BF108426.D  
 Acq: 23 Aug 2018 17:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081618-FL-036MSD

Tgt Ion:330 Resp: 301033  
 Ion Ratio Lower Upper  
 330 100  
 332 95.5 77.0 115.6  
 141 32.0 29.9 44.9

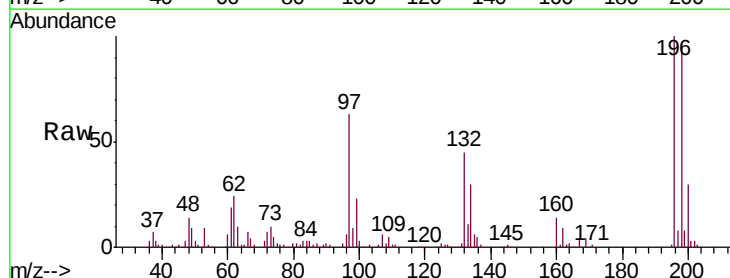


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

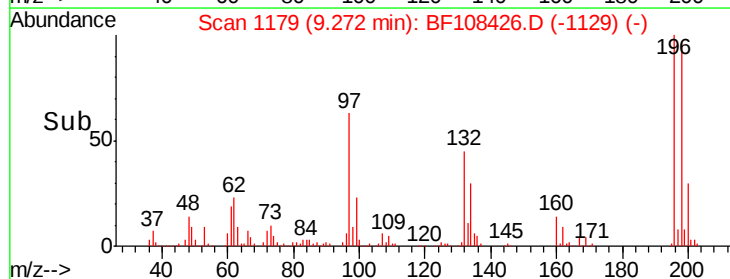
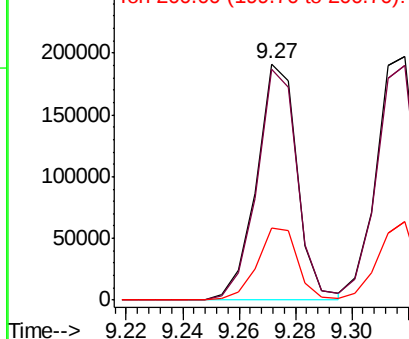


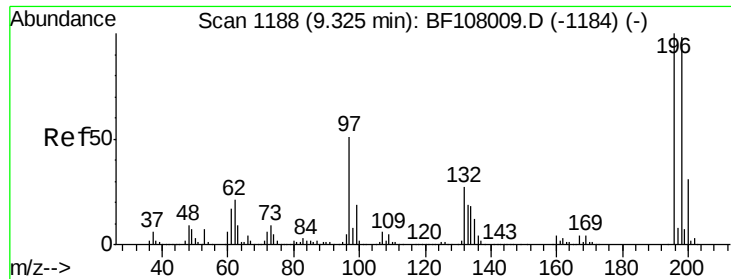
#42  
 2,4,6-Trichlorophenol  
 Concen: 35.413 ng  
 RT: 9.27 min Scan# 1179  
 Delta R.T. -0.01 min  
 Lab File: BF108426.D  
 Acq: 23 Aug 2018 17:49

Tgt Ion:196 Resp: 191115  
 Ion Ratio Lower Upper  
 196 100  
 198 97.5 75.7 113.5  
 200 30.5 24.5 36.7



Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

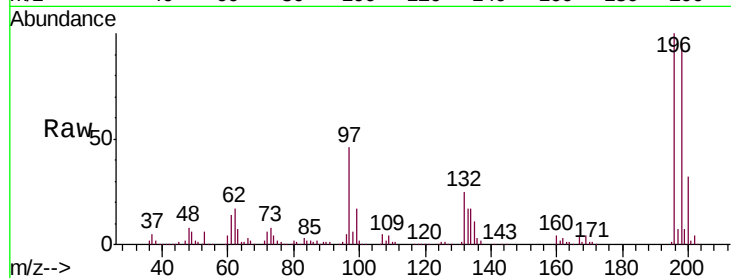




#43  
 2,4,5-Trichlorophenol  
 Concen: 35.322 ng  
 RT: 9.32 min Scan# 1187  
 Delta R.T. -0.00 min  
 Lab File: BF108426.D  
 Acq: 23 Aug 2018 17:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081618-FL-036MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 196     | 100   |       |       |
| 198     | 96.3  | 74.6  | 112.0 |
| 97      | 45.6  | 42.9  | 64.3  |
| 132     | 25.5  | 26.3  | 39.5  |



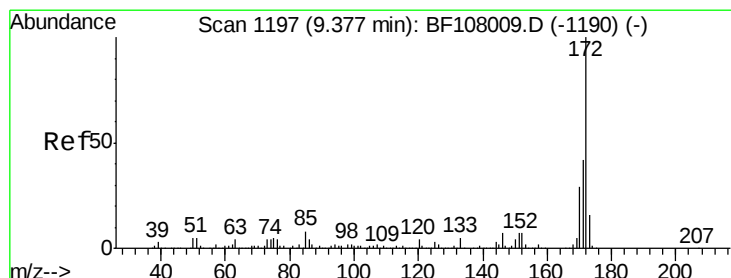
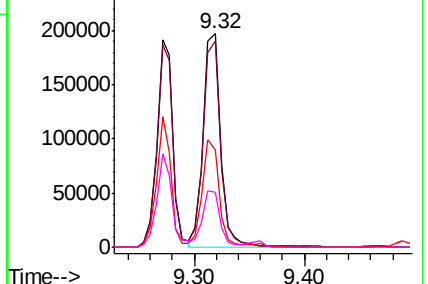
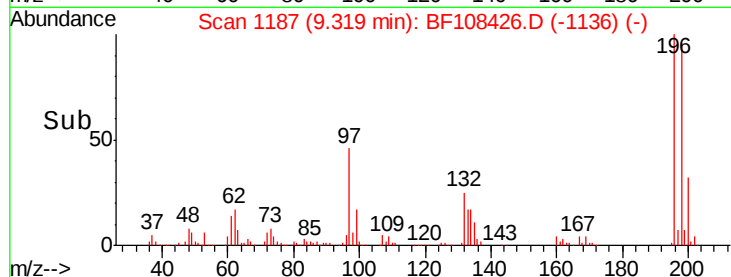
Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

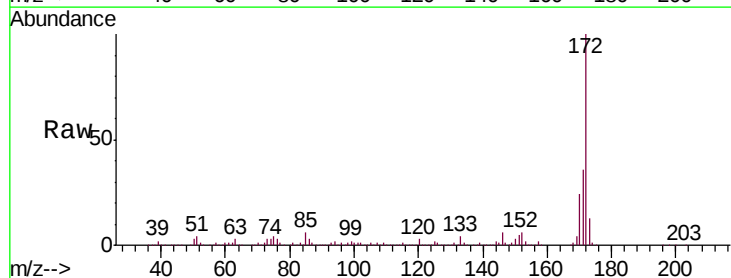
Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 64.033 ng  
 RT: 9.36 min Scan# 1194  
 Delta R.T. -0.01 min  
 Lab File: BF108426.D  
 Acq: 23 Aug 2018 17:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.4  | 29.7  | 44.5  |
| 170     | 24.3  | 19.6  | 29.4  |

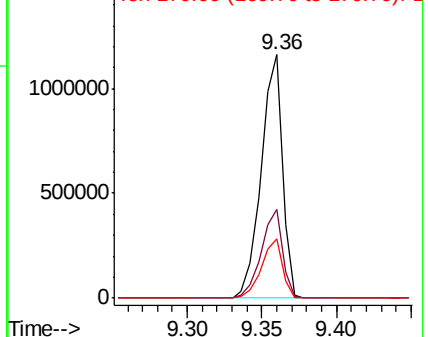
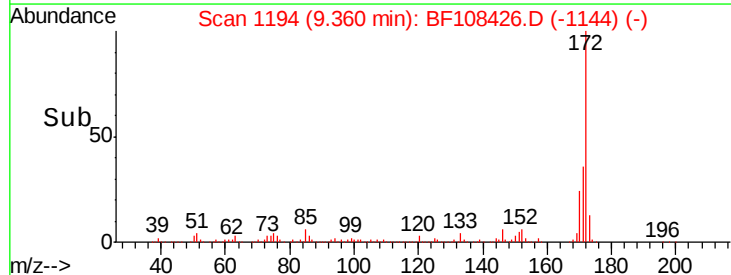


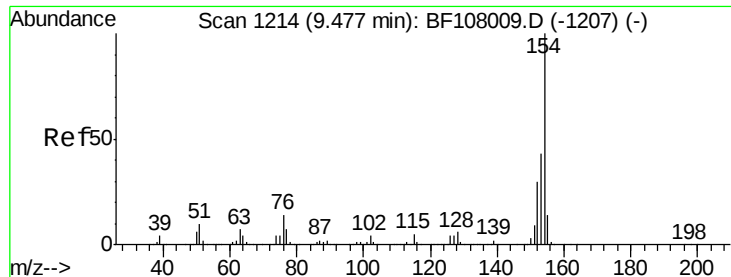
Abundance

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

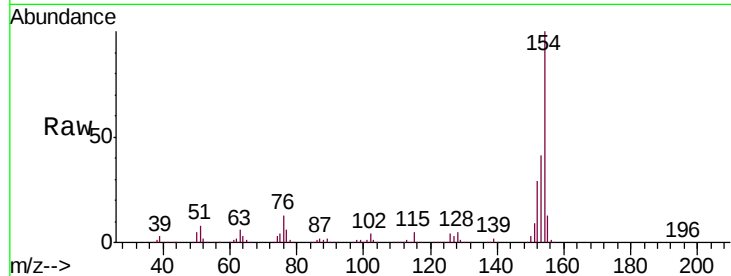




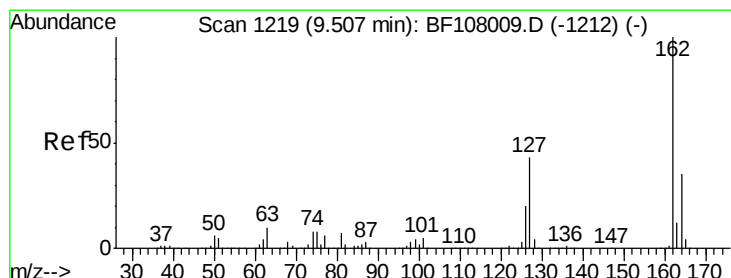
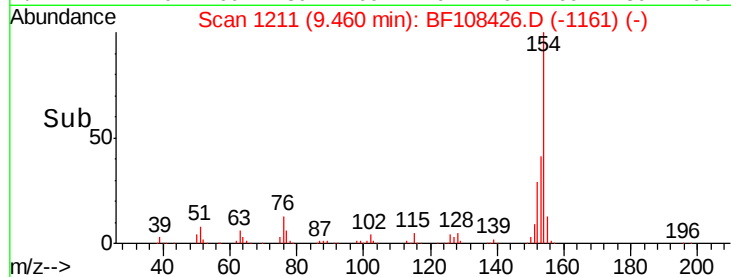
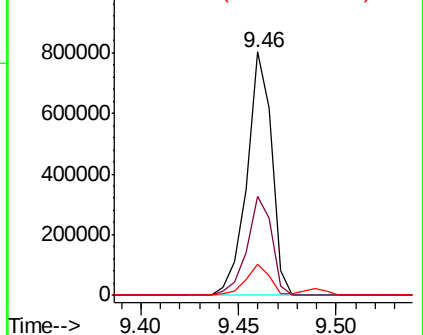
#45  
 1,1'-Biphenyl  
 Concen: 33.625 ng  
 RT: 9.46 min Scan# 1211  
 Delta R.T. -0.01 min  
 Lab File: BF108426.D  
 Acq: 23 Aug 2018 17:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081618-FL-036MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 154   | Resp: | 702079 |
| Ion      | Ratio | Lower | Upper  |
| 154      | 100   |       |        |
| 153      | 40.9  | 21.3  | 61.3   |
| 76       | 12.9  | 0.0   | 34.0   |

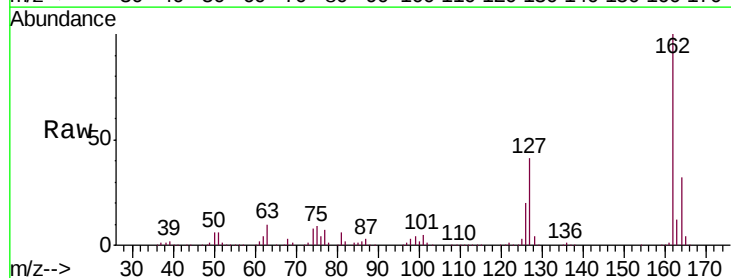


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF1

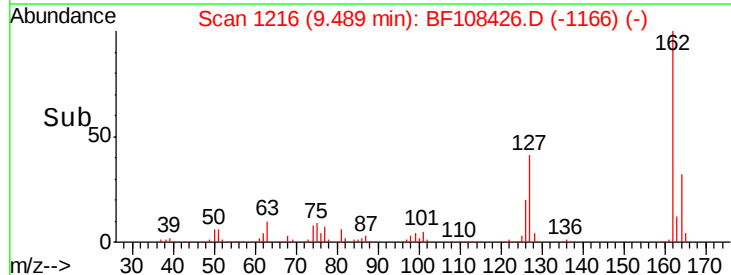
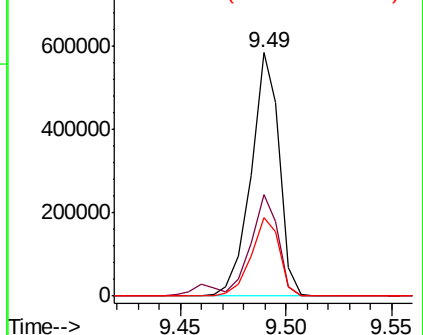


#46  
 2-Chloronaphthalene  
 Concen: 32.841 ng  
 RT: 9.49 min Scan# 1216  
 Delta R.T. -0.01 min  
 Lab File: BF108426.D  
 Acq: 23 Aug 2018 17:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 162   | Resp: | 541972 |
| Ion      | Ratio | Lower | Upper  |
| 162      | 100   |       |        |
| 127      | 41.5  | 33.9  | 50.9   |
| 164      | 32.5  | 26.5  | 39.7   |



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

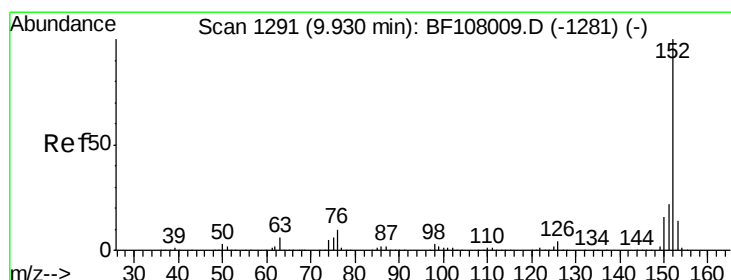
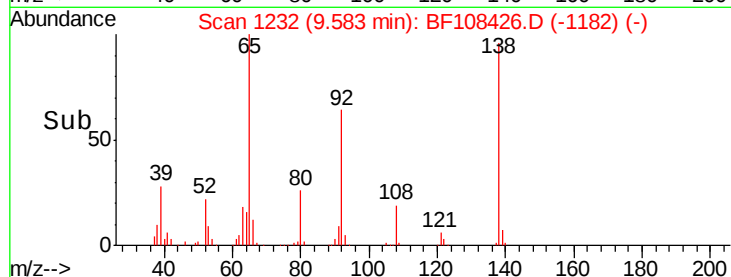
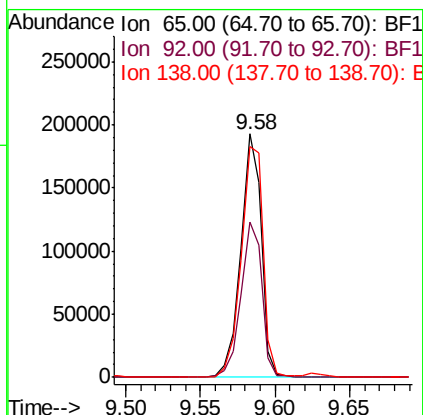
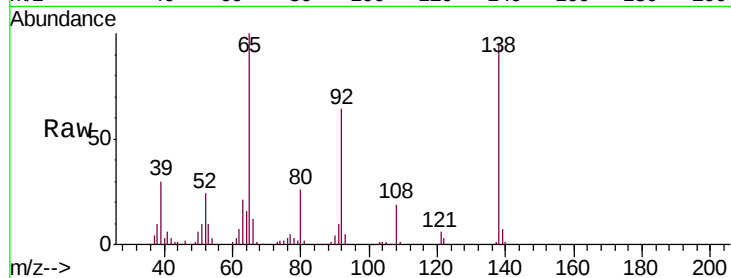




#47  
2-Nitroaniline  
Concen: 34.520 ng  
RT: 9.58 min Scan# 1232  
Delta R.T. -0.01 min  
Lab File: BF108426.D  
Acq: 23 Aug 2018 17:49

