

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082019\  
 Data File : BF116435.D  
 Acq On : 20 Aug 2019 15:50  
 Operator : HP/JU  
 Sample : K4350-04MSD  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-18\_081519MSD

Manual Integrations  
 APPROVED

Jagrut  
 8/21/2019 3:51:20 PM

Quant Time: Aug 20 18:55:19 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 19 06:03:31 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.80  | 152  | 105172   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.09  | 136  | 414473   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 9.84  | 164  | 228352   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 11.32 | 188  | 418468   | 20.00 | ng    | -0.02    |
| 76) Chrysene-d12          | 13.97 | 240  | 322082   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 15.42 | 264  | 333623   | 20.00 | ng    | -0.02    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.43  | 112 | 719858  | 114.58 | ng | 0.00  |
| 7) Phenol-d6                | 6.46  | 99  | 893493  | 112.72 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 7.37  | 82  | 631878  | 88.00  | ng | -0.01 |
| 42) 2,4,6-Tribromophenol    | 10.63 | 330 | 262301  | 118.48 | ng | -0.01 |
| 45) 2-Fluorobiphenyl        | 9.16  | 172 | 1042968 | 85.55  | ng | -0.01 |
| 79) Terphenyl-d14           | 12.90 | 244 | 1260795 | 82.49  | ng | -0.01 |

|                                |      |     |        |        |    |      |
|--------------------------------|------|-----|--------|--------|----|------|
| Target Compounds               |      |     |        | Qvalue |    |      |
| 2) 1,4-Dioxane                 | 2.48 | 88  | 104004 | 32.769 | ng | 98   |
| 3) Pyridine                    | 3.26 | 79  | 275526 | 31.077 | ng | 99   |
| 4) n-Nitrosodimethylamine      | 3.19 | 42  | 117992 | 33.724 | ng | 99   |
| 6) Aniline                     | 6.47 | 93  | 299041 | 26.344 | ng | # 65 |
| 8) 2-Chlorophenol              | 6.60 | 128 | 294933 | 42.454 | ng | 99   |
| 9) Benzaldehyde                | 6.36 | 77  | 128231 | 23.446 | ng | 98   |
| 10) Phenol                     | 6.47 | 94  | 390497 | 41.835 | ng | 99   |
| 11) bis(2-Chloroethyl)ether    | 6.54 | 93  | 279836 | 40.777 | ng | 98   |
| 12) 1,3-Dichlorobenzene        | 6.75 | 146 | 308505 | 38.425 | ng | 98   |
| 13) 1,4-Dichlorobenzene        | 6.82 | 146 | 320715 | 39.895 | ng | 98   |
| 14) 1,2-Dichlorobenzene        | 6.97 | 146 | 295318 | 39.896 | ng | 99   |
| 15) Benzyl Alcohol             | 6.96 | 79  | 238738 | 39.688 | ng | 98   |
| 16) 2,2'-oxybis(1-Chloropropan | 7.08 | 45  | 360847 | 38.550 | ng | 58   |
| 17) 2-Methylphenol             | 7.07 | 107 | 242644 | 41.249 | ng | # 89 |
| 18) Hexachloroethane           | 7.31 | 117 | 115178 | 38.915 | ng | 97   |
| 19) n-Nitroso-di-n-propylamine | 7.22 | 70  | 208092 | 42.366 | ng | 99   |
| 20) 3+4-Methylphenols          | 7.23 | 107 | 331040 | 47.555 | ng | # 79 |
| 22) Acetophenone               | 7.22 | 105 | 411872 | 45.311 | ng | # 93 |
| 24) Nitrobenzene               | 7.39 | 77  | 325861 | 42.030 | ng | 98   |
| 25) Isophorone                 | 7.63 | 82  | 592388 | 43.146 | ng | 99   |
| 26) 2-Nitrophenol              | 7.71 | 139 | 163253 | 44.670 | ng | 95   |
| 27) 2,4-Dimethylphenol         | 7.75 | 122 | 265254 | 48.242 | ng | 99   |
| 28) bis(2-Chloroethoxy)methane | 7.83 | 93  | 360047 | 42.308 | ng | 100  |
| 29) 2,4-Dichlorophenol         | 7.96 | 162 | 260531 | 44.876 | ng | 97   |
| 30) 1,2,4-Trichlorobenzene     | 8.03 | 180 | 268764 | 40.612 | ng | 99   |
| 31) Naphthalene                | 8.10 | 128 | 847765 | 43.466 | ng | 99   |
| 32) Benzoic acid               | 7.91 | 122 | 121113 | 31.242 | ng | 93   |
| 33) 4-Chloroaniline            | 8.17 | 127 | 155102 | 17.798 | ng | 97   |
| 34) Hexachlorobutadiene        | 8.22 | 225 | 151810 | 39.826 | ng | 99   |
| 35) Caprolactam                | 8.53 | 113 | 84935m | 45.234 | ng |      |
| 36) 4-Chloro-3-methylphenol    | 8.66 | 107 | 274746 | 45.490 | ng | 99   |
| 37) 2-Methylnaphthalene        | 8.80 | 142 | 564806 | 43.970 | ng | 99   |
| 38) 1-Methylnaphthalene        | 8.90 | 142 | 532799 | 43.844 | ng | 99   |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.97 | 216 | 262061 | 42.927 | ng | 99   |

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 19 06:03:31 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.95  | 237  | 73214    | 30.659 | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 9.09  | 196  | 161129   | 38.346 | nq    | 100      |
| 44) 2,4,5-Trichlorophenol      | 9.14  | 196  | 166893   | 38.423 | nq    | 97       |
| 46) 1,1'-Biphenyl              | 9.26  | 154  | 702432   | 43.571 | nq    | 98       |
| 47) 2-Chloronaphthalene        | 9.29  | 162  | 553757   | 41.270 | nq    | 99       |
| 48) 2-Nitroaniline             | 9.39  | 65   | 181413   | 40.904 | nq    | 98       |
| 49) Acenaphthylene             | 9.70  | 152  | 839786   | 42.900 | nq    | 98       |
| 50) Dimethylphthalate          | 9.56  | 163  | 743366   | 47.810 | nq    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.63  | 165  | 146553   | 43.373 | nq #  | 83       |
| 52) Acenaphthene               | 9.87  | 154  | 508964   | 42.381 | nq    | 100      |
| 53) 3-Nitroaniline             | 9.80  | 138  | 102707   | 24.600 | nq    | 97       |
| 54) 2,4-Dinitrophenol          | 9.93  | 184  | 95423    | 57.915 | nq    | 96       |
| 55) Dibenzofuran               | 10.05 | 168  | 730840   | 41.847 | nq    | 100      |
| 56) 4-Nitrophenol              | 9.99  | 139  | 150360   | 56.219 | nq    | 94       |
| 57) 2,4-Dinitrotoluene         | 10.05 | 165  | 186425   | 41.439 | nq    | 94       |
| 58) Fluorene                   | 10.39 | 166  | 615072   | 45.775 | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.17 | 232  | 155266   | 42.488 | nq    | 96       |
| 60) Diethylphthalate           | 10.26 | 149  | 652647   | 44.960 | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.37 | 204  | 305624   | 44.911 | nq    | 97       |
| 62) 4-Nitroaniline             | 10.42 | 138  | 159888   | 37.057 | nq    | 99       |
| 63) Azobenzene                 | 10.53 | 77   | 664625   | 44.514 | nq    | 99       |
| 65) 4,6-Dinitro-2-methylphenol | 10.46 | 198  | 90389    | 40.760 | nq    | 99       |
| 66) n-Nitrosodiphenylamine     | 10.50 | 169  | 543977   | 43.188 | nq    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.86 | 248  | 189694   | 42.345 | nq    | 97       |
| 68) Hexachlorobenzene          | 10.94 | 284  | 209751   | 40.492 | nq    | 98       |
| 69) Atrazine                   | 11.02 | 200  | 177938   | 42.942 | nq    | 98       |
| 70) Pentachlorophenol          | 11.15 | 266  | 140649   | 55.926 | nq    | 98       |
| 71) Phenanthrene               | 11.35 | 178  | 936118   | 43.758 | nq    | 100      |
| 72) Anthracene                 | 11.40 | 178  | 959658   | 44.325 | nq    | 99       |
| 73) Carbazole                  | 11.56 | 167  | 884436   | 45.027 | nq    | 99       |
| 74) Di-n-butylphthalate        | 11.87 | 149  | 1085963  | 47.393 | nq    | 99       |
| 75) Fluoranthene               | 12.54 | 202  | 1044443  | 46.635 | nq    | 98       |
| 77) Benzidine                  | 12.66 | 184  | 465711   | 42.799 | nq    | 98       |
| 78) Pyrene                     | 12.77 | 202  | 1070002  | 44.071 | nq    | 100      |
| 80) Butylbenzylphthalate       | 13.37 | 149  | 488981   | 47.612 | nq    | 97       |
| 81) Benzo(a)anthracene         | 13.96 | 228  | 905613   | 43.991 | nq    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 13.91 | 252  | 218465   | 30.546 | nq    | 99       |
| 83) Chrysene                   | 13.99 | 228  | 869359   | 43.498 | nq    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 13.93 | 149  | 710155   | 53.211 | nq #  | 98       |
| 85) Di-n-octyl phthalate       | 14.53 | 149  | 1160145  | 54.728 | nq    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 16.89 | 276  | 854294   | 50.893 | nq    | 99       |
| 88) Benzo(b)fluoranthene       | 15.00 | 252  | 837427   | 43.411 | nq    | 100      |
| 89) Benzo(k)fluoranthene       | 15.03 | 252  | 758342   | 40.361 | nq    | 98       |
| 90) Benzo(a)pyrene             | 15.36 | 252  | 766354   | 44.441 | nq    | 99       |
| 91) Dibenzo(a,h)anthracene     | 16.88 | 278  | 708687   | 47.478 | nq    | 99       |
| 92) Benzo(g,h,i)perylene       | 17.32 | 276  | 722820   | 49.307 | nq    | 98       |