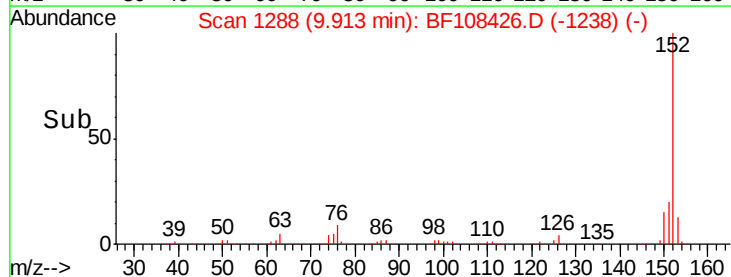
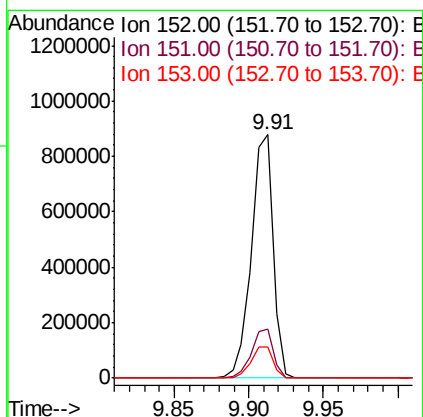
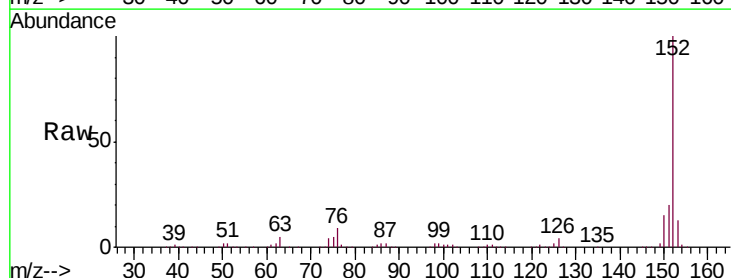
Instrument :  
BNA\_F  
ClientSampleId :  
RA-081618-FL-036MSD

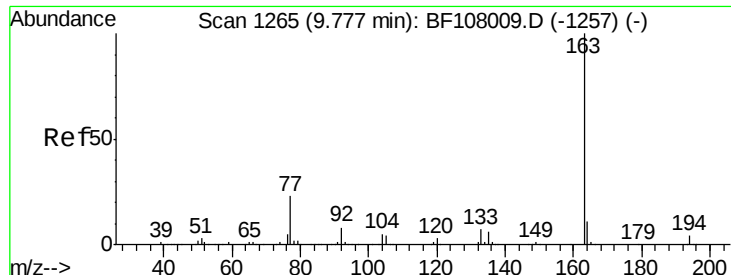
Tgt Ion: 65 Resp: 184325  
Ion Ratio Lower Upper  
65 100  
92 63.7 55.8 83.6  
138 94.8 91.2 136.8



#48  
Acenaphthylene  
Concen: 33.817 ng  
RT: 9.91 min Scan# 1288  
Delta R.T. -0.01 min  
Lab File: BF108426.D  
Acq: 23 Aug 2018 17:49

Tgt Ion: 152 Resp: 882268  
Ion Ratio Lower Upper  
152 100  
151 20.4 16.3 24.5  
153 13.0 10.7 16.1

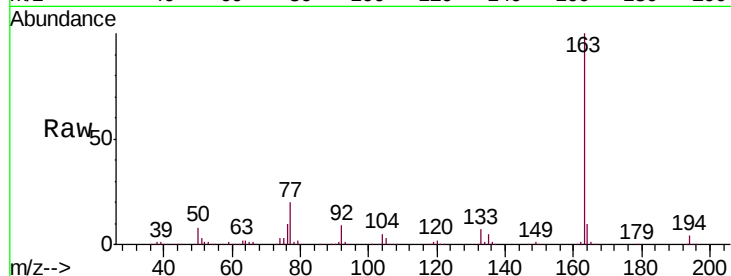




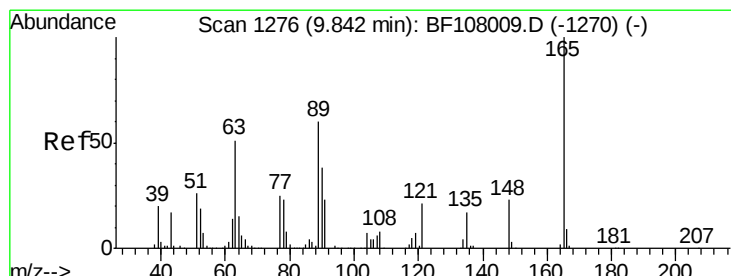
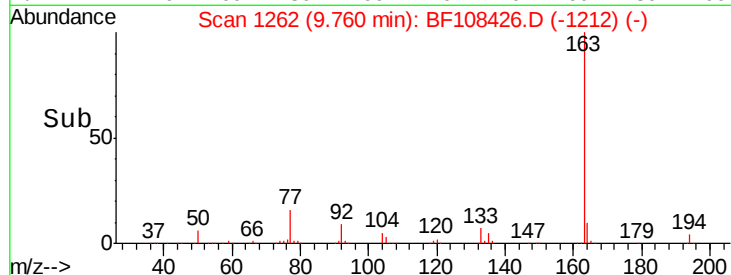
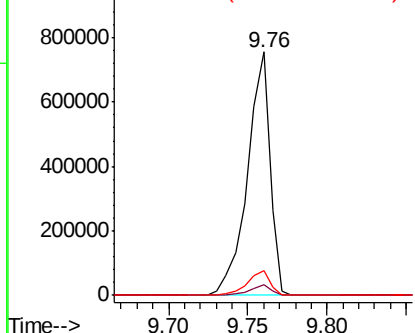
#49  
 Dimethylphthalate  
 Concen: 37.739 ng  
 RT: 9.76 min Scan# 1262  
 Delta R.T. -0.01 min  
 Lab File: BF108426.D  
 Acq: 23 Aug 2018 17:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081618-FL-036MSD

Tgt Ion:163 Resp: 744470  
 Ion Ratio Lower Upper  
 163 100  
 194 4.2 2.7 4.1#  
 164 10.1 8.2 12.2

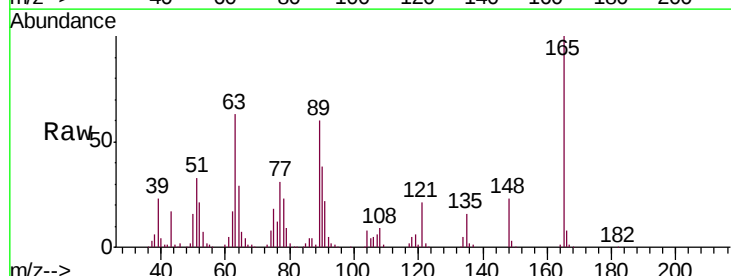


Abundance Ion 163.00 (162.70 to 163.70): E  
 Ion 194.00 (193.70 to 194.70): E  
 Ion 164.00 (163.70 to 164.70): E

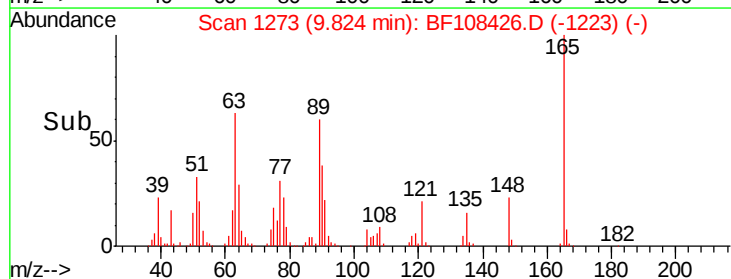
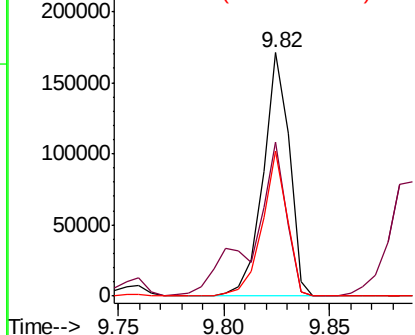


#50  
 2,6-Dinitrotoluene  
 Concen: 35.792 ng  
 RT: 9.82 min Scan# 1273  
 Delta R.T. -0.01 min  
 Lab File: BF108426.D  
 Acq: 23 Aug 2018 17:49

Tgt Ion:165 Resp: 147721  
 Ion Ratio Lower Upper  
 165 100  
 63 63.2 44.7 67.1  
 89 59.8 44.0 66.0



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





#51

Acenaphthene

Concen: 32.642 ng

RT: 10.08 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Instrument :

BNA\_F

ClientSampleId :

RA-081618-FL-036MSD

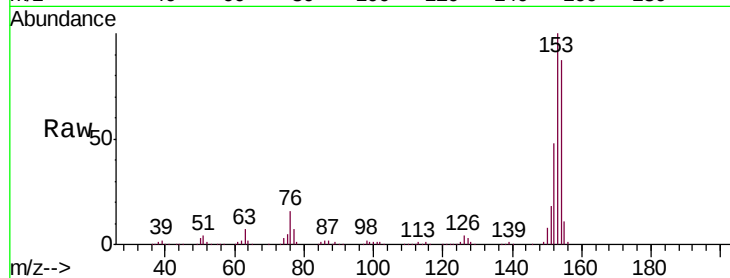
Tgt Ion:154 Resp: 521616

Ion Ratio Lower Upper

154 100

153 114.7 91.2 136.8

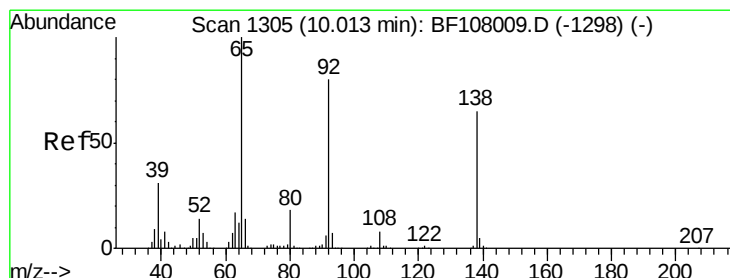
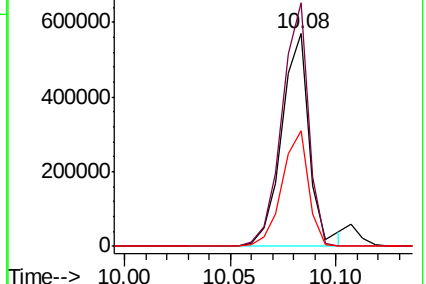
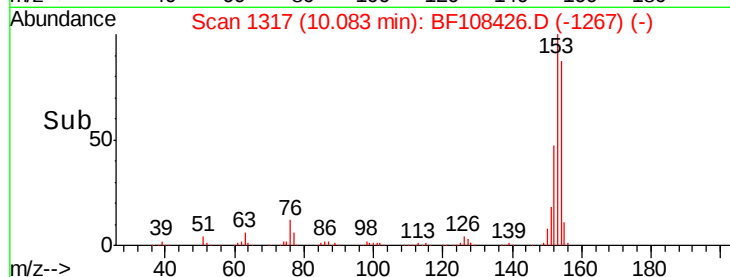
152 54.5 43.8 65.8



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



#52

3-Nitroaniline

Concen: 29.663 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

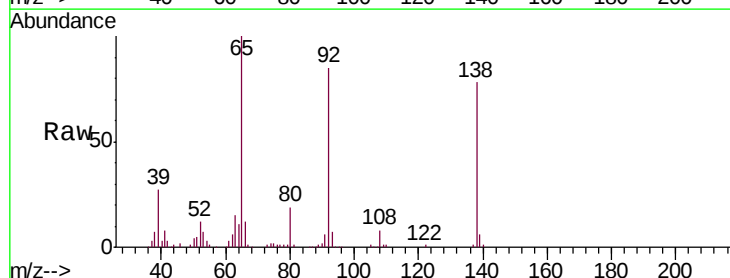
Tgt Ion:138 Resp: 133950

Ion Ratio Lower Upper

138 100

108 9.9 9.4 14.0

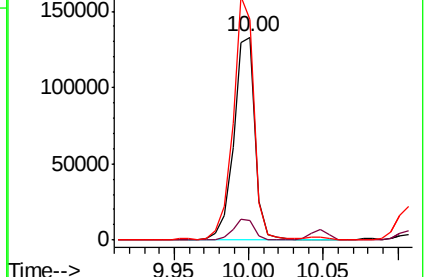
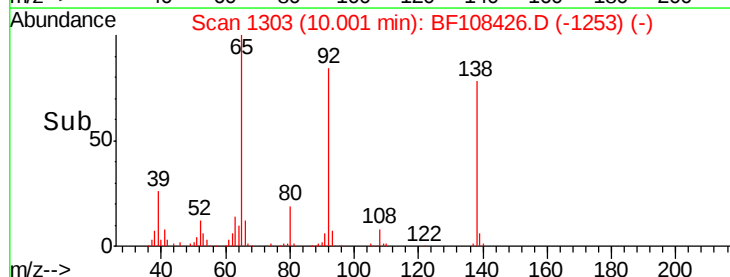
92 108.4 89.4 134.2

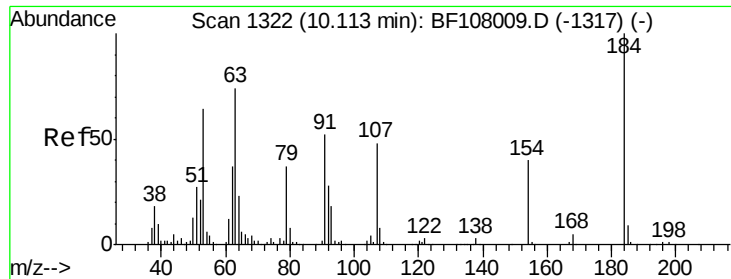


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

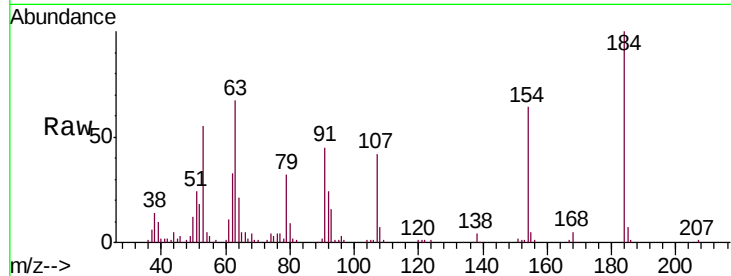




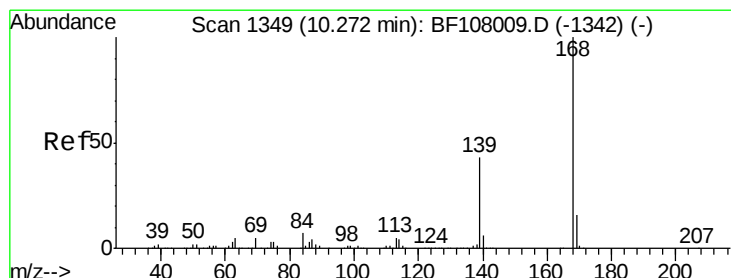
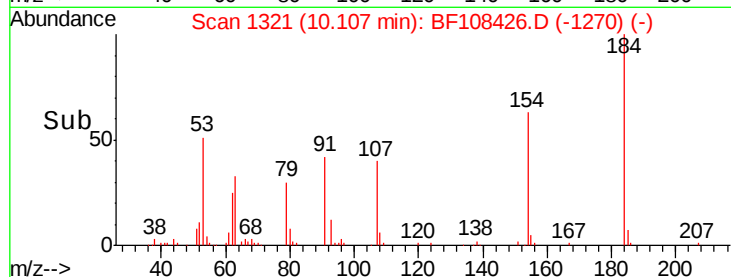
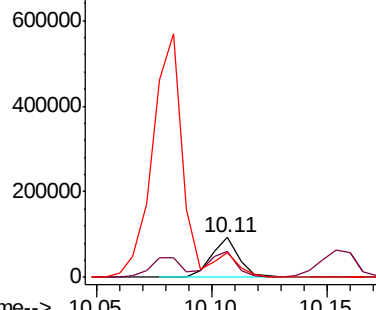
#53  
2,4-Dinitrophenol  
Concen: 52.852 ng  
RT: 10.11 min Scan# 1321  
Delta R.T. -0.00 min  
Lab File: BF108426.D  
Acq: 23 Aug 2018 17:49

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081618-FL-036MSD

Tgt Ion:184 Resp: 77600  
Ion Ratio Lower Upper  
184 100  
63 66.9 54.2 81.2  
154 63.6 184.0 276.0#

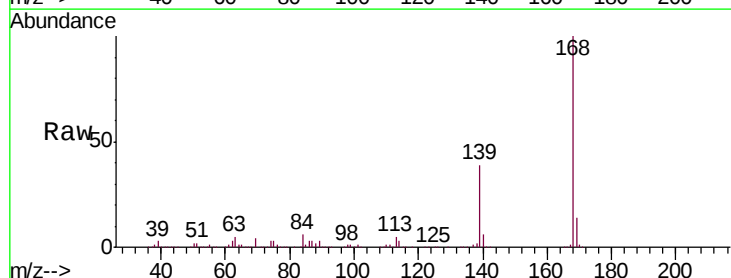


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 154.00 (153.70 to 154.70): E