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

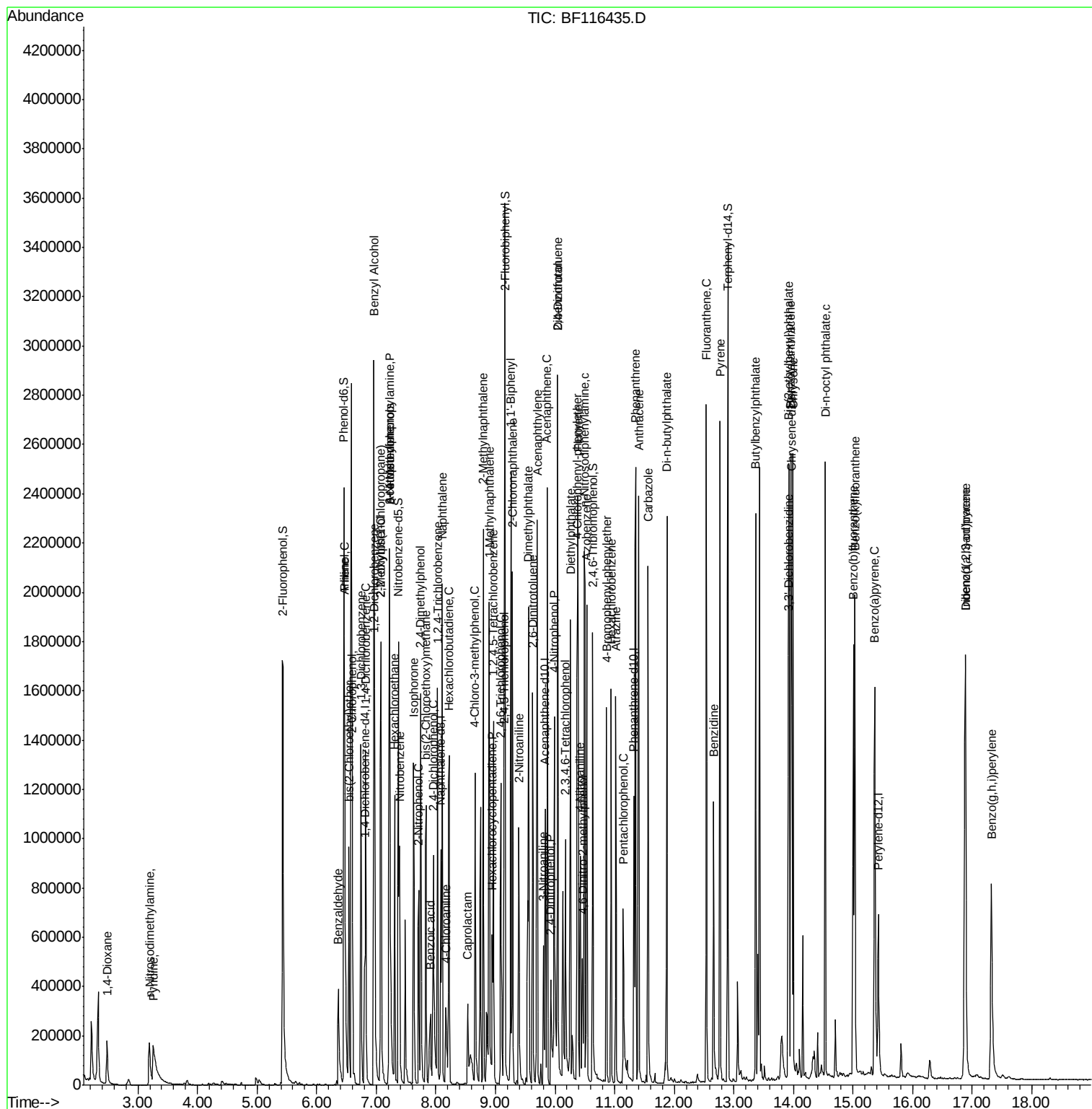
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082019\  
Data File : BF116435.D  
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Operator : HP/JU  
Sample : K4350-04MSD  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

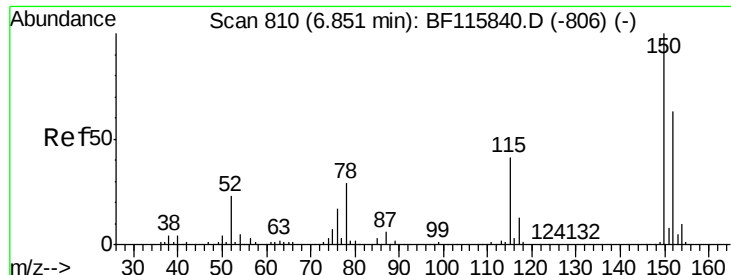
Instrument :  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.80 min Scan# 802

Delta R.T. -0.01 min

Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

Instrument :

BNA\_F

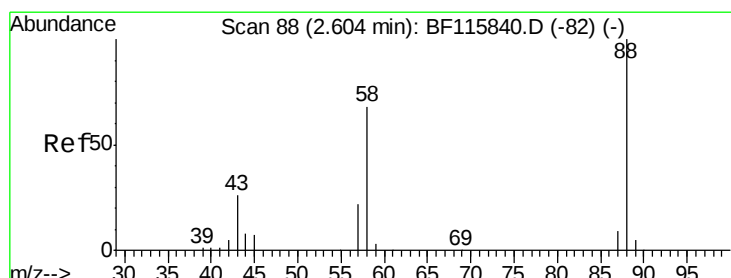
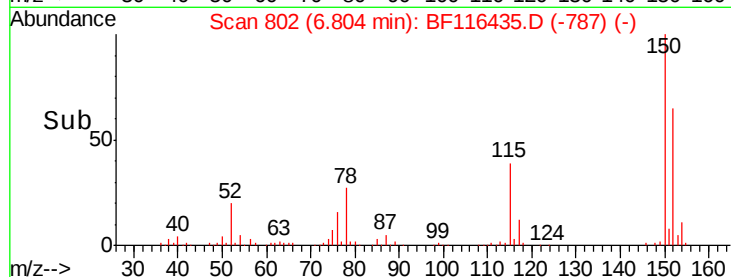
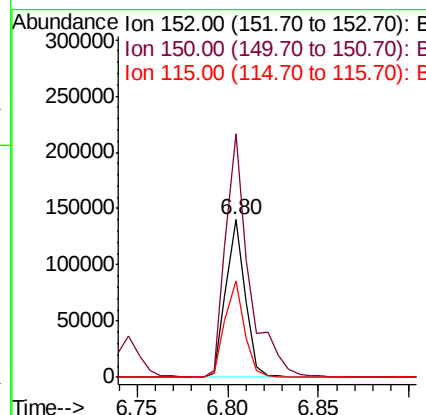
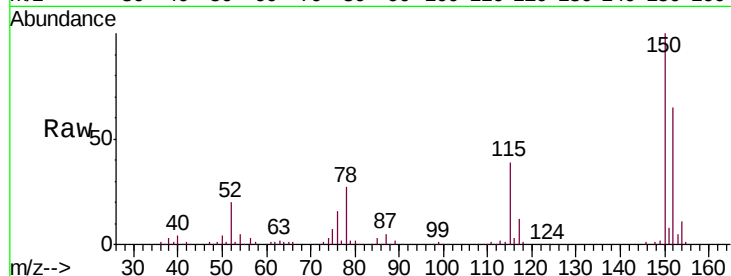
ClientSampleId :

SS-18\_081519MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 105172 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 150       | 154.6 | 126.2 | 189.2  |
| 115       | 61.0  | 49.9  | 74.9   |