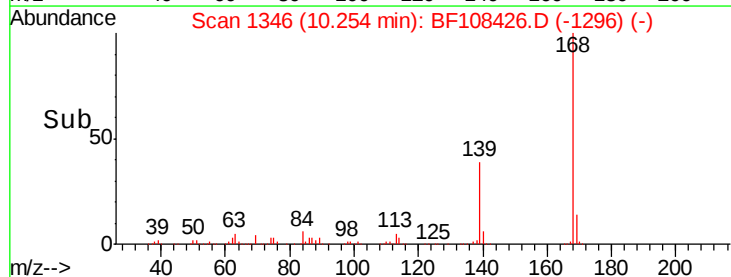
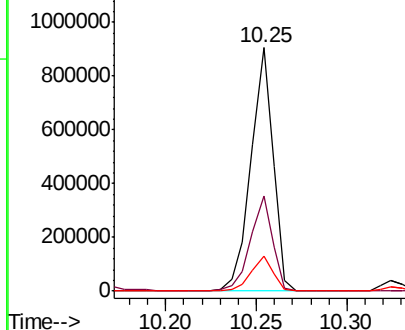


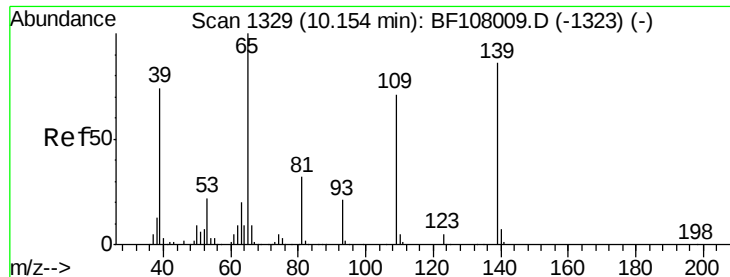
#54  
Dibenzofuran  
Concen: 33.409 ng  
RT: 10.25 min Scan# 1346  
Delta R.T. -0.01 min  
Lab File: BF108426.D  
Acq: 23 Aug 2018 17:49

Tgt Ion:168 Resp: 773447  
Ion Ratio Lower Upper  
168 100  
139 39.3 30.1 45.1  
169 14.2 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

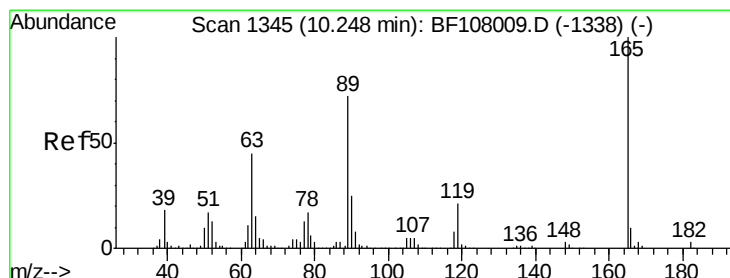
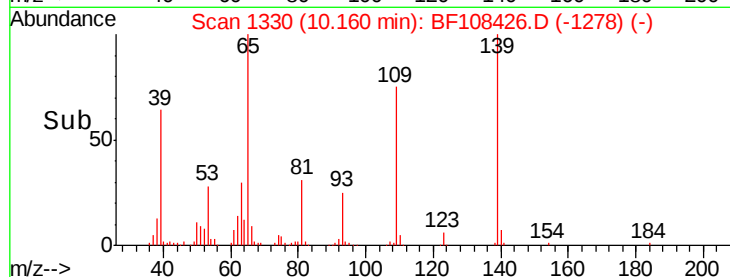
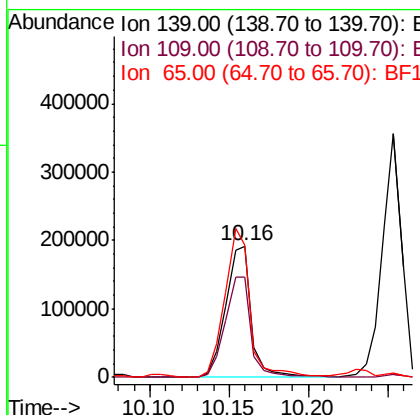
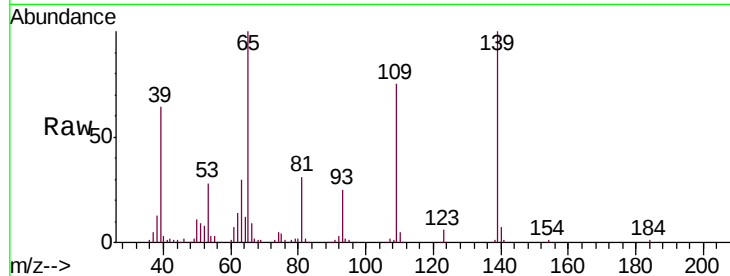




#55  
4-Nitrophenol  
Concen: 63.150 ng  
RT: 10.16 min Scan# 1330  
Delta R.T. 0.01 min  
Lab File: BF108426.D  
Acq: 23 Aug 2018 17:49

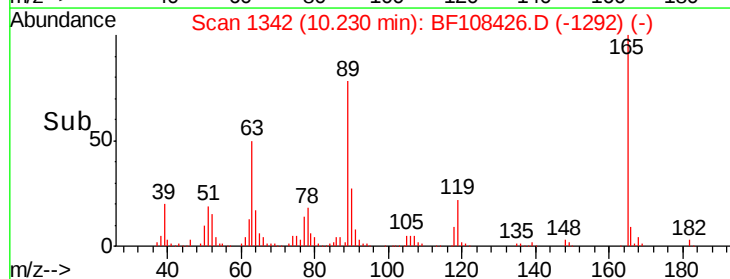
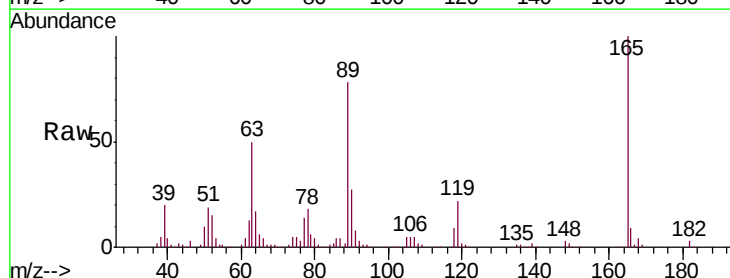
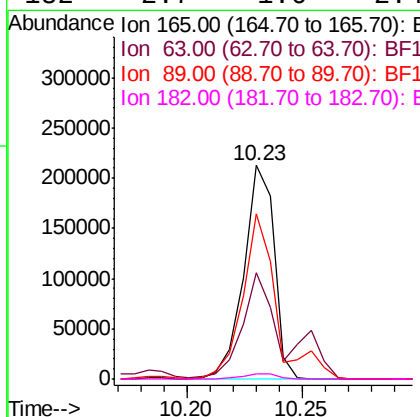
Instrument :  
BNA\_F  
ClientSampleId :  
RA-081618-FL-036MSD

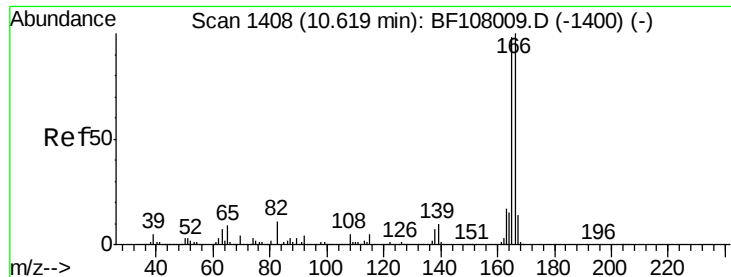
Tgt Ion:139 Resp: 215943  
Ion Ratio Lower Upper  
139 100  
109 75.8 48.4 88.4  
65 100.5 72.6 112.6



#56  
2,4-Dinitrotoluene  
Concen: 36.955 ng  
RT: 10.23 min Scan# 1342  
Delta R.T. -0.01 min  
Lab File: BF108426.D  
Acq: 23 Aug 2018 17:49

Tgt Ion:165 Resp: 196327  
Ion Ratio Lower Upper  
165 100  
63 49.9 36.4 54.6  
89 77.6 57.8 86.6  
182 2.7 1.6 2.4#

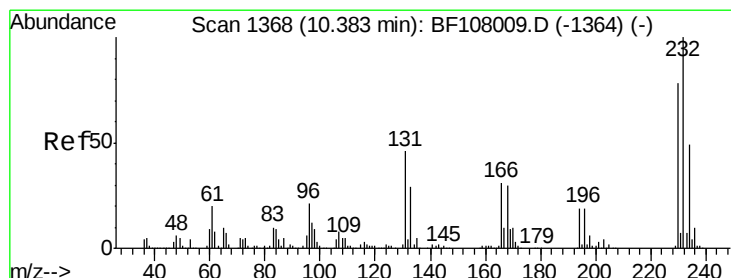
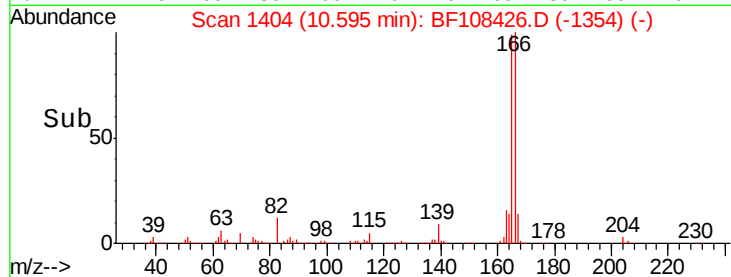
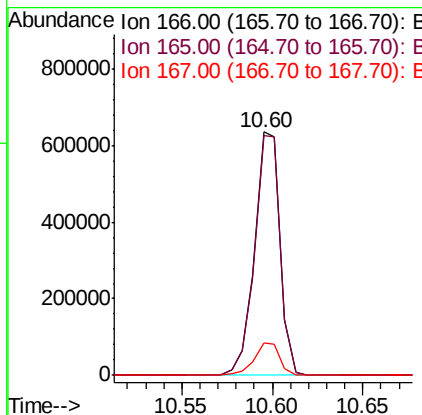
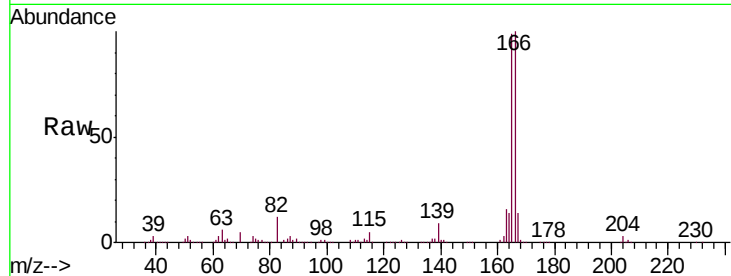




#57  
 Fluorene  
 Concen: 33.777 ng  
 RT: 10.60 min Scan# 1404  
 Delta R.T. -0.01 min  
 Lab File: BF108426.D  
 Acq: 23 Aug 2018 17:49

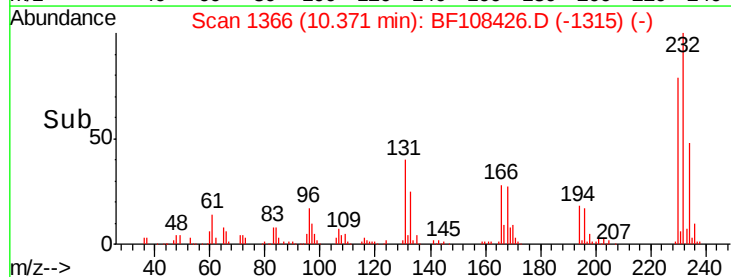
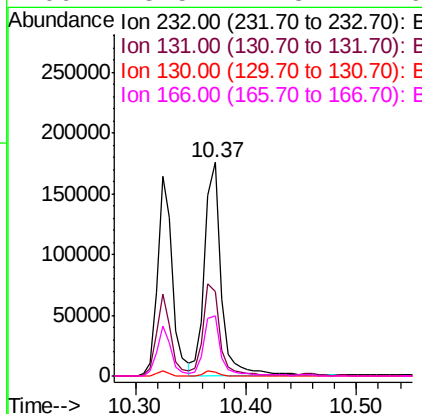
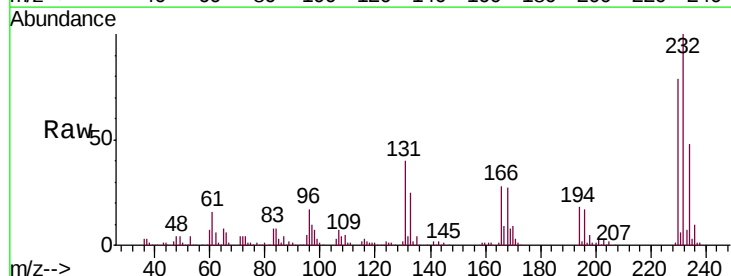
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081618-FL-036MSD

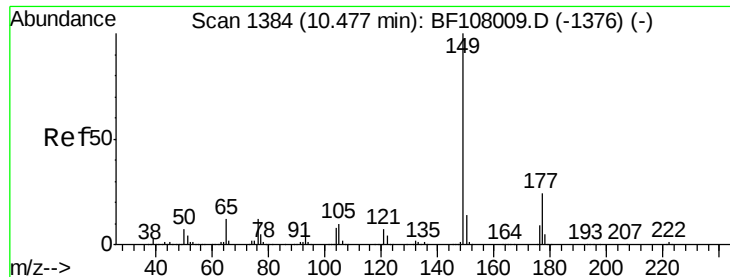
Tgt Ion:166 Resp: 619025  
 Ion Ratio Lower Upper  
 166 100  
 165 98.7 79.8 119.8  
 167 13.5 10.6 16.0



#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 35.656 ng  
 RT: 10.37 min Scan# 1366  
 Delta R.T. -0.00 min  
 Lab File: BF108426.D  
 Acq: 23 Aug 2018 17:49

Tgt Ion:232 Resp: 177048  
 Ion Ratio Lower Upper  
 232 100  
 131 44.2 43.8 65.8  
 130 2.1 2.1 3.1  
 166 28.5 27.8 41.6

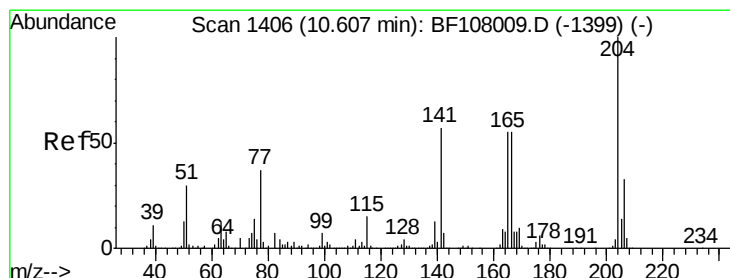
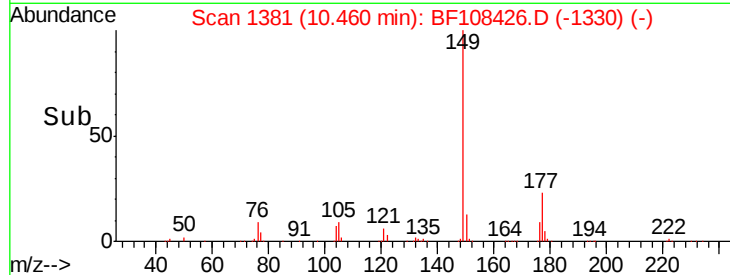
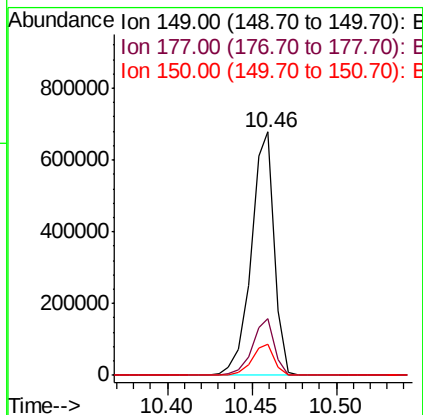
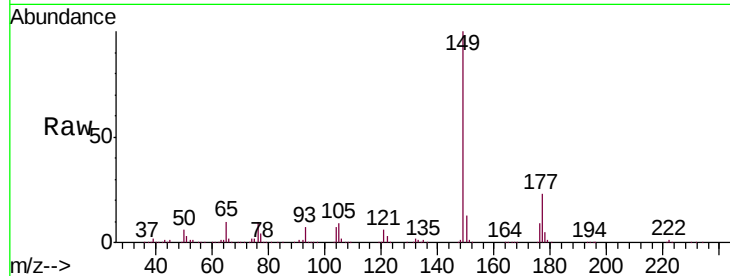




#59  
Diethylphthalate  
Concen: 33.888 ng  
RT: 10.46 min Scan# 1381  
Delta R.T. -0.00 min  
Lab File: BF108426.D  
Acq: 23 Aug 2018 17:49