Manual Integrations  
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#2

1,4-Dioxane

Concen: 32.769 ng

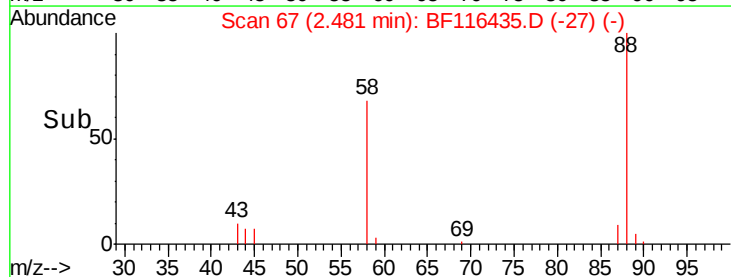
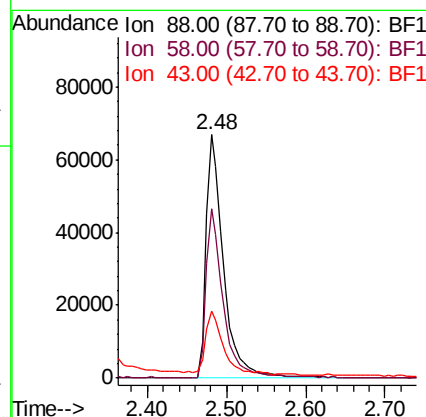
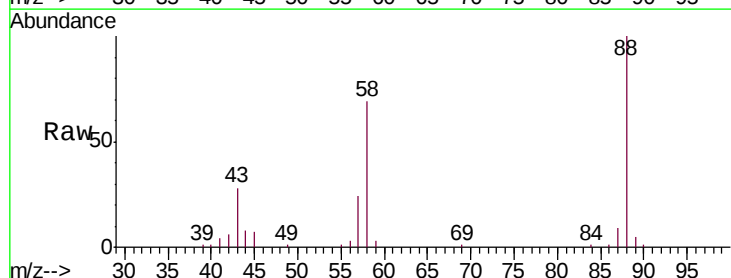
RT: 2.48 min Scan# 67

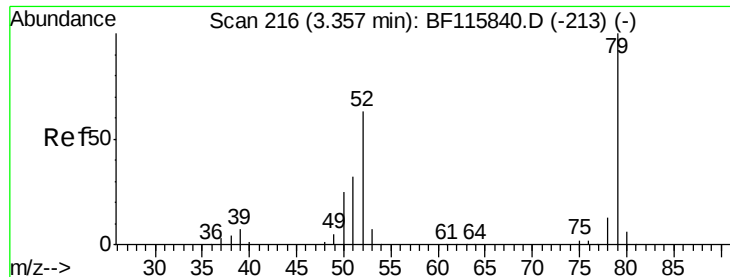
Delta R.T. -0.06 min

Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 88    | Resp: | 104004 |
| Ion Ratio | Lower | Upper |        |
| 88        | 100   |       |        |
| 58        | 68.7  | 53.7  | 80.5   |
| 43        | 25.6  | 21.0  | 31.4   |





#3

Pvridine

Concen: 31.077 ng

RT: 3.26 min Scan# 199

Delta R.T. -0.04 min

Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

Instrument :

BNA\_F

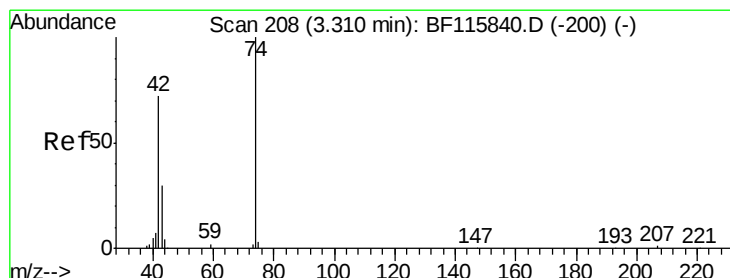
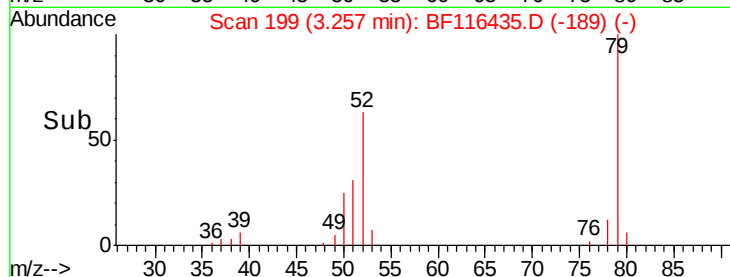
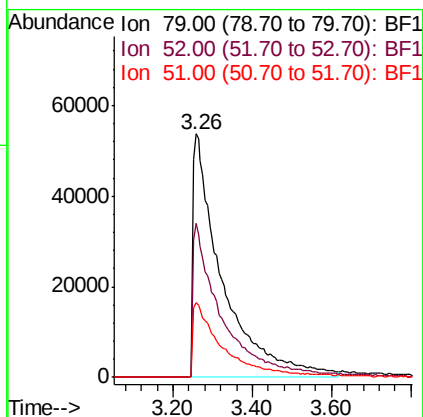
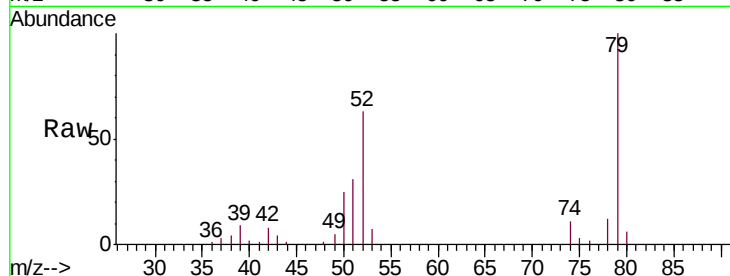
ClientSampleId :

SS-18\_081519MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 79      | 100  |       | 275526 |       |       |
| 52      | 63.3 | 49.8  | 74.8   |       |       |
| 51      | 30.6 | 25.2  | 37.8   |       |       |

Manual Integrations  
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8/21/2019 3:51:20 PM



#4

n-Nitrosodimethylamine

Concen: 33.724 ng

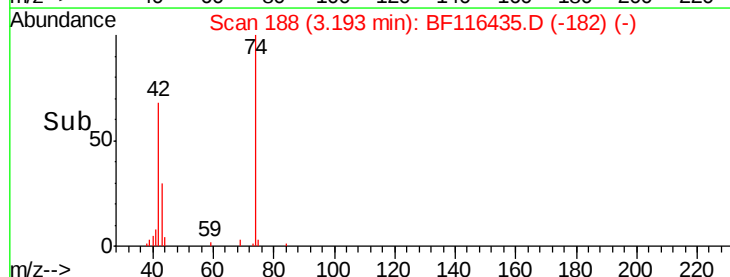
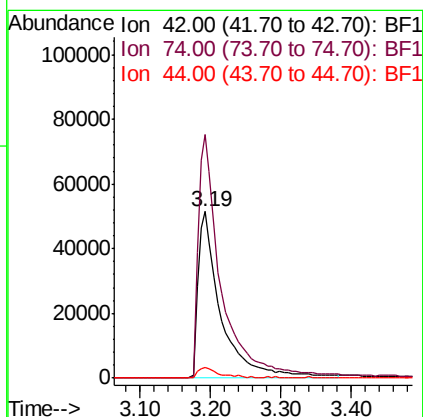
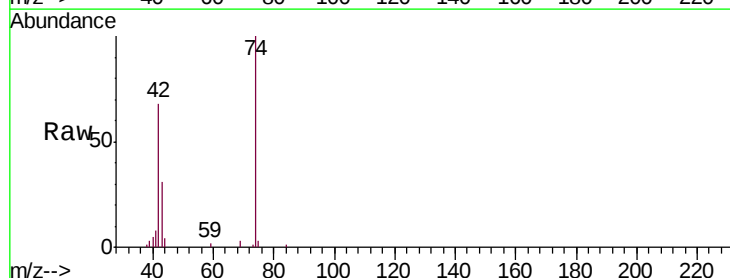
RT: 3.19 min Scan# 188

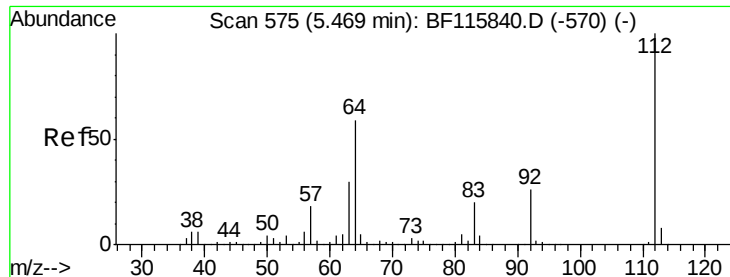
Delta R.T. -0.06 min

Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 42      | 100   |       | 117992 |       |       |
| 74      | 146.1 | 116.0 | 174.0  |       |       |
| 44      | 6.4   | 4.6   | 7.0    |       |       |





#5

2-Fluorophenol

Concen: 114.582 ng

RT: 5.43 min Scan# 569

Delta R.T. -0.01 min

Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

Instrument :

BNA\_F

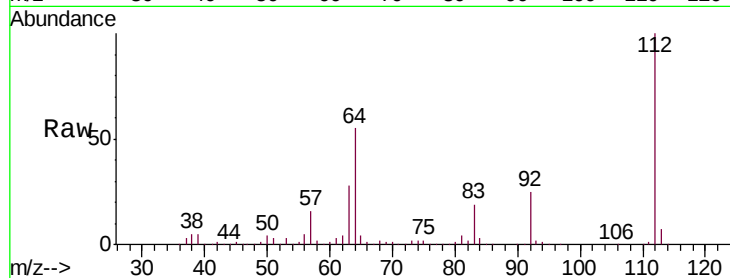
ClientSampleId :

SS-18\_081519MSD

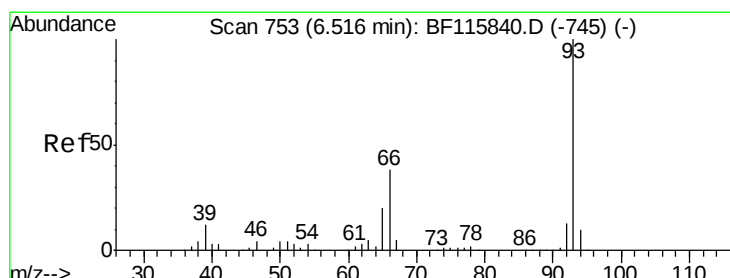
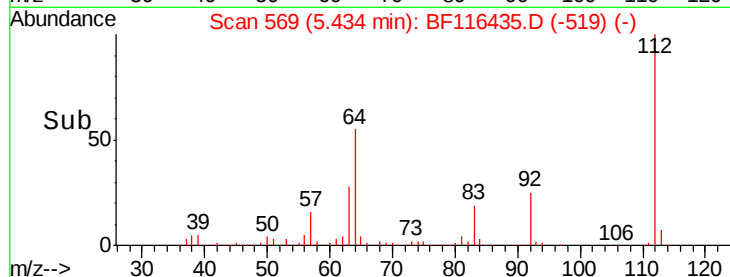
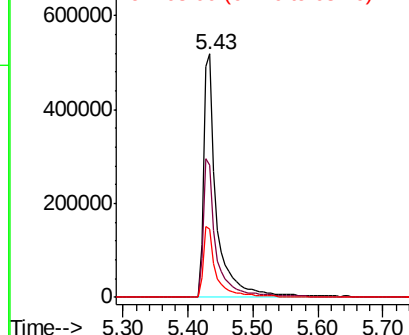
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 112     | 100   | 719858 |       |       |
| 64      | 54.5  | 45.4   | 68.2  |       |
| 63      | 27.9  | 23.7   | 35.5  |       |

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



#6

Aniline

Concen: 26.344 ng

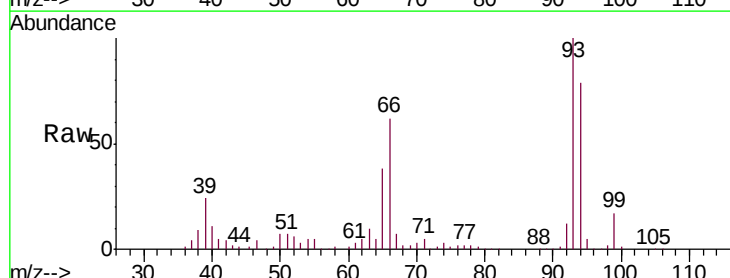
RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

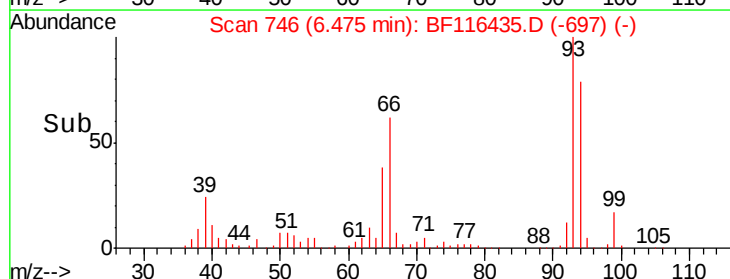
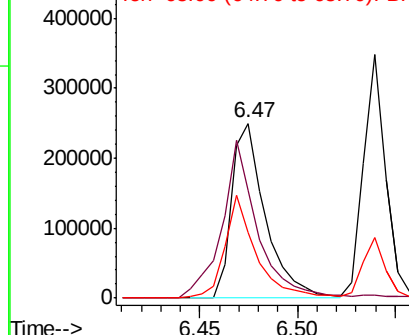
Lab File: BF116435.D

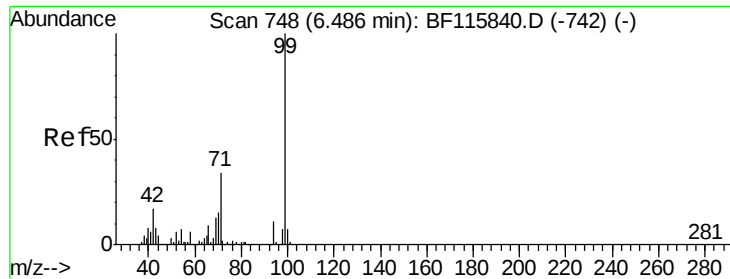
Acq: 20 Aug 2019 15:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 299041 |       |       |
| 66      | 62.0  | 32.2   | 48.4# |       |
| 65      | 37.9  | 17.0   | 25.6# |       |



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: 112.724 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

Instrument :

BNA\_F

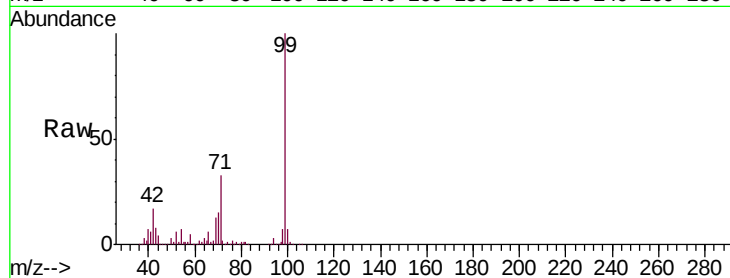
ClientSampleId :

SS-18\_081519MSD

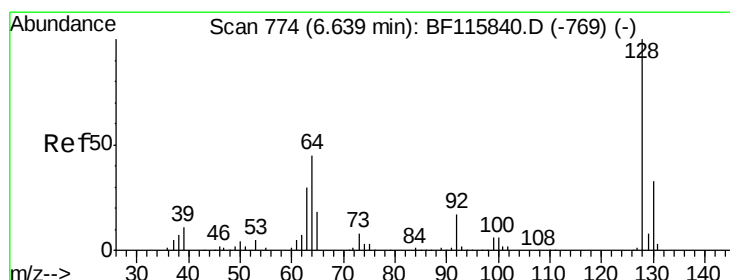
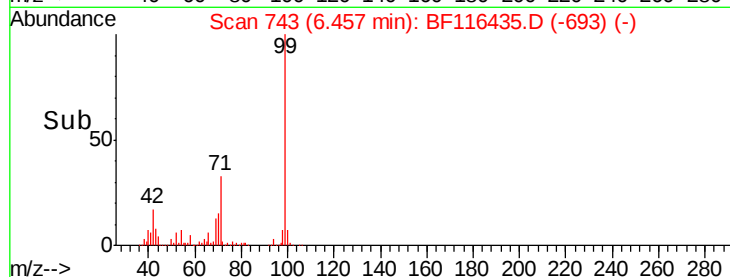
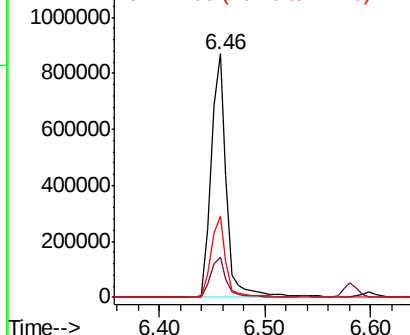
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 893493 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 16.7  | 13.8  | 20.8   |
| 71        | 33.2  | 27.3  | 40.9   |

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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: 42.454 ng