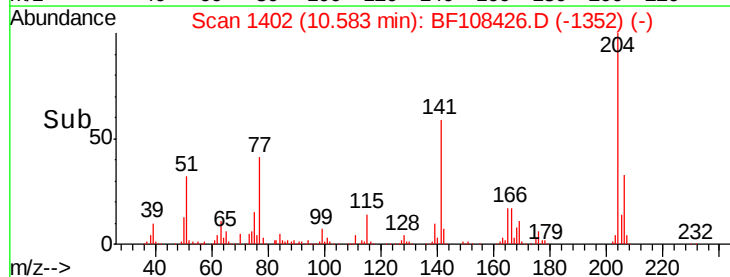
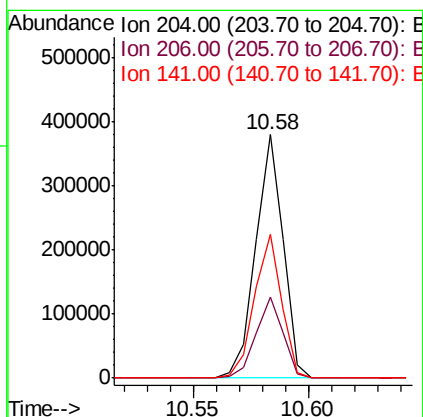
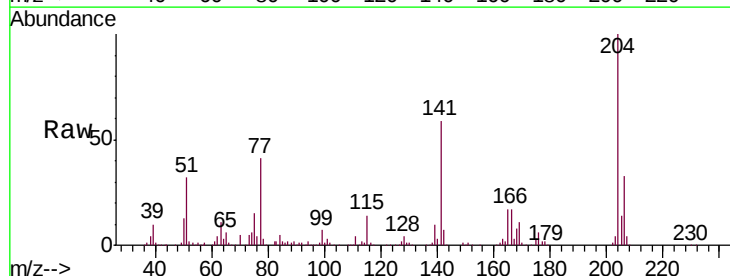
Instrument :  
BNA\_F  
ClientSampleId :  
RA-081618-FL-036MSD

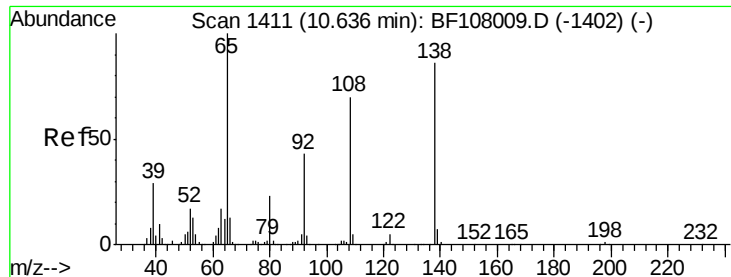
Tgt Ion:149 Resp: 647331  
Ion Ratio Lower Upper  
149 100  
177 23.2 16.1 24.1  
150 12.8 10.1 15.1



#60  
4-Chlorophenyl-phenylether  
Concen: 33.147 ng  
RT: 10.58 min Scan# 1402  
Delta R.T. -0.01 min  
Lab File: BF108426.D  
Acq: 23 Aug 2018 17:49

Tgt Ion:204 Resp: 316541  
Ion Ratio Lower Upper  
204 100  
206 33.4 26.5 39.7  
141 59.2 54.6 81.8

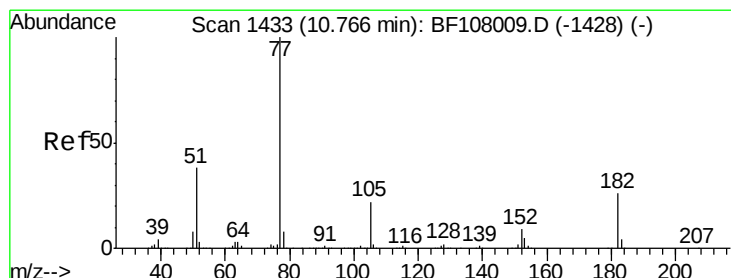
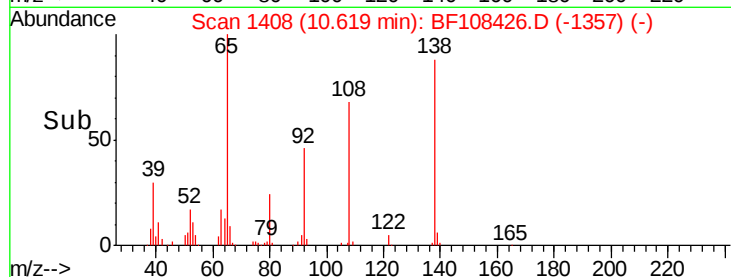
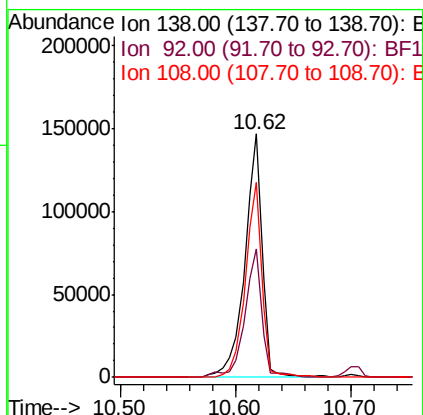
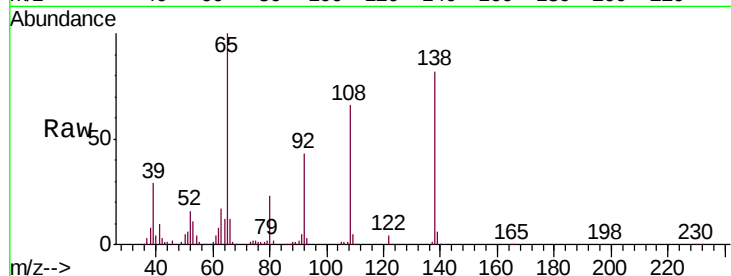




#61  
4-Nitroaniline  
Concen: 34.388 ng  
RT: 10.62 min Scan# 1408  
Delta R.T. -0.00 min  
Lab File: BF108426.D  
Acq: 23 Aug 2018 17:49

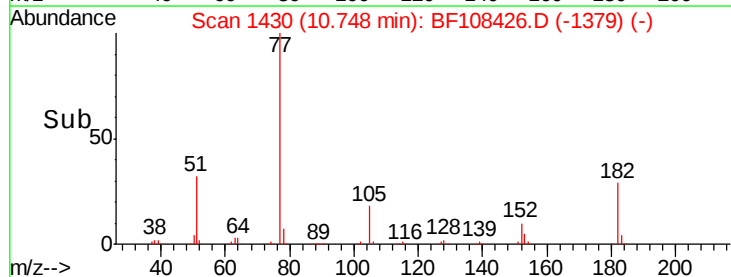
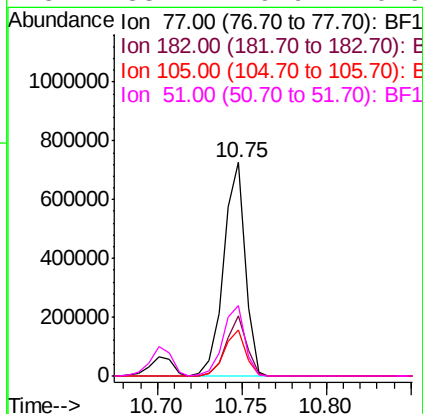
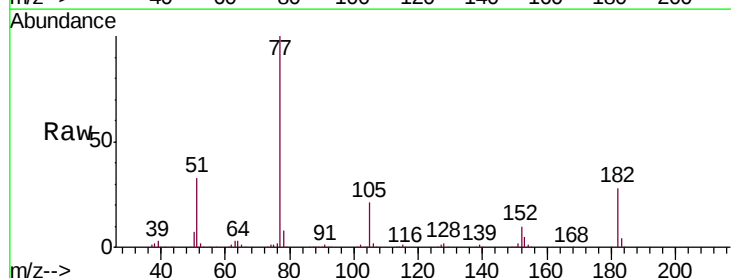
Instrument :  
BNA\_F  
ClientSampleId :  
RA-081618-FL-036MSD

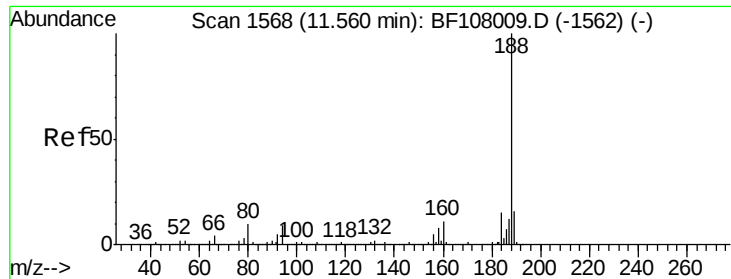
Tgt Ion: 138 Resp: 153527  
Ion Ratio Lower Upper  
138 100  
92 52.8 30.2 70.2  
108 80.2 52.5 92.5



#62  
Azobenzene  
Concen: 32.634 ng  
RT: 10.75 min Scan# 1430  
Delta R.T. -0.00 min  
Lab File: BF108426.D  
Acq: 23 Aug 2018 17:49

Tgt Ion: 77 Resp: 643793  
Ion Ratio Lower Upper  
77 100  
182 28.1 1.7 41.7  
105 21.5 3.0 43.0  
51 33.1 9.9 49.9





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.54 min Scan# 1565

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Instrument :

BNA\_F

ClientSampleId :

RA-081618-FL-036MSD

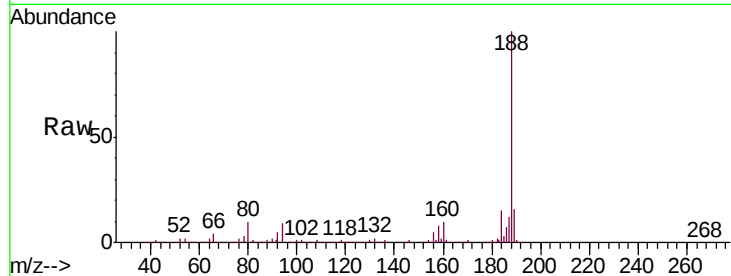
Tgt Ion:188 Resp: 568469

Ion Ratio Lower Upper

188 100

94 8.5 8.5 12.7

80 9.7 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

800000

600000

400000

200000

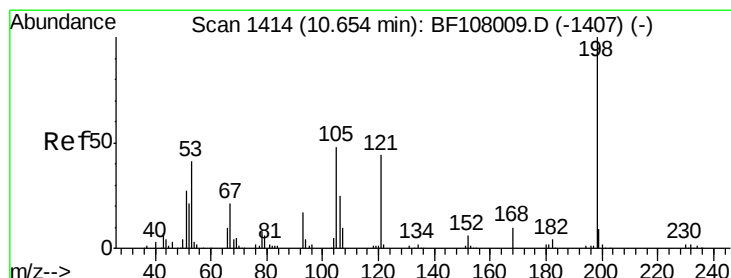
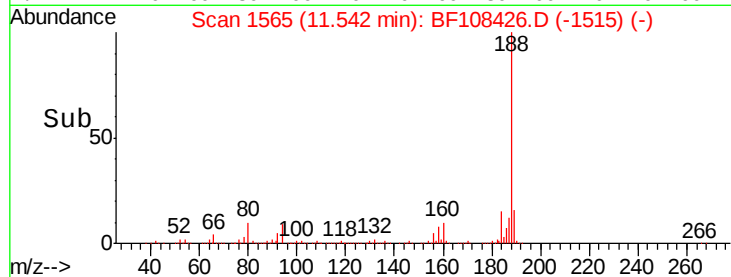
0

11.54

11.55

11.60

Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 35.060 ng

RT: 10.64 min Scan# 1412

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

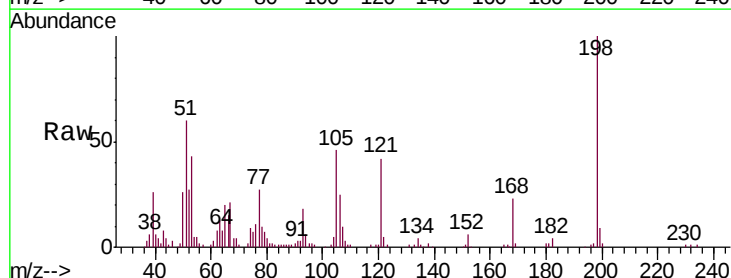
Tgt Ion:198 Resp: 71357

Ion Ratio Lower Upper

198 100

51 59.7 37.7 77.7

105 46.0 36.3 76.3



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

300000

250000

200000

150000

100000

50000

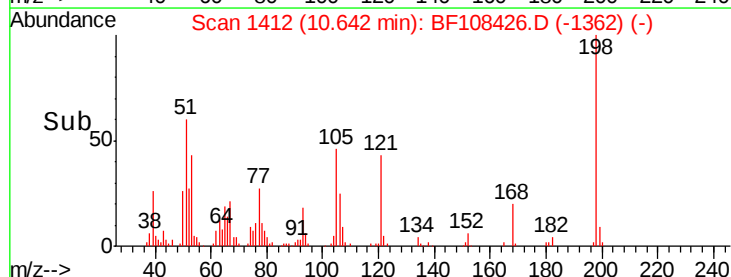
0

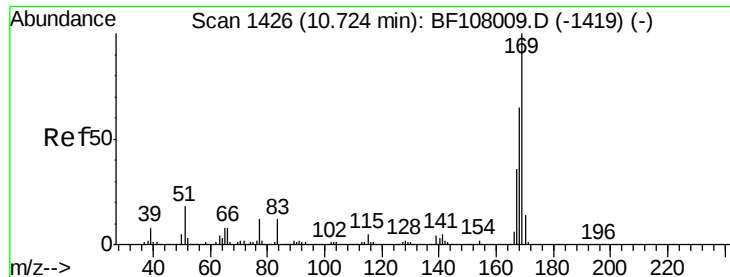
10.64

10.65

10.70

Time-->

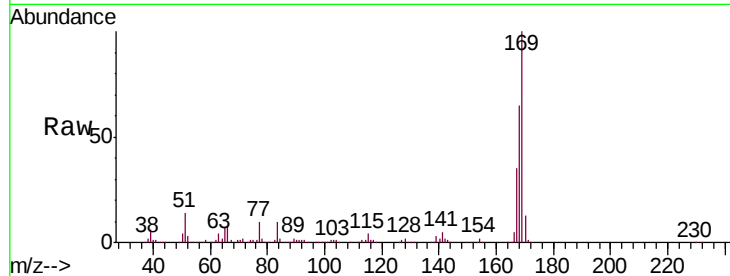




#65  
 n-Nitrosodiphenylamine  
 Concen: 33.545 ng  
 RT: 10.71 min Scan# 1423  
 Delta R.T. -0.00 min  
 Lab File: BF108426.D  
 Acq: 23 Aug 2018 17:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081618-FL-036MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 64.5  | 54.4  | 81.6  |
| 167     | 35.3  | 29.8  | 44.6  |

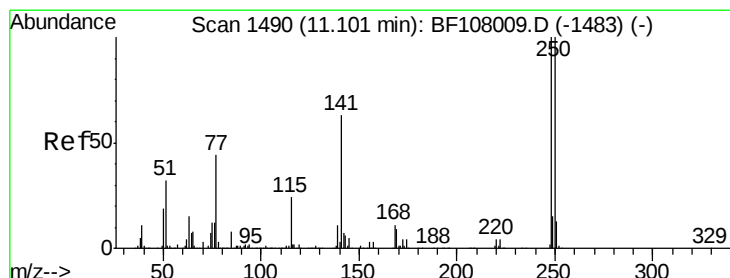
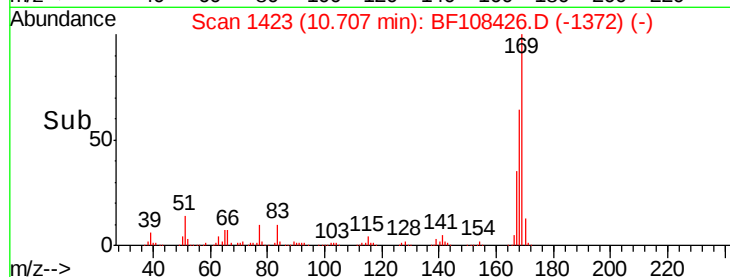
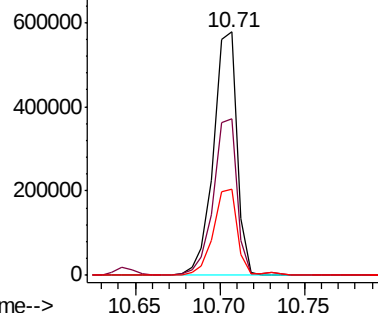


Abundance

Ion 169.00 (168.70 to 169.70): E

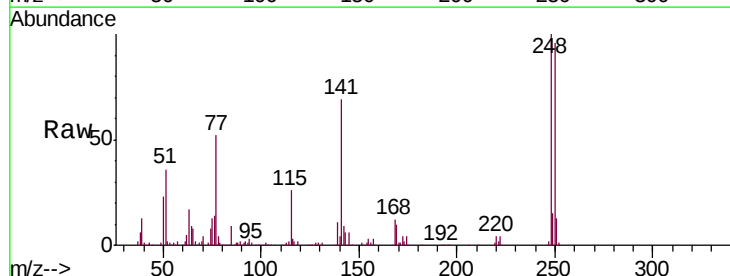
Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66  
 4-Bromophenyl-phenylether  
 Concen: 33.403 ng  
 RT: 11.08 min Scan# 1486  
 Delta R.T. -0.01 min  
 Lab File: BF108426.D  
 Acq: 23 Aug 2018 17:49