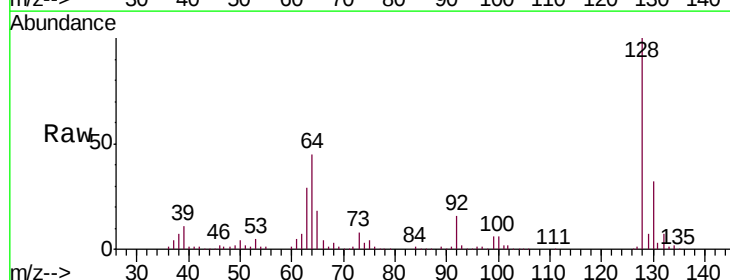
RT: 6.60 min Scan# 767

Delta R.T. -0.01 min

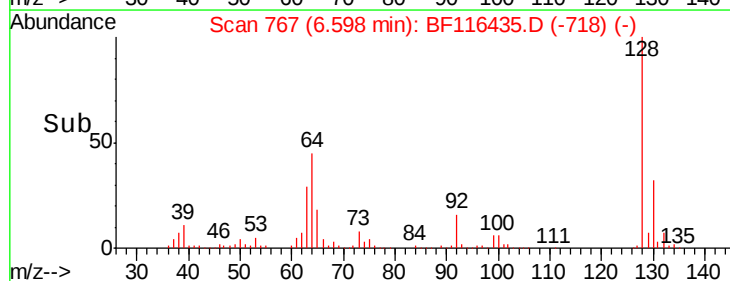
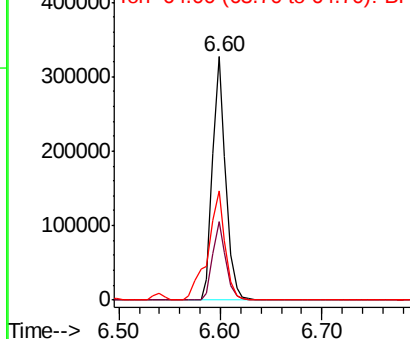
Lab File: BF116435.D

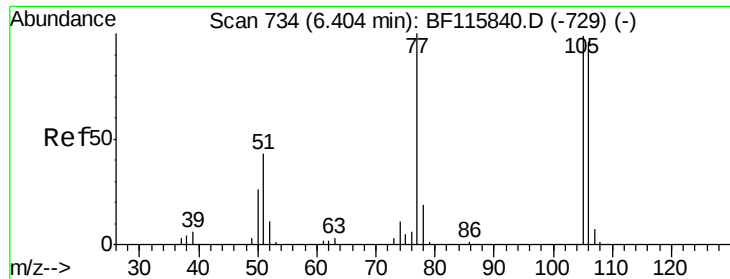
Acq: 20 Aug 2019 15:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 294933 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 32.2  | 12.9  | 52.9   |
| 64        | 45.1  | 24.3  | 64.3   |



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: 23.446 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

Instrument :

BNA\_F

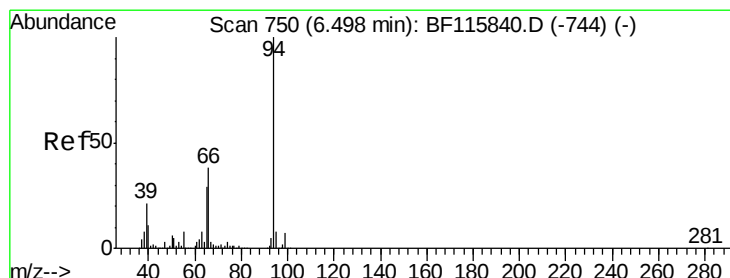
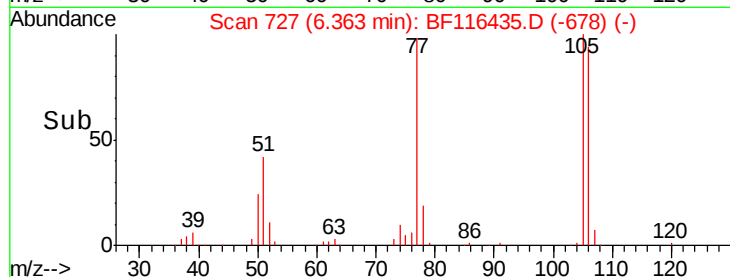
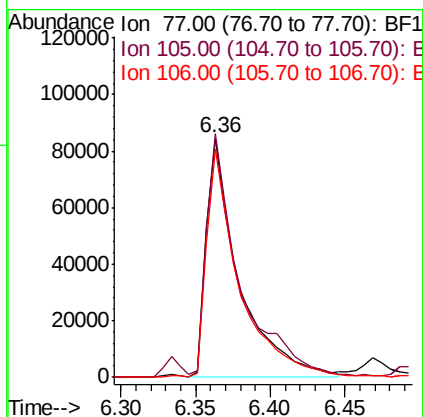
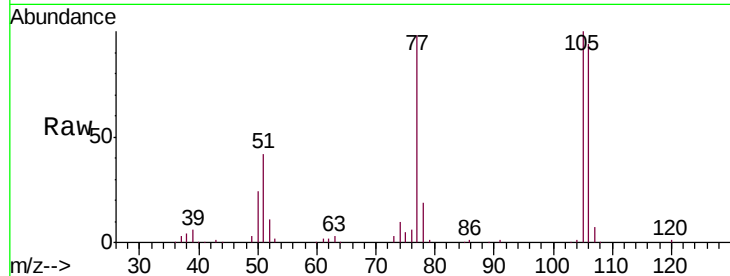
ClientSampleId :

SS-18\_081519MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 77    | Resp: | 128231 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 105       | 101.9 | 79.2  | 119.2  |
| 106       | 95.4  | 74.3  | 114.3  |

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#10

Phenol

Concen: 41.835 ng

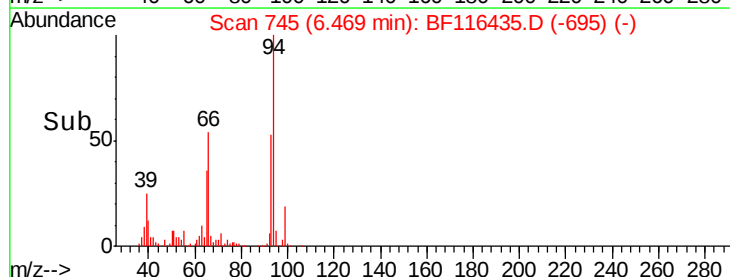
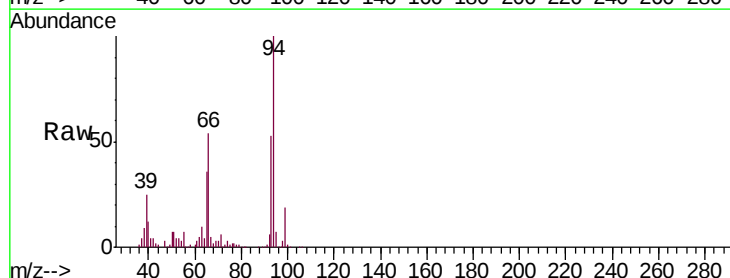
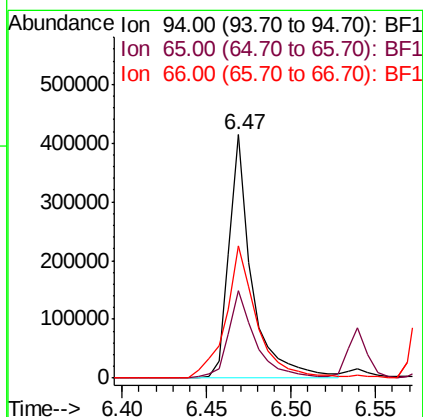
RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 94    | Resp: | 390497 |
| Ion Ratio | Lower | Upper |        |
| 94        | 100   |       |        |
| 65        | 35.7  | 16.8  | 56.8   |
| 66        | 54.5  | 34.2  | 74.2   |





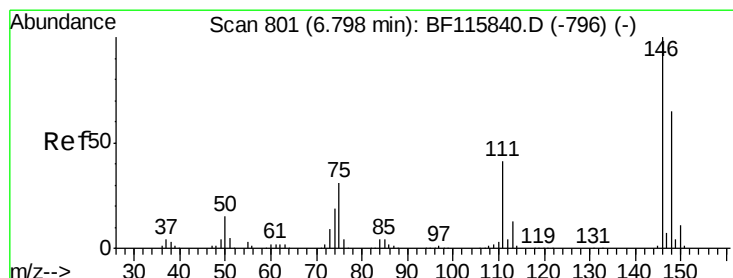
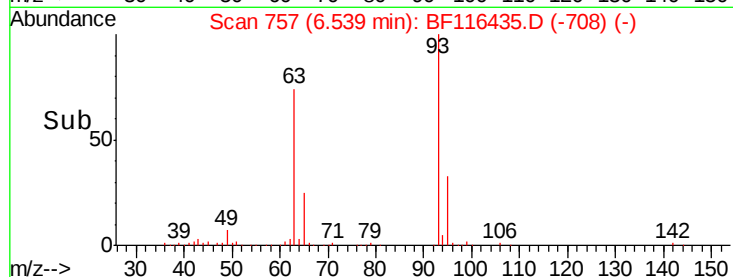
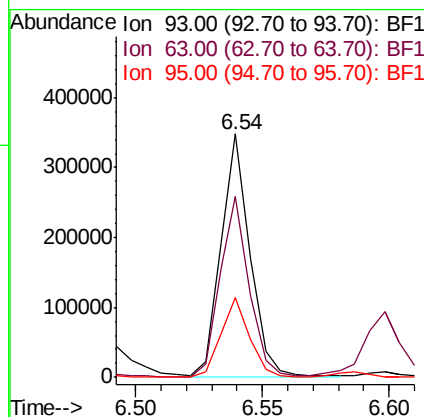
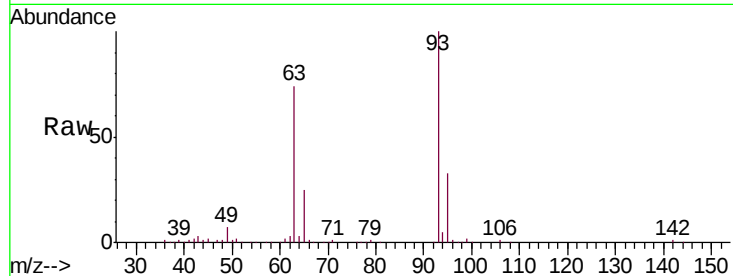
#11  
bis(2-Chloroethyl)ether  
Concen: 40.777 ng  
RT: 6.54 min Scan# 757  
Delta R.T. -0.01 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

Instrument :  
BNA\_F  
ClientSampleId :  
SS-18\_081519MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 93      | 100  |       | 279836 |       |       |
| 63      | 74.3 | 51.9  | 91.9   |       |       |
| 95      | 32.7 | 13.0  | 53.0   |       |       |

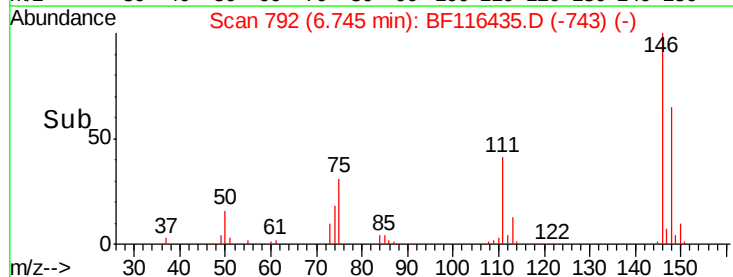
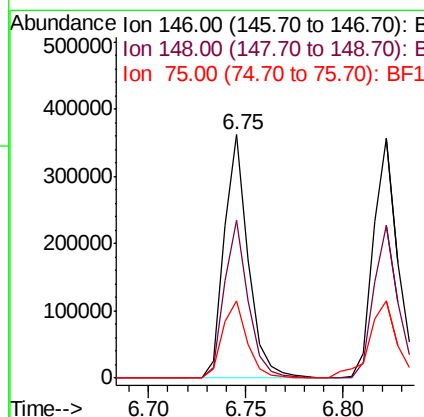
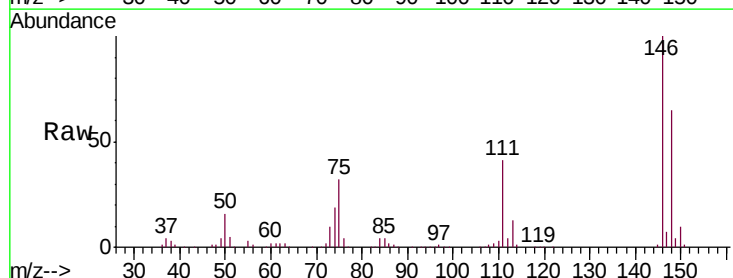
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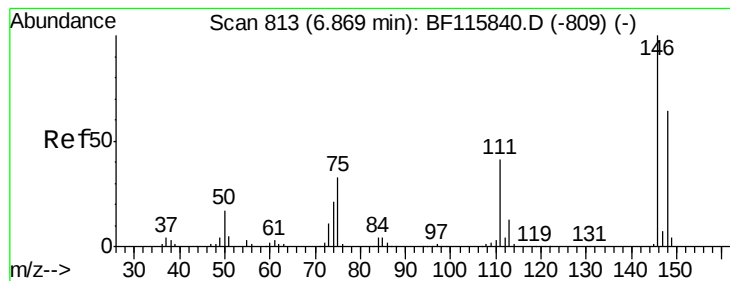
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#12  
1,3-Dichlorobenzene  
Concen: 38.425 ng  
RT: 6.75 min Scan# 792  
Delta R.T. -0.01 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 146     | 100  |       | 308505 |       |       |
| 148     | 64.7 | 51.3  | 76.9   |       |       |
| 75      | 31.6 | 27.4  | 41.2   |       |       |





#13

1,4-Dichlorobenzene

Concen: 39.895 ng

RT: 6.82 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

Instrument :

BNA\_F

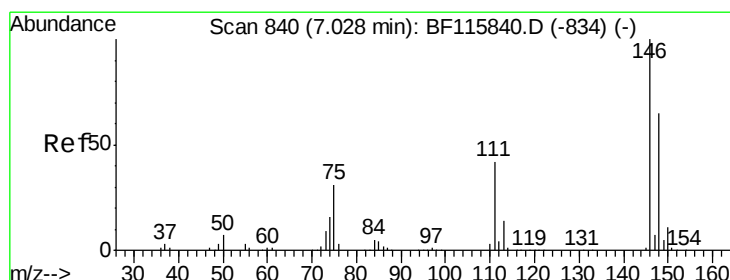
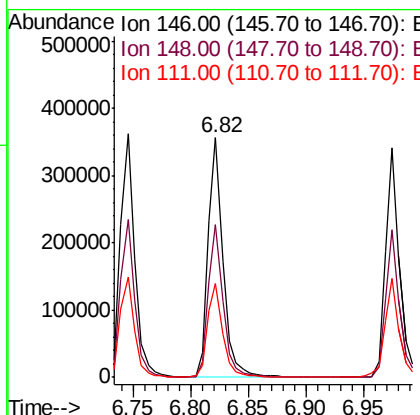
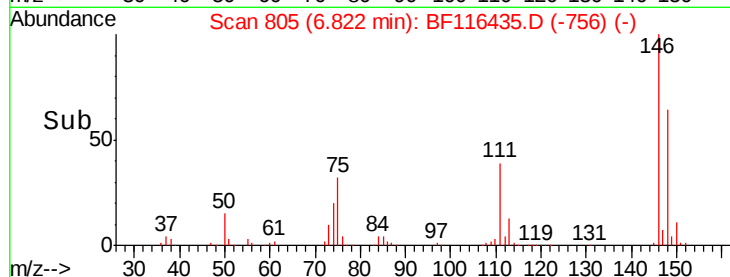
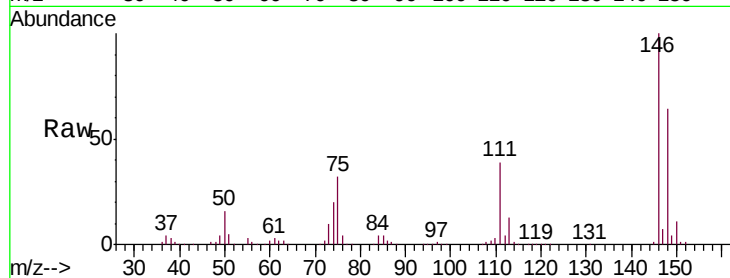
ClientSampleId :

SS-18\_081519MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 320715 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.1  | 51.3  | 76.9   |
| 111       | 39.1  | 34.0  | 51.0   |

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#14

1,2-Dichlorobenzene

Concen: 39.896 ng

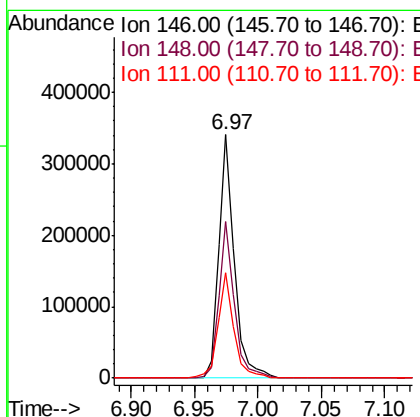
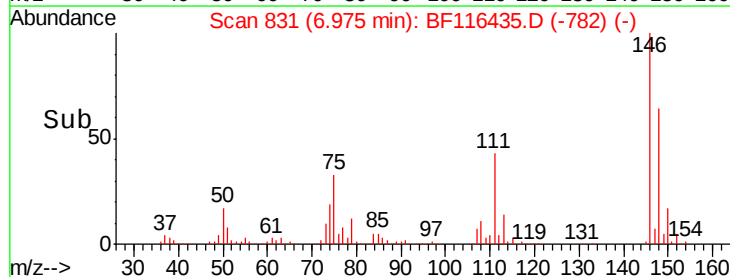
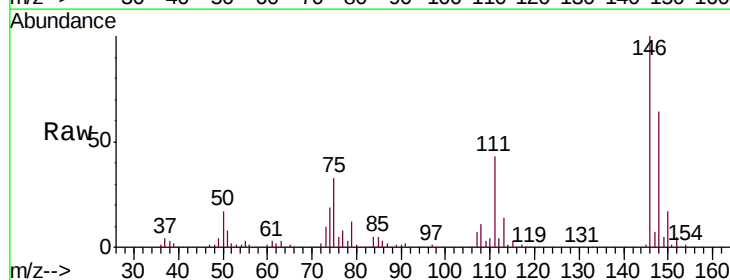
RT: 6.97 min Scan# 831