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 248     | 100   |       |        |
| 250     | 95.9  | 76.9  | 115.3  |
| 141     | 68.7  | 74.4  | 111.6# |

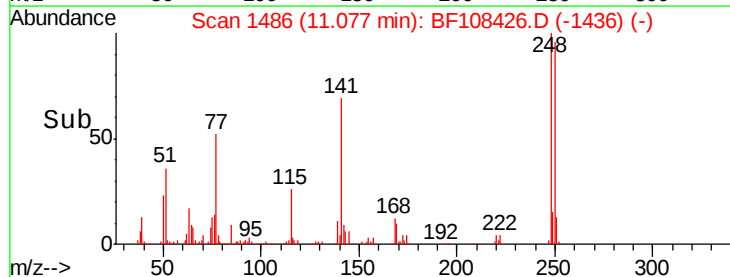
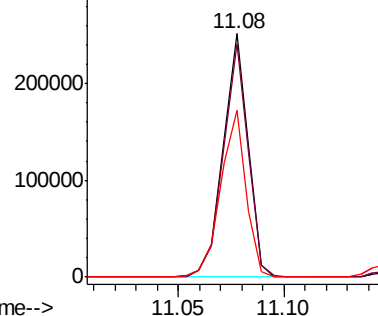


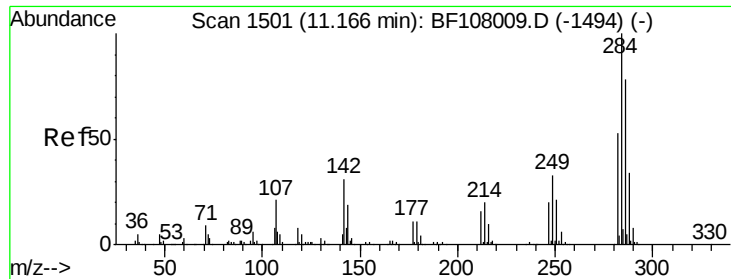
Abundance

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





#67

Hexachlorobenzene

Concen: 33.090 ng

RT: 11.15 min Scan# 1498

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Instrument :

BNA\_F

ClientSampleId :

RA-081618-FL-036MSD

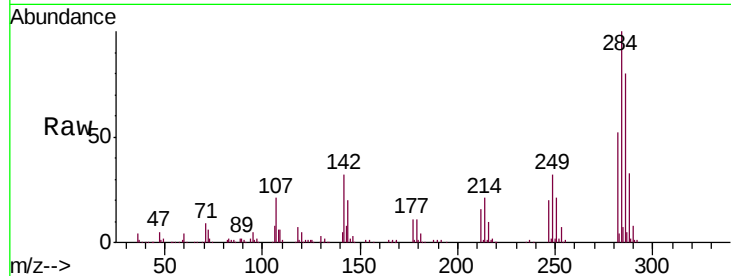
Tgt Ion:284 Resp: 215086

Ion Ratio Lower Upper

284 100

142 31.8 34.6 52.0#

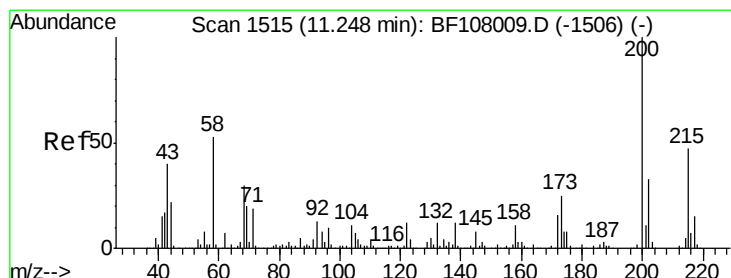
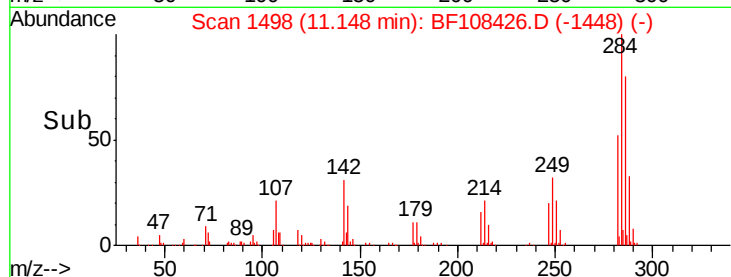
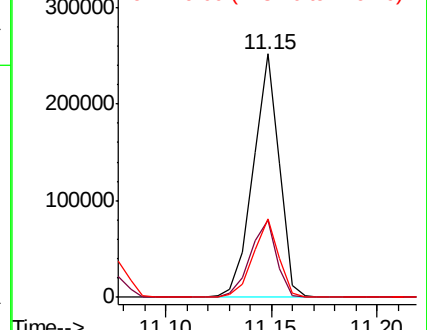
249 32.5 24.8 37.2



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



#68

Atrazine

Concen: 33.999 ng

RT: 11.23 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

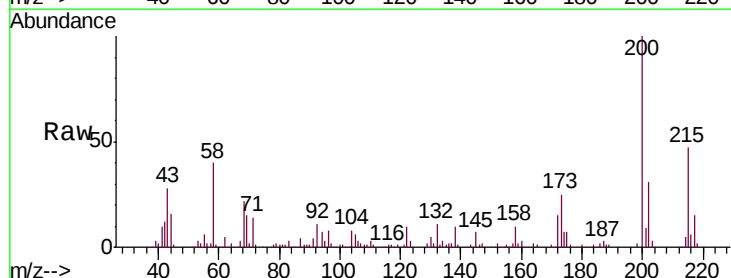
Tgt Ion:200 Resp: 191563

Ion Ratio Lower Upper

200 100

173 24.7 8.6 48.6

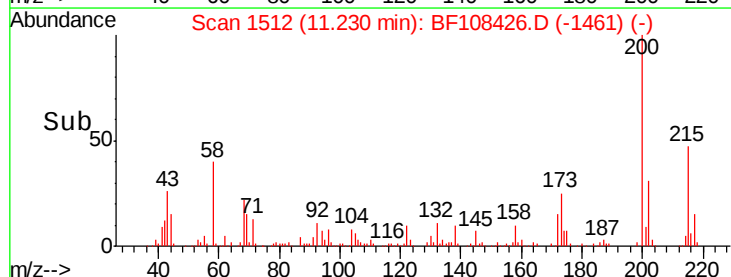
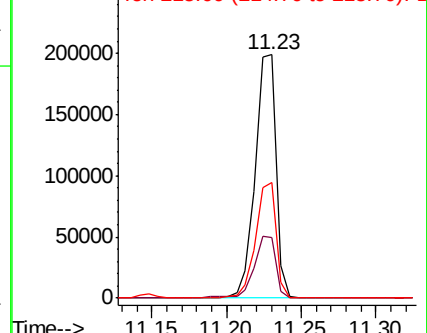
215 47.4 25.1 65.1



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

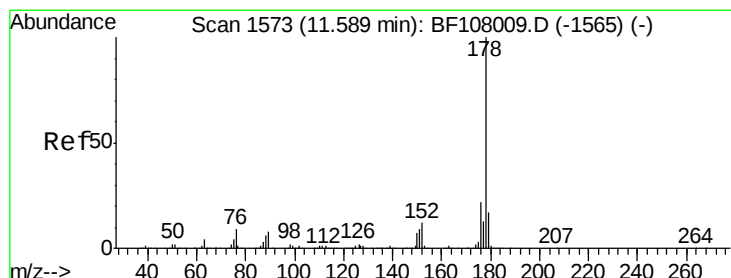
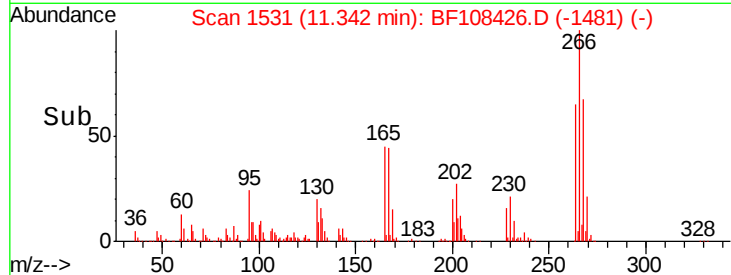
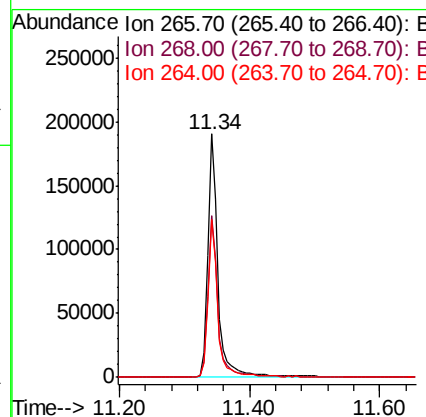
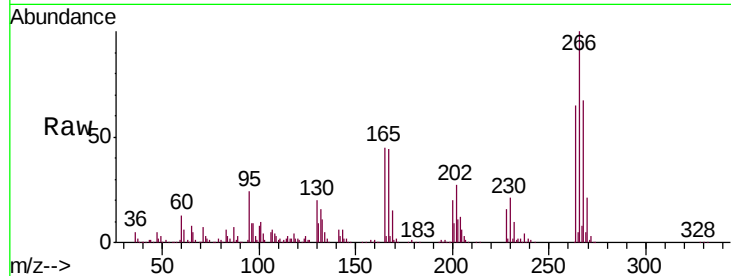




#69  
 Pentachlorophenol  
 Concen: 66.503 ng  
 RT: 11.34 min Scan# 1531  
 Delta R.T. -0.01 min  
 Lab File: BF108426.D  
 Acq: 23 Aug 2018 17:49

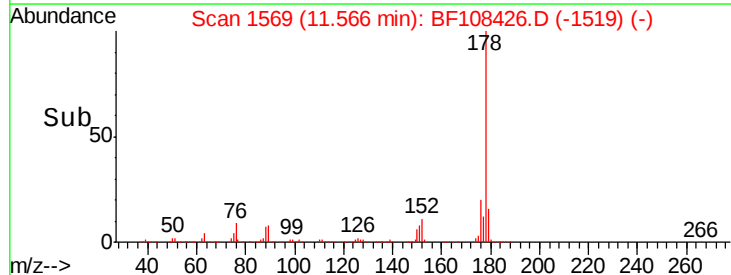
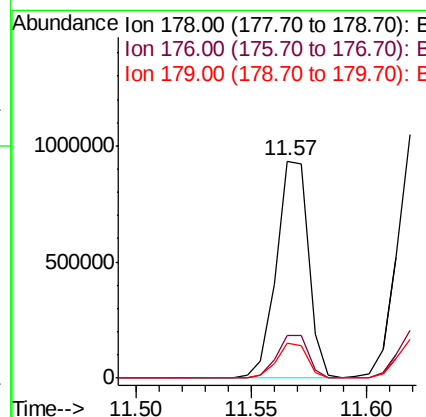
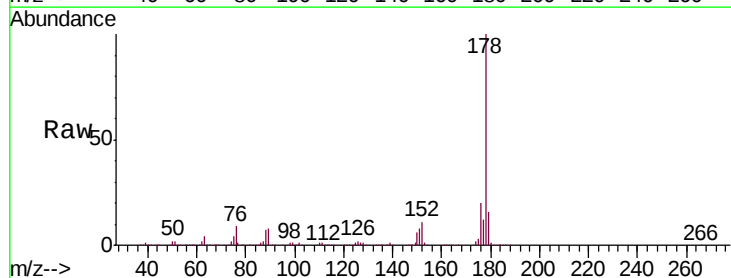
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081618-FL-036MSD

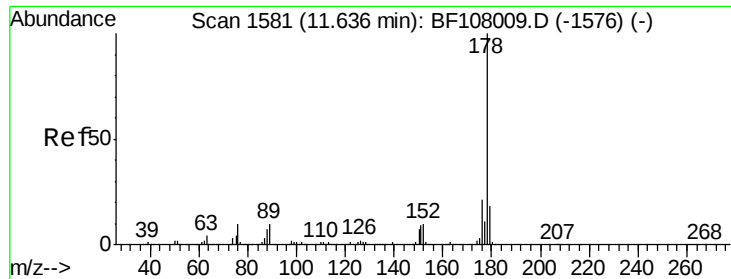
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 66.6  | 51.1  | 76.7  |
| 264     | 64.7  | 49.5  | 74.3  |



#70  
 Phenanthrene  
 Concen: 33.607 ng  
 RT: 11.57 min Scan# 1569  
 Delta R.T. -0.01 min  
 Lab File: BF108426.D  
 Acq: 23 Aug 2018 17:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.9  | 15.8  | 23.8  |
| 179     | 16.1  | 13.0  | 19.6  |

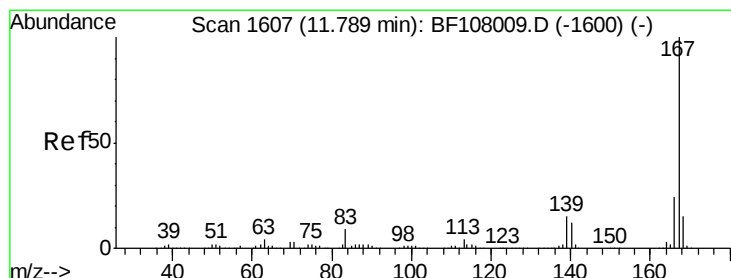
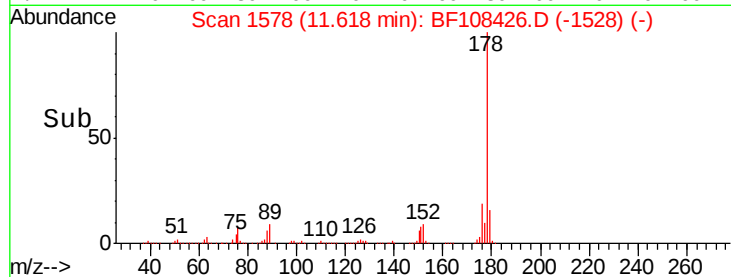
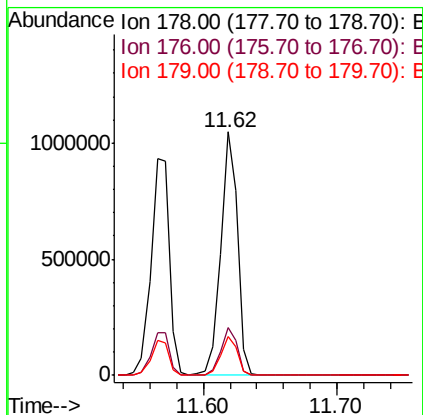
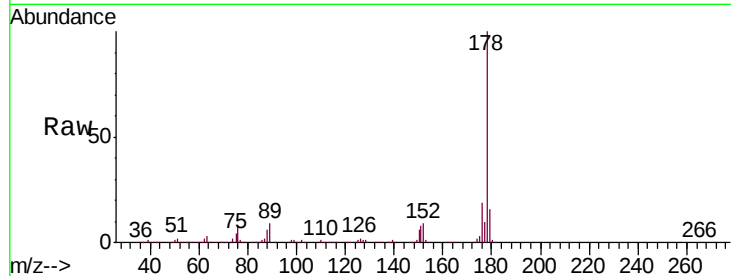




#71  
 Anthracene  
 Concen: 33.920 ng  
 RT: 11.62 min Scan# 1578  
 Delta R.T. -0.01 min  
 Lab File: BF108426.D  
 Acq: 23 Aug 2018 17:49

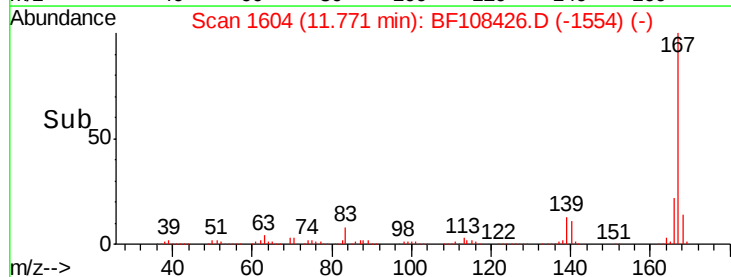
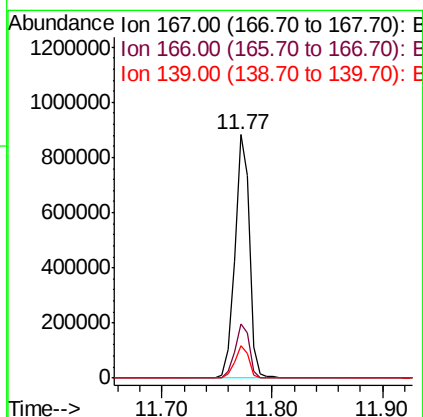
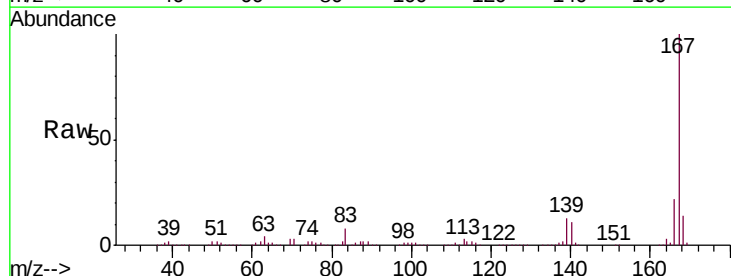
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081618-FL-036MSD

Tgt Ion:178 Resp: 932162  
 Ion Ratio Lower Upper  
 178 100  
 176 19.4 15.4 23.2  
 179 16.0 12.6 19.0



#72  
 Carbazole  
 Concen: 33.408 ng  
 RT: 11.77 min Scan# 1604  
 Delta R.T. -0.01 min  
 Lab File: BF108426.D  
 Acq: 23 Aug 2018 17:49

Tgt Ion:167 Resp: 815687  
 Ion Ratio Lower Upper  
 167 100  
 166 22.2 17.6 26.4  
 139 13.4 10.9 16.3





#73

Di-n-butylphthalate

Concen: 35.667 ng

RT: 12.09 min Scan# 1658

Delta R.T. -0.00 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

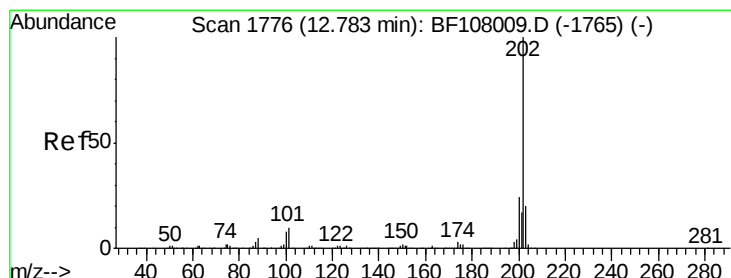
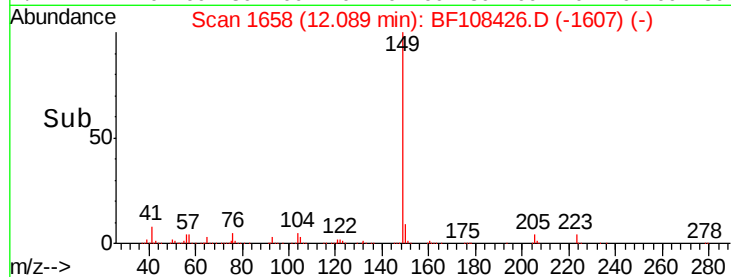
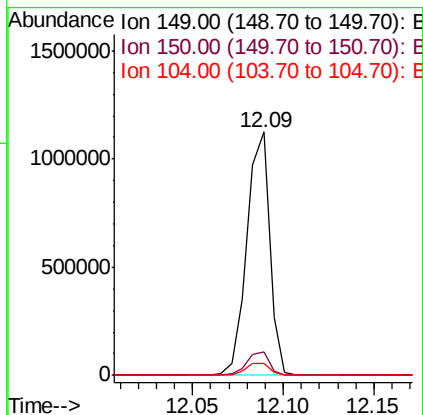
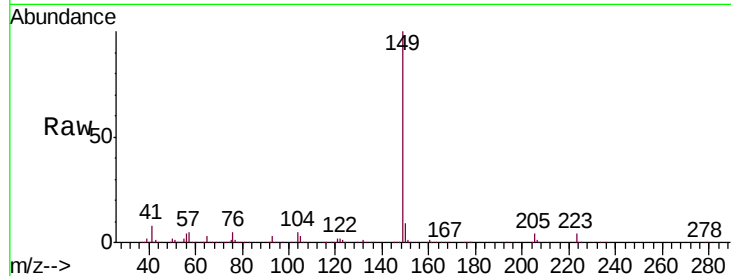
Instrument :

BNA\_F

ClientSampleId :

RA-081618-FL-036MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 149   | Resp: | 986411 |
| Ion      | Ratio | Lower | Upper  |
| 149      | 100   |       |        |
| 150      | 9.4   | 7.8   | 11.6   |
| 104      | 5.1   | 3.8   | 5.8    |



#74

Fluoranthene

Concen: 33.158 ng

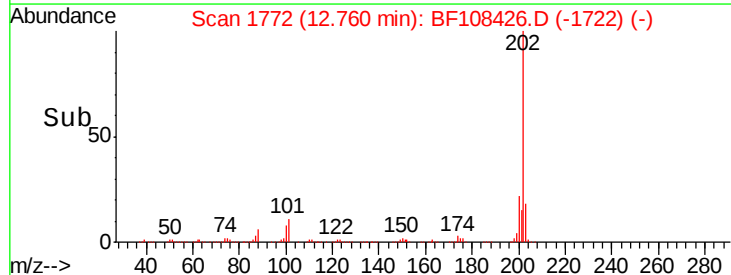
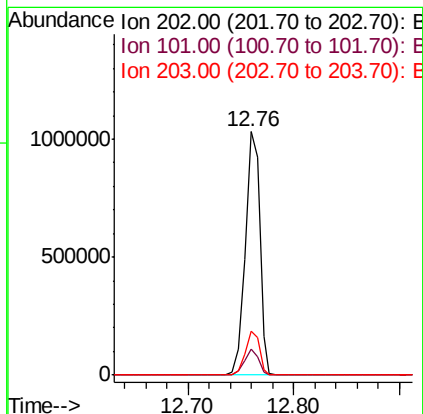
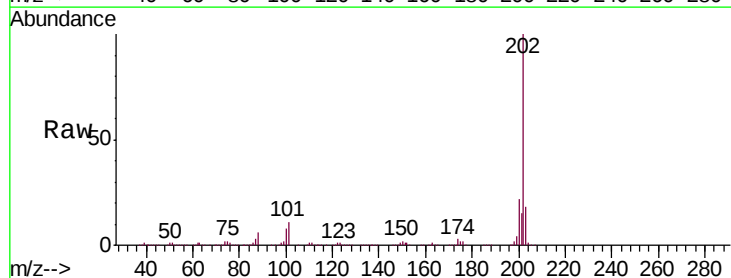
RT: 12.76 min Scan# 1772

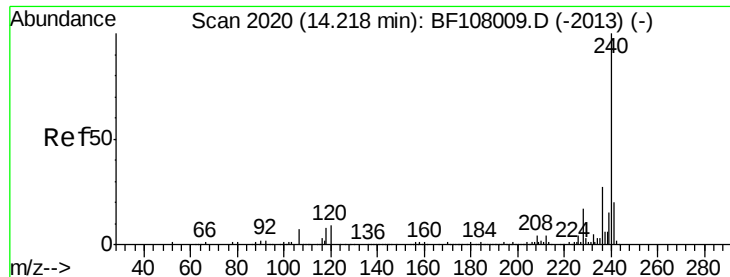
Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 202   | Resp: | 970284 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 101      | 10.8  | 0.0   | 34.1   |
| 203      | 18.1  | 0.0   | 38.1   |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Instrument :

BNA\_F

ClientSampleId :

RA-081618-FL-036MSD

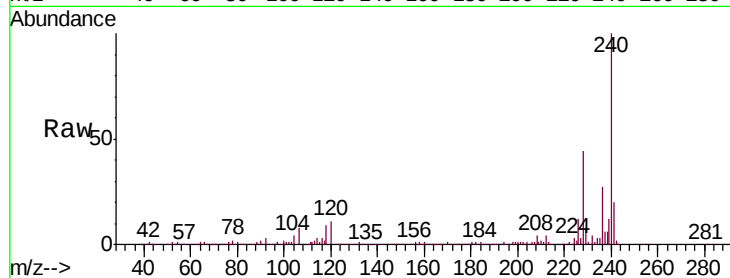
Tgt Ion:240 Resp: 416826

Ion Ratio Lower Upper

240 100

120 10.6 9.5 14.3

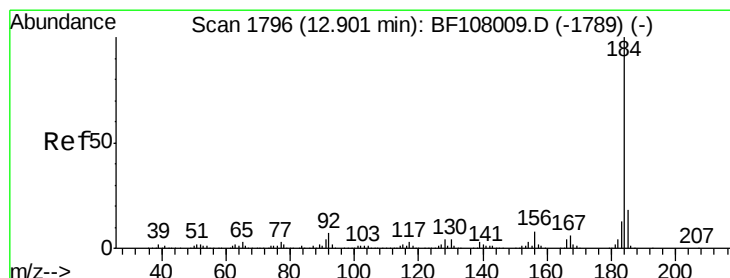
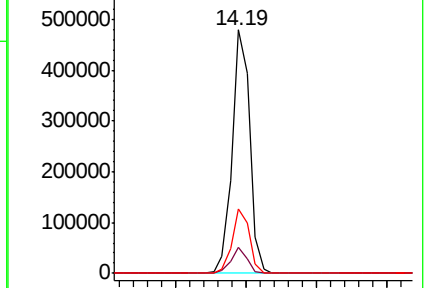
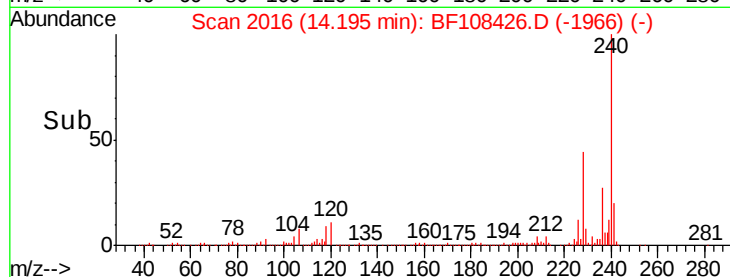
236 26.6 20.7 31.1



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



#76

Benzidine

Concen: 22.357 ng

RT: 12.88 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

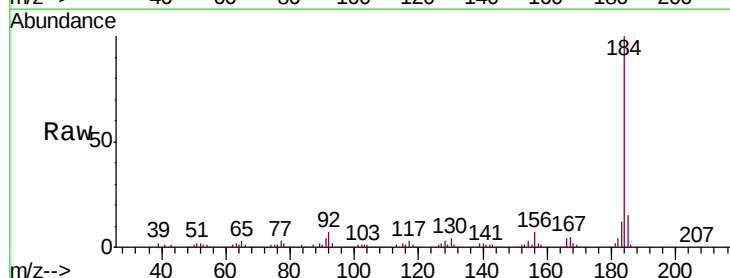
Tgt Ion:184 Resp: 348178

Ion Ratio Lower Upper

184 100

185 14.6 12.6 18.8

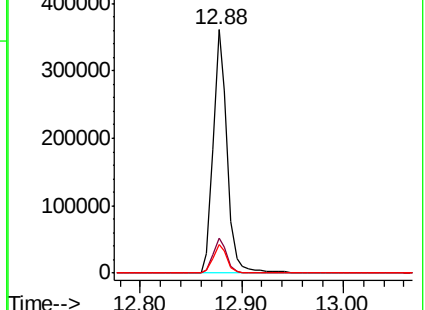
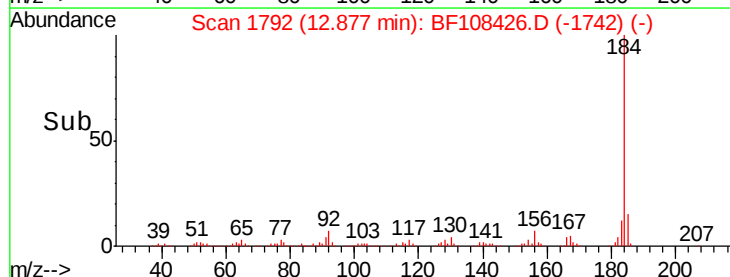
183 11.6 9.3 13.9



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





#77

Pyrene

Concen: 36.102 ng

RT: 12.99 min Scan# 1812

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Instrument :

BNA\_F

ClientSampleId :

RA-081618-FL-036MSD

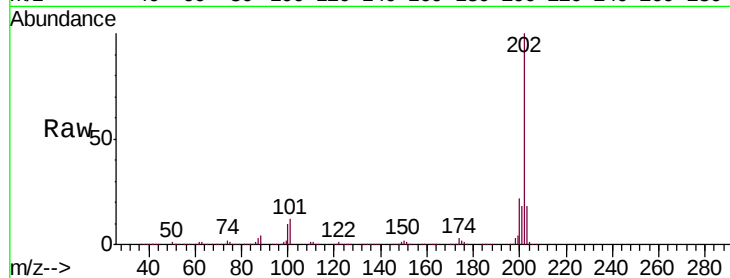
Tgt Ion:202 Resp: 952699

Ion Ratio Lower Upper

202 100

200 22.3 17.4 26.2

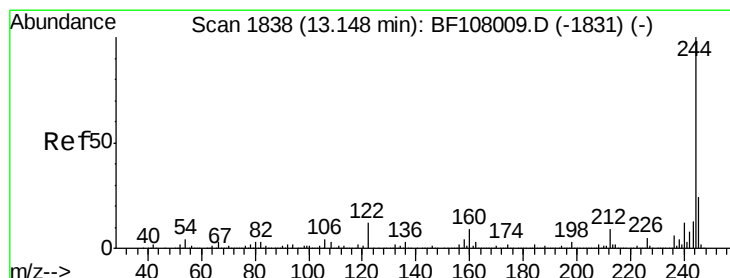
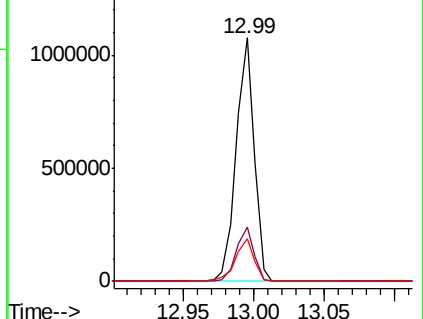
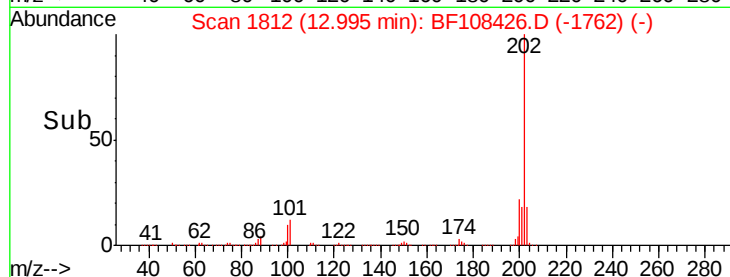
203 17.8 14.3 21.5



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



#78

Terphenyl-d14

Concen: 78.231 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

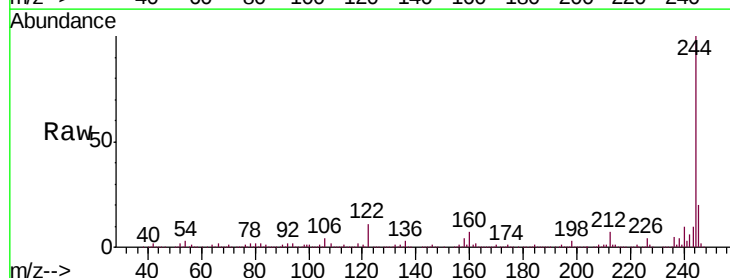
Tgt Ion:244 Resp: 1282516

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

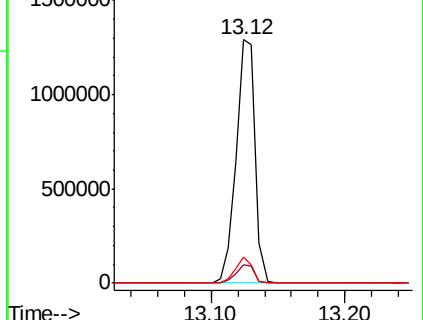
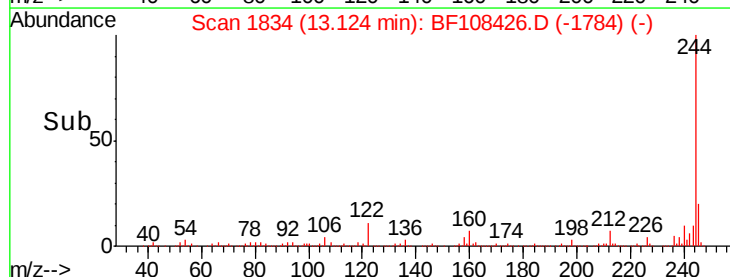
122 10.9 11.0 16.4#