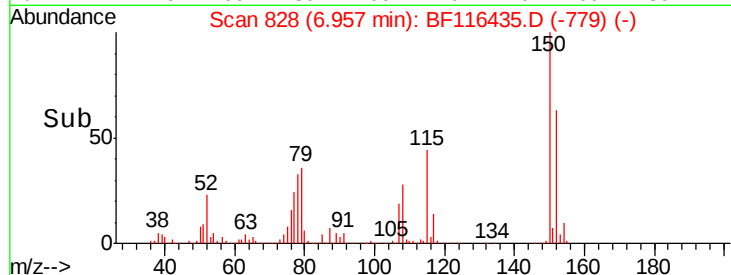
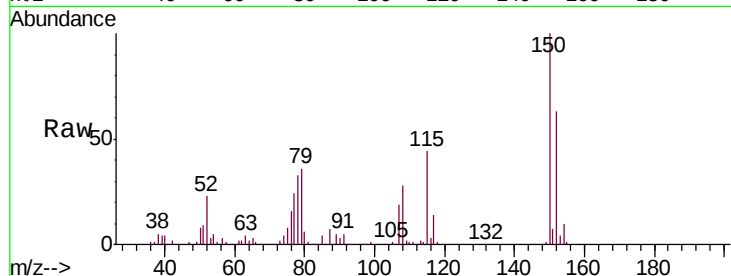
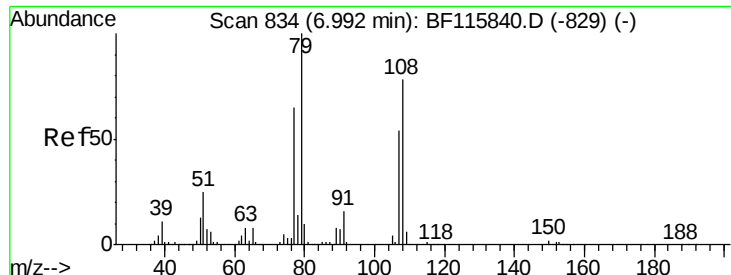
Delta R.T. -0.01 min

Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 295318 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.3  | 51.2  | 76.8   |
| 111       | 43.2  | 33.5  | 50.3   |





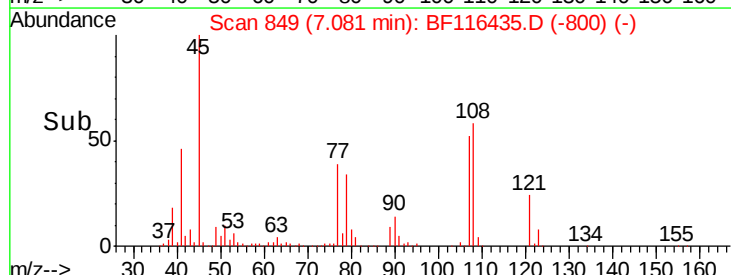
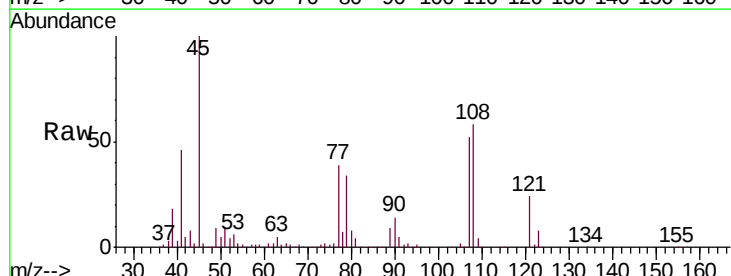
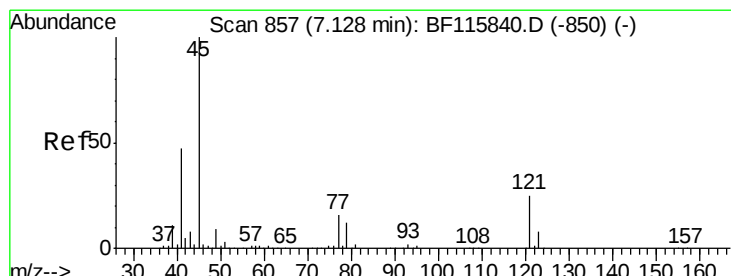
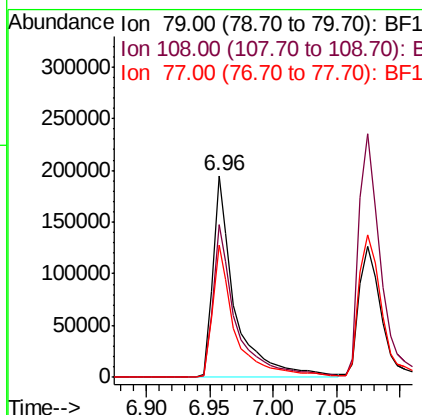
#15  
Benzyl Alcohol  
Concen: 39.688 ng  
RT: 6.96 min Scan# 828  
Delta R.T. -0.01 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 108     | 75.9  | 62.7  | 94.1  |
| 77      | 65.9  | 52.2  | 78.2  |

Instrument :  
BNA\_F  
ClientSampleId :  
SS-18\_081519MSD

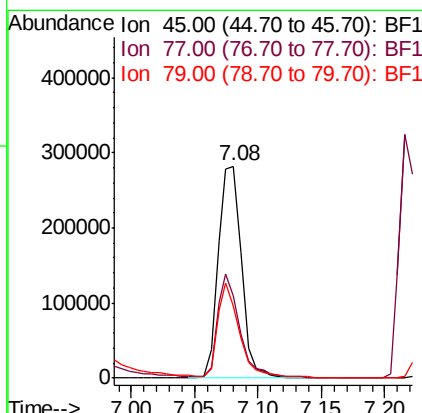
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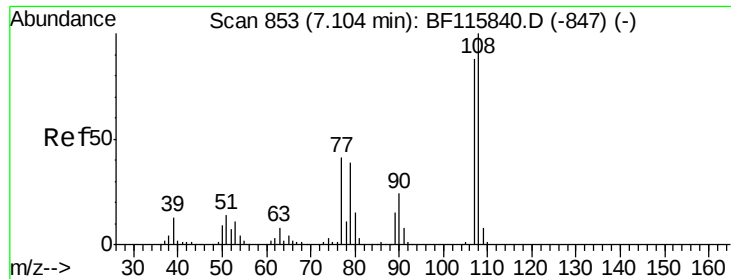
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#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 38.550 ng  
RT: 7.08 min Scan# 849  
Delta R.T. -0.01 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 38.9  | 0.0   | 40.0  |
| 79      | 34.2  | 0.0   | 35.9  |





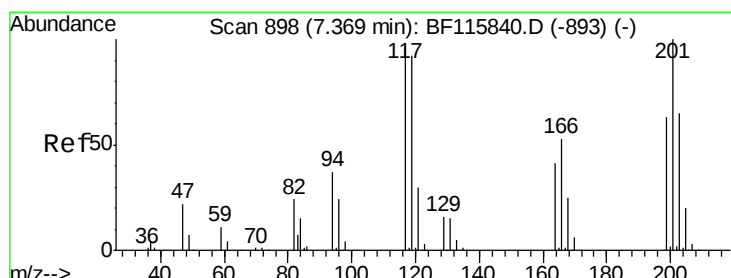
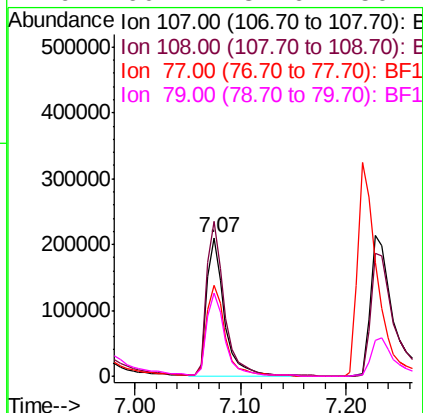
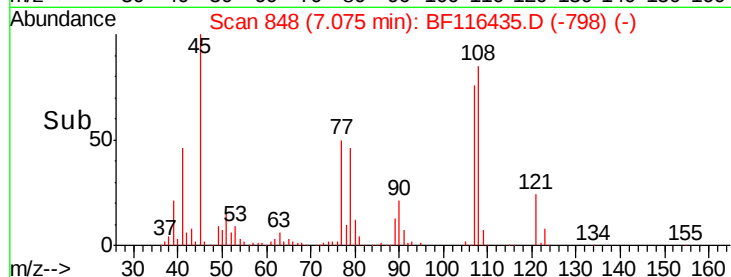
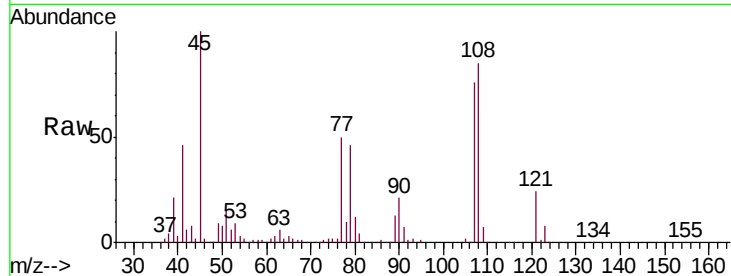
#17  
2-Methylphenol  
Concen: 41.249 ng  
RT: 7.07 min Scan# 848  
Delta R.T. -0.01 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