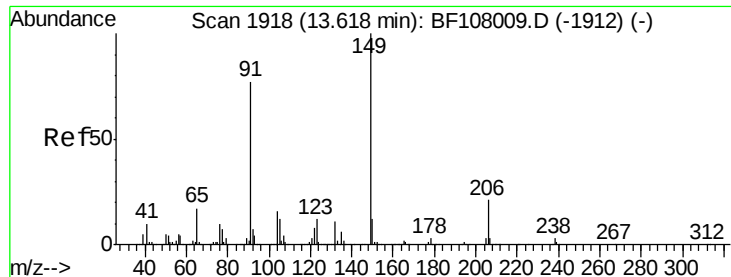


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

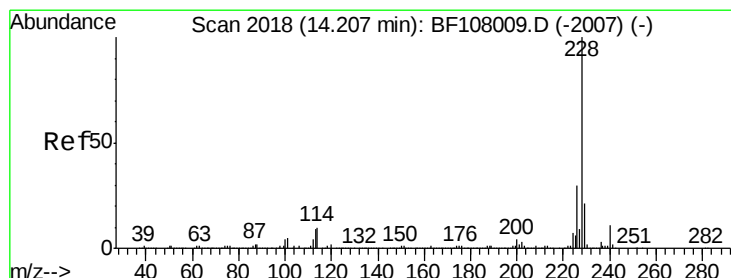
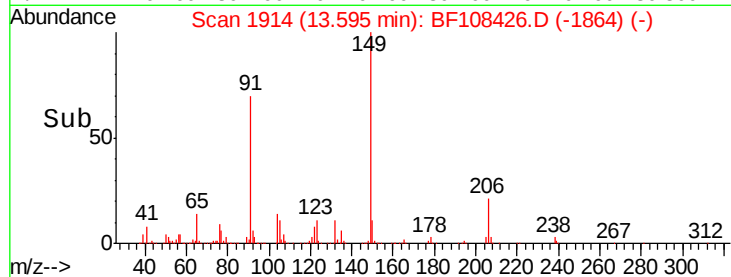
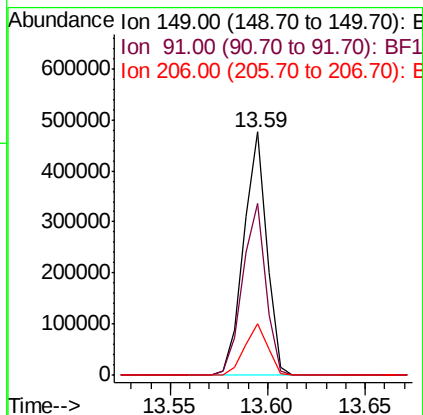
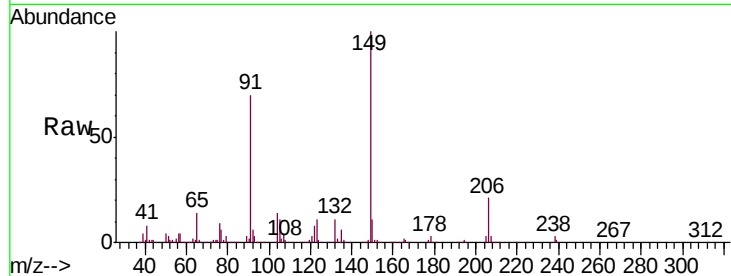




#79  
Butylbenzylphthalate  
Concen: 37.201 ng  
RT: 13.59 min Scan# 1914  
Delta R.T. -0.01 min  
Lab File: BF108426.D  
Acq: 23 Aug 2018 17:49

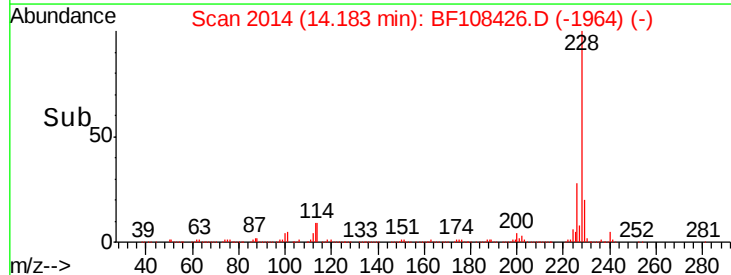
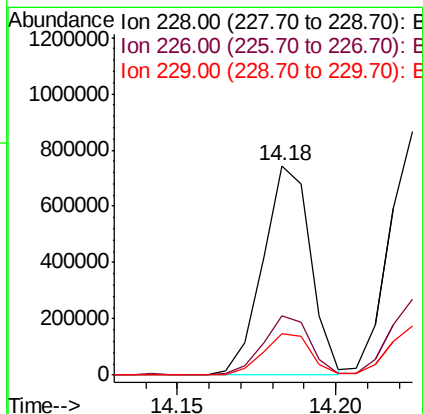
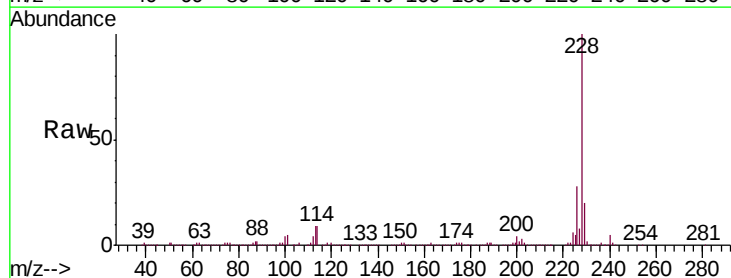
Instrument :  
BNA\_F  
ClientSampleId :  
RA-081618-FL-036MSD

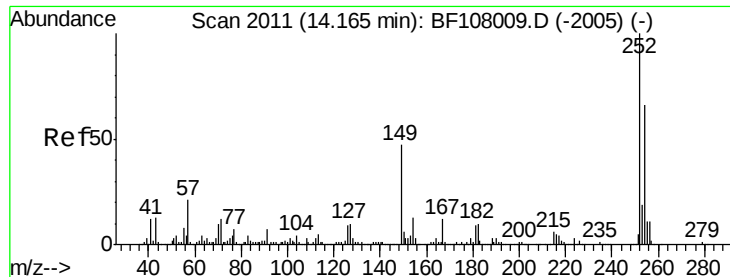
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 70.4  | 56.8  | 85.2  |
| 206     | 21.3  | 14.1  | 21.1# |



#80  
Benzo(a)anthracene  
Concen: 32.504 ng  
RT: 14.18 min Scan# 2014  
Delta R.T. -0.01 min  
Lab File: BF108426.D  
Acq: 23 Aug 2018 17:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.3  | 22.6  | 33.8  |
| 229     | 20.0  | 15.8  | 23.6  |

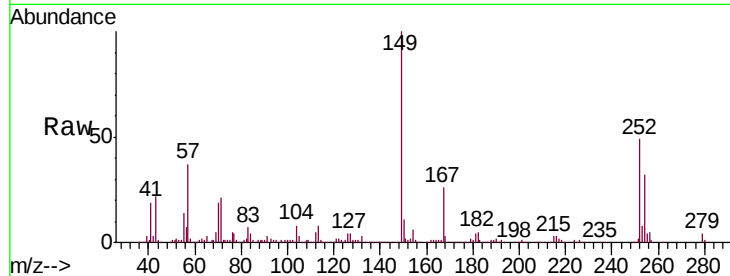




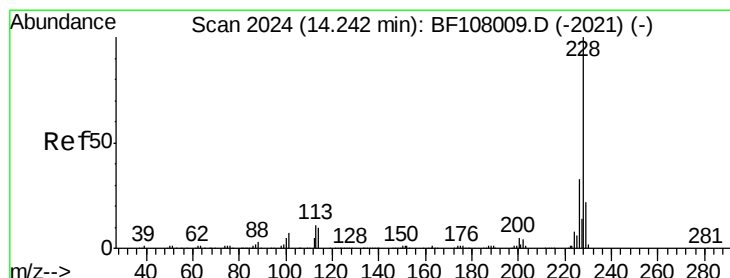
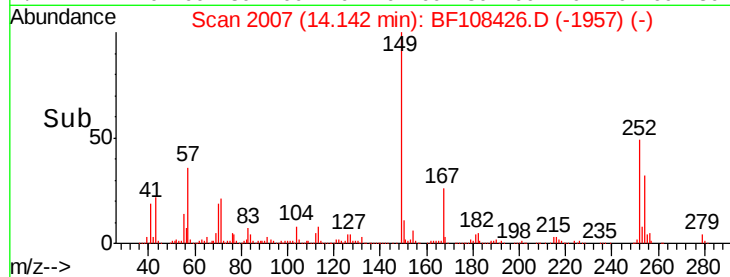
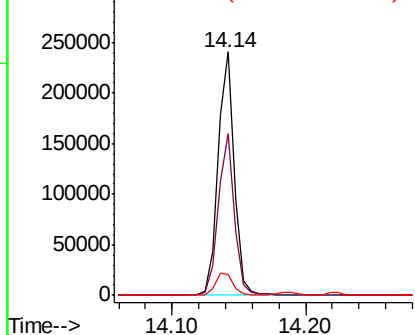
#81  
 3,3'-Dichlorobenzidine  
 Concen: 24.263 ng  
 RT: 14.14 min Scan# 2007  
 Delta R.T. -0.01 min  
 Lab File: BF108426.D  
 Acq: 23 Aug 2018 17:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081618-FL-036MSD

Tgt Ion: 252 Resp: 208000  
 Ion Ratio Lower Upper  
 252 100  
 254 66.2 50.4 75.6  
 126 8.7 11.3 16.9#

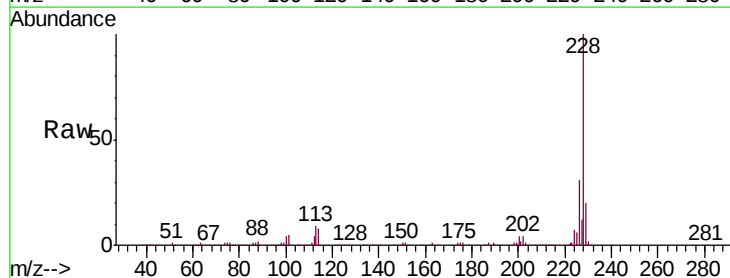


Abundance Ion 252.00 (251.70 to 252.70): E  
 Ion 254.00 (253.70 to 254.70): E  
 Ion 126.00 (125.70 to 126.70): E

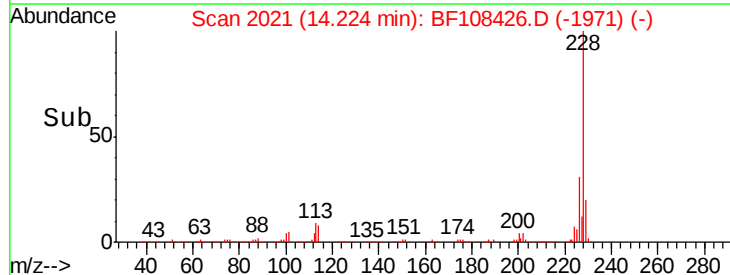
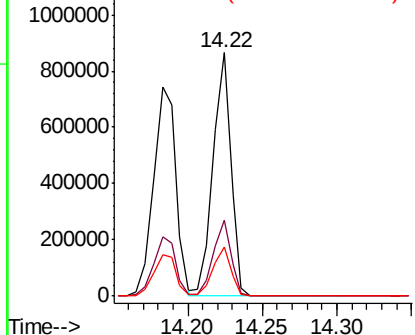


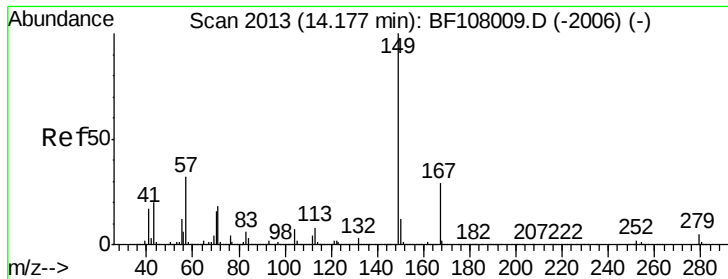
#82  
 Chrysene  
 Concen: 33.172 ng  
 RT: 14.22 min Scan# 2021  
 Delta R.T. -0.01 min  
 Lab File: BF108426.D  
 Acq: 23 Aug 2018 17:49

Tgt Ion: 228 Resp: 727492  
 Ion Ratio Lower Upper  
 228 100  
 226 31.1 25.0 37.6  
 229 20.1 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E  
 Ion 226.00 (225.70 to 226.70): E  
 Ion 229.00 (228.70 to 229.70): E

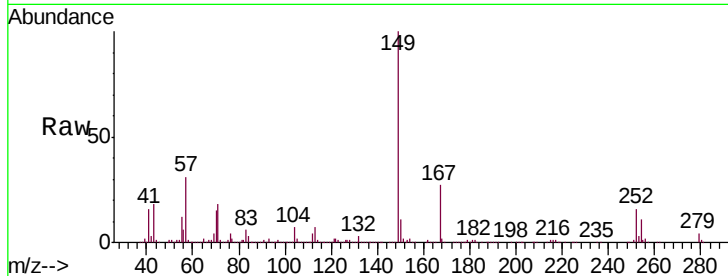




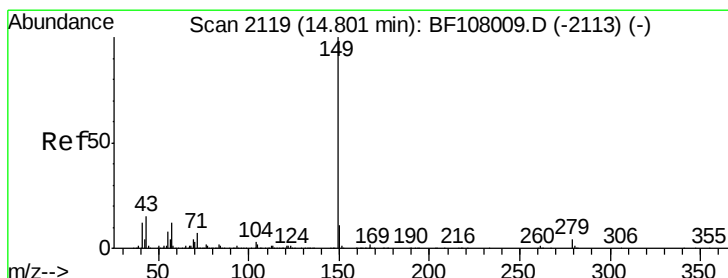
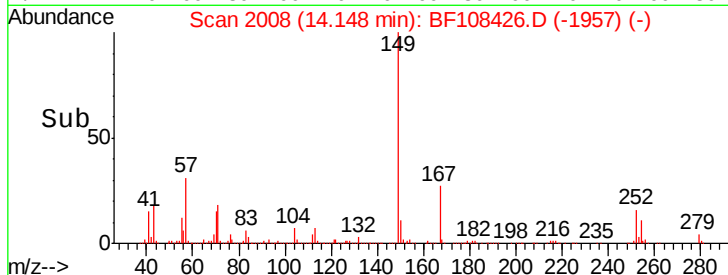
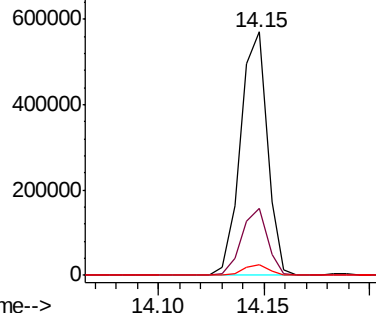
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 35.711 ng  
 RT: 14.15 min Scan# 2008  
 Delta R.T. -0.00 min  
 Lab File: BF108426.D  
 Acq: 23 Aug 2018 17:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081618-FL-036MSD

Tgt Ion:149 Resp: 506746  
 Ion Ratio Lower Upper  
 149 100  
 167 27.4 21.3 31.9  
 279 4.5 3.0 4.4#

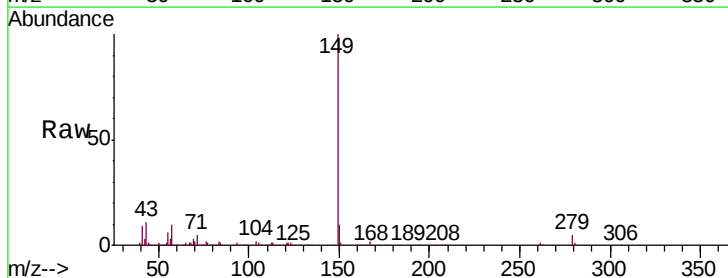


Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

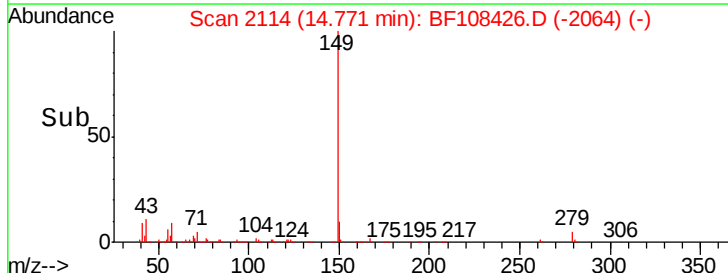
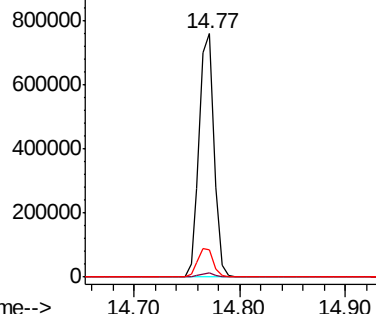


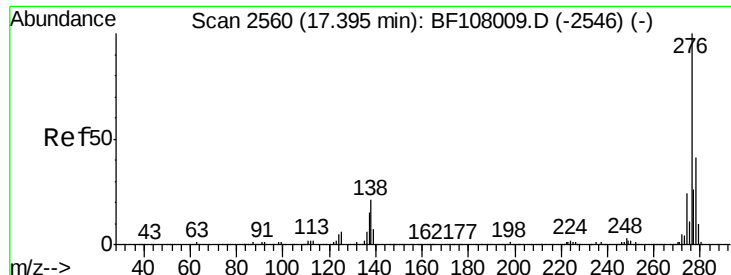
#84  
 Di-n-octyl phthalate  
 Concen: 34.404 ng  
 RT: 14.77 min Scan# 2114  
 Delta R.T. -0.01 min  
 Lab File: BF108426.D  
 Acq: 23 Aug 2018 17:49

Tgt Ion:149 Resp: 744560  
 Ion Ratio Lower Upper  
 149 100  
 167 1.6 1.2 1.8  
 43 11.6 8.4 12.6



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

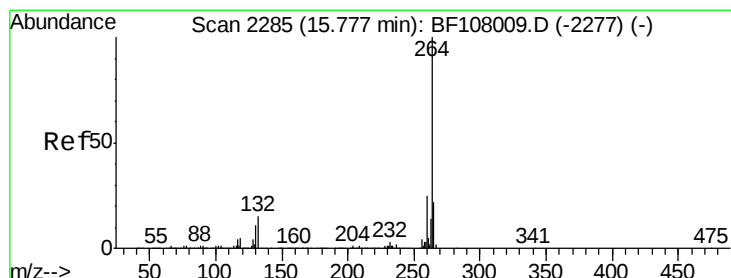
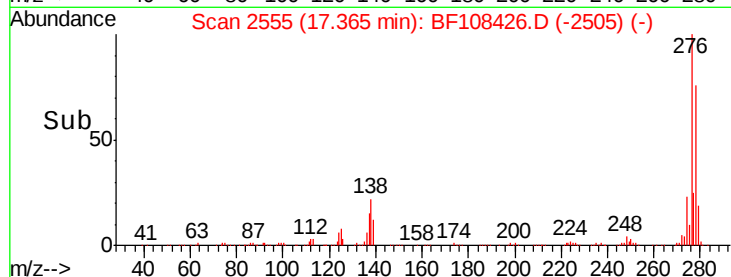
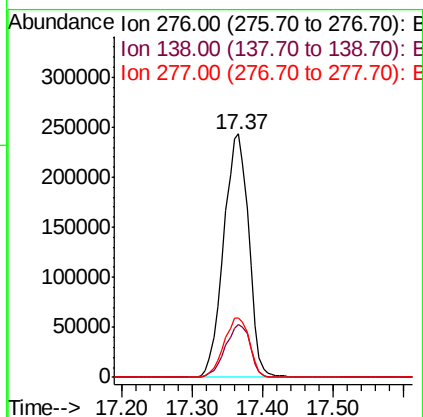
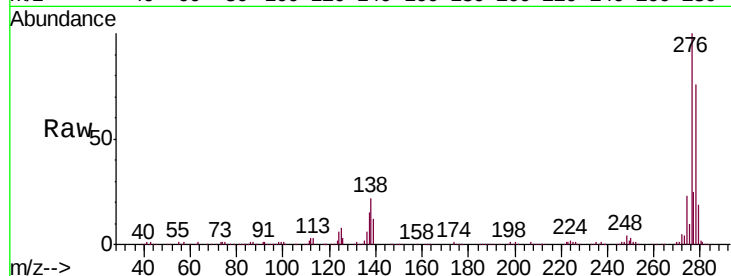




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 31.514 ng  
 RT: 17.37 min Scan# 2555  
 Delta R.T. -0.01 min  
 Lab File: BF108426.D  
 Acq: 23 Aug 2018 17:49

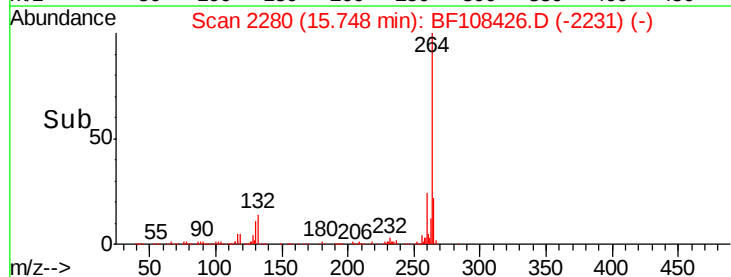
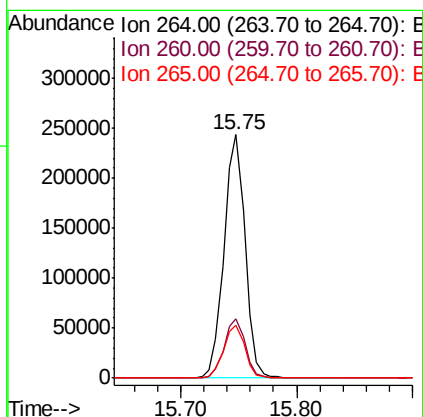
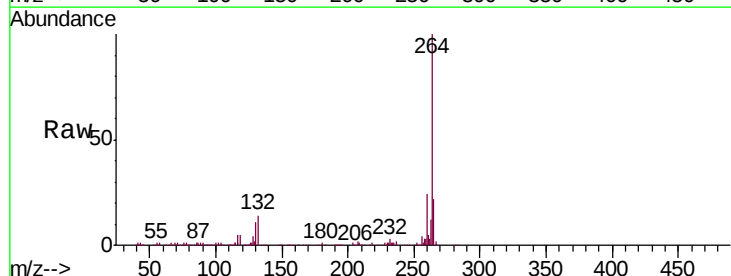
Instrument :  
 BNA\_F  
 ClientSampleId :  
 RA-081618-FL-036MSD

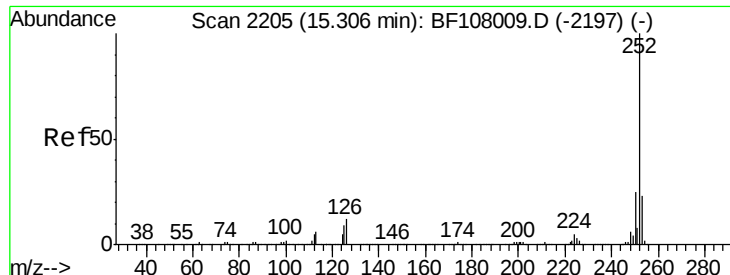
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 21.8  | 25.0  | 37.6# |
| 277     | 24.9  | 20.1  | 30.1  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.75 min Scan# 2280  
 Delta R.T. -0.01 min  
 Lab File: BF108426.D  
 Acq: 23 Aug 2018 17:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.4  | 19.2  | 28.8  |
| 265     | 21.8  | 17.5  | 26.3  |

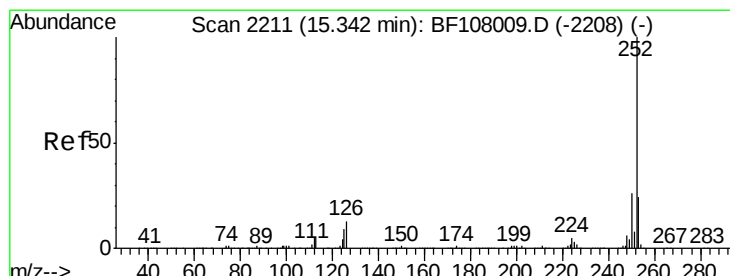
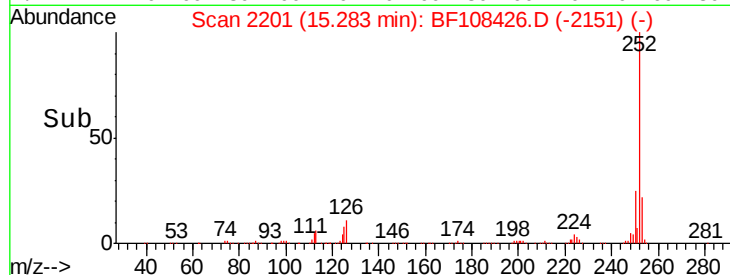
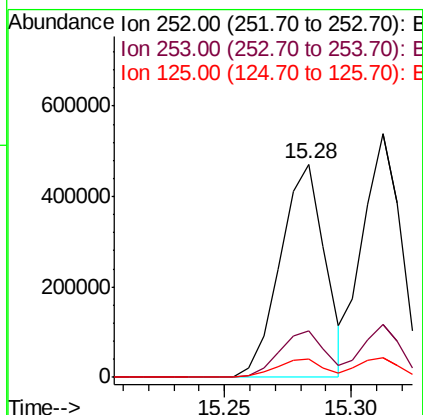
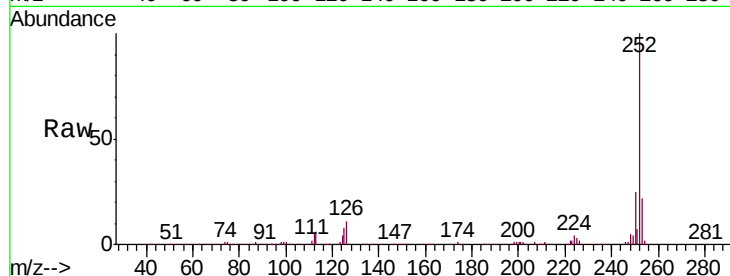




#87  
Benzo(b)fluoranthene  
Concen: 31.563 ng  
RT: 15.28 min Scan# 2201  
Delta R.T. -0.01 min  
Lab File: BF108426.D  
Acq: 23 Aug 2018 17:49

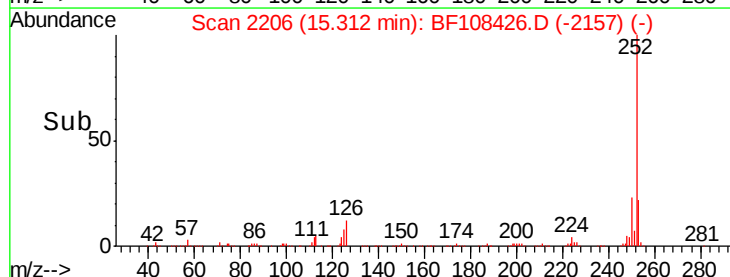
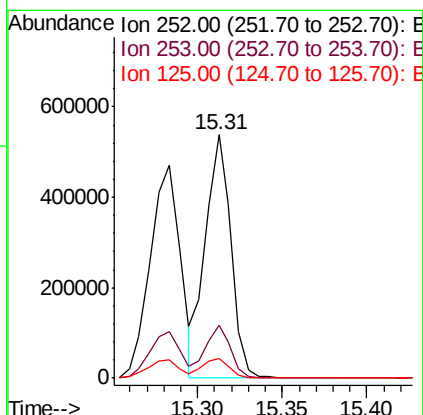
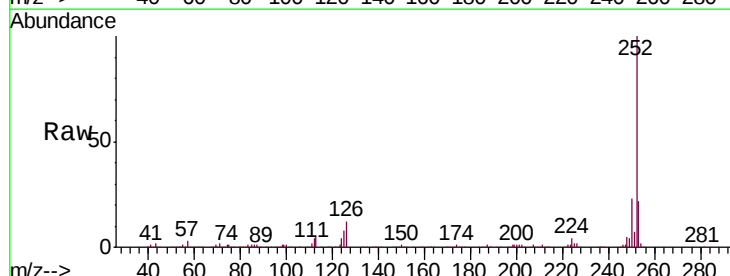
Instrument :  
BNA\_F  
ClientSampleId :  
RA-081618-FL-036MSD

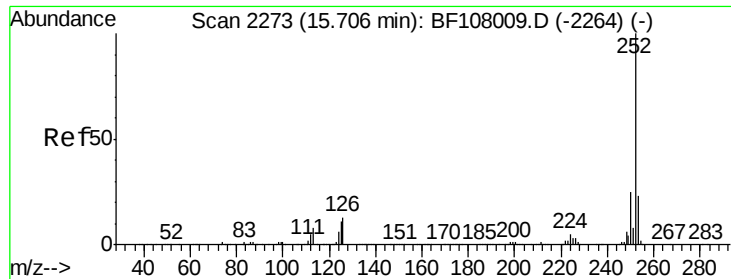
Tgt Ion:252 Resp: 579583  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.0 25.6  
125 8.5 9.0 13.6#



#88  
Benzo(k)fluoranthene  
Concen: 33.635 ng  
RT: 15.31 min Scan# 2206  
Delta R.T. -0.01 min  
Lab File: BF108426.D  
Acq: 23 Aug 2018 17:49

Tgt Ion:252 Resp: 567761  
Ion Ratio Lower Upper  
252 100  
253 21.5 17.9 26.9  
125 8.3 10.2 15.2#

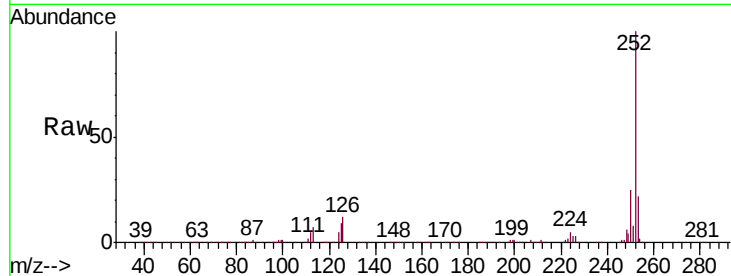




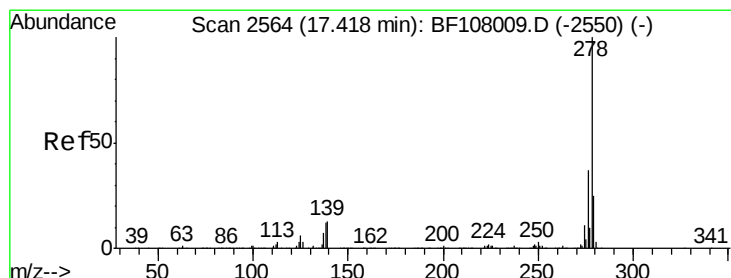
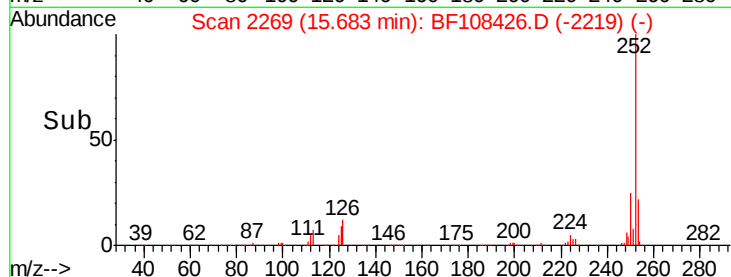
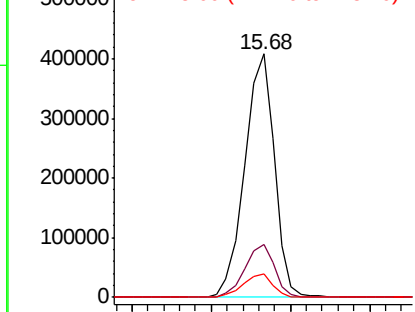
#89  
Benzo(a)pyrene  
Concen: 32.276 ng  
RT: 15.68 min Scan# 2269  
Delta R.T. -0.01 min  
Lab File: BF108426.D  
Acq: 23 Aug 2018 17:49

Instrument :  
BNA\_F  
ClientSampleId :  
RA-081618-FL-036MSD

Tgt Ion: 252 Resp: 530730  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.1 25.7  
125 9.4 9.8 14.6#

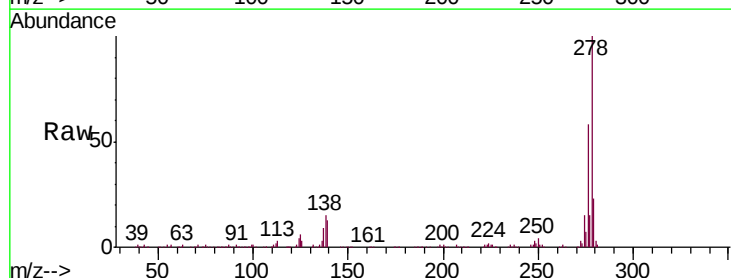


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

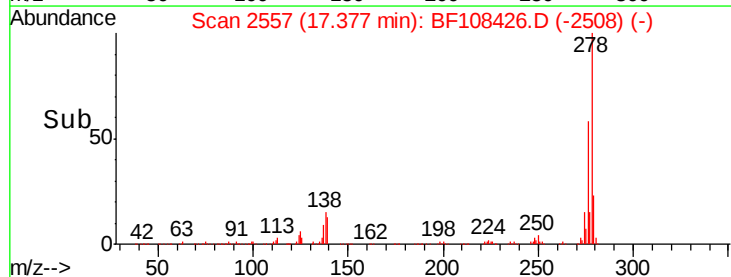
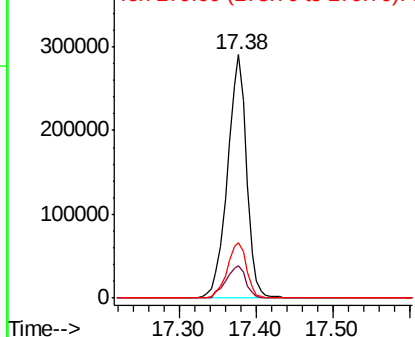


#90  
Dibenzo(a,h)anthracene  
Concen: 37.038 ng  
RT: 17.38 min Scan# 2557  
Delta R.T. -0.01 min  
Lab File: BF108426.D  
Acq: 23 Aug 2018 17:49

Tgt Ion: 278 Resp: 503913  
Ion Ratio Lower Upper  
278 100  
139 13.1 15.9 23.9#  
279 22.8 19.0 28.4



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





#91

Benzo(g,h,i)perylene

Concen: 37.462 ng

RT: 17.86 min Scan# 2639

Delta R.T. -0.01 min

Lab File: BF108426.D

Acq: 23 Aug 2018 17:49

Instrument :

BNA\_F

ClientSampleId :

RA-081618-FL-036MSD

Tgt Ion: 276 Resp: 501870

Ion Ratio Lower Upper

276 100

277 23.9 17.9 26.9

138 19.2 21.8 32.8#