Instrument :  
BNA\_F  
ClientSampleId :  
SS-18\_081519MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 111.7 | 91.2 | 136.8 |       |
| 77      | 65.6  | 40.3 | 60.5  |       |
| 79      | 60.1  | 37.6 | 56.4  |       |

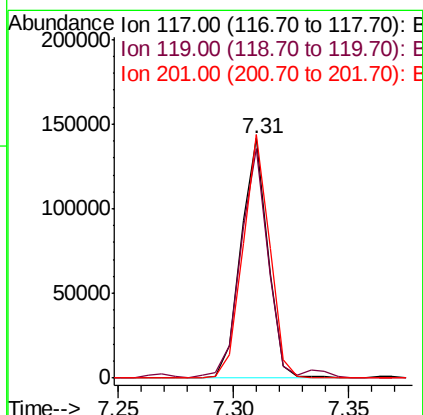
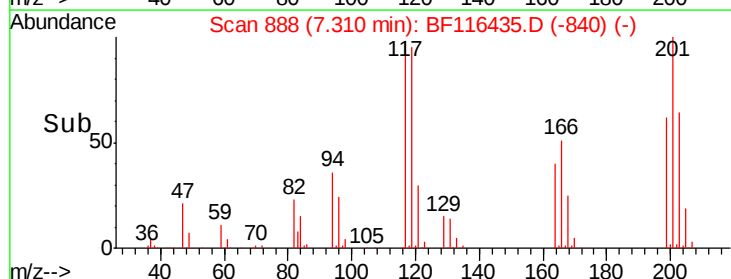
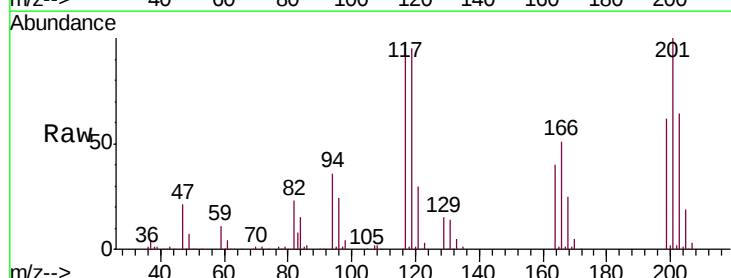
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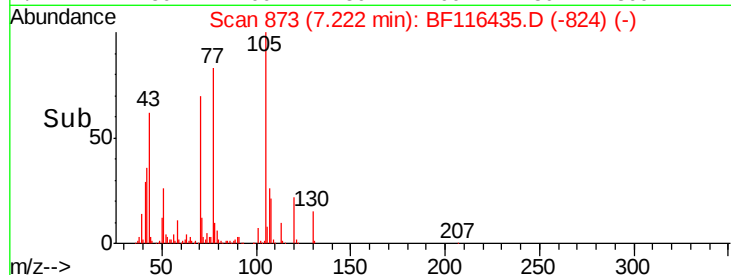
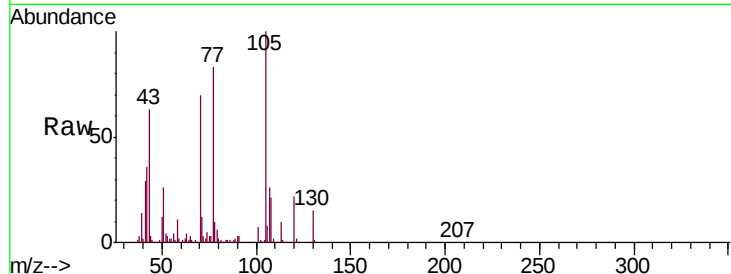
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#18  
Hexachloroethane  
Concen: 38.915 ng  
RT: 7.31 min Scan# 888  
Delta R.T. -0.02 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 96.2  | 76.1 | 114.1 |       |
| 201     | 101.8 | 77.0 | 115.4 |       |





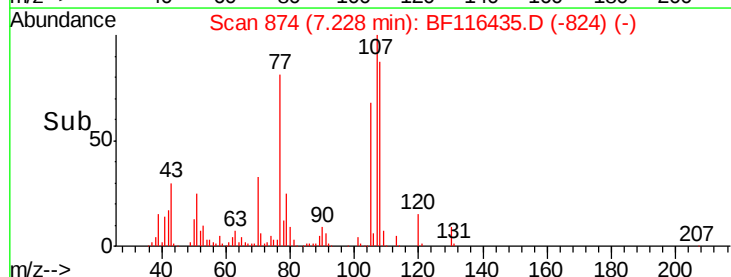
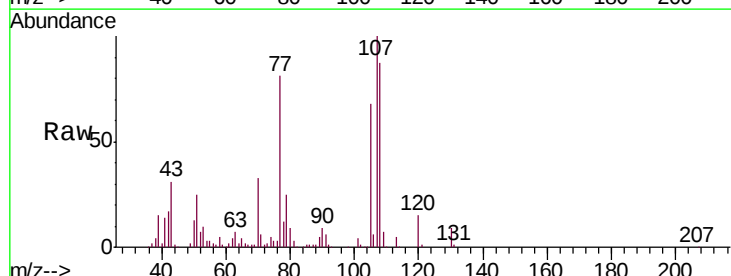
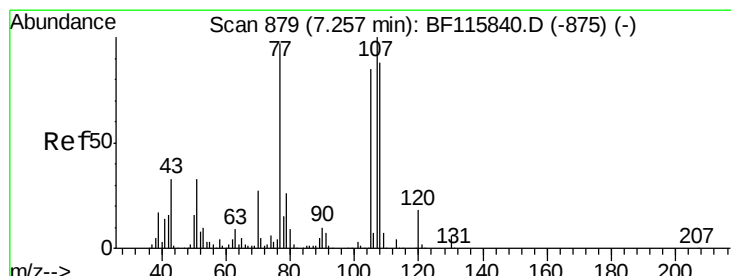
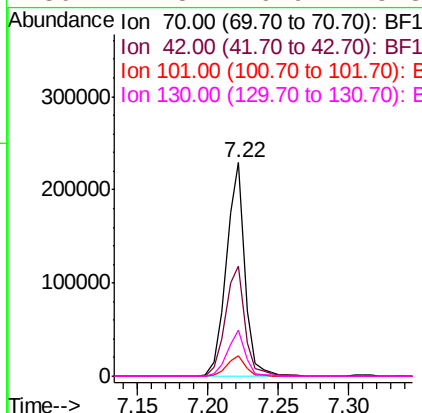
#19  
n-Nitroso-di-n-propylamine  
Concen: 42.366 ng  
RT: 7.22 min Scan# 873  
Delta R.T. -0.01 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

Instrument :  
BNA\_F  
ClientSampleId :  
SS-18\_081519MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 70      | 100  |       | 208092 |       |       |
| 42      | 51.5 | 40.9  | 61.3   |       |       |
| 101     | 9.8  | 7.9   | 11.9   |       |       |
| 130     | 21.8 | 16.9  | 25.3   |       |       |

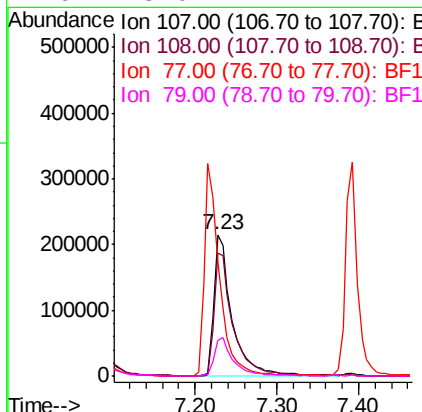
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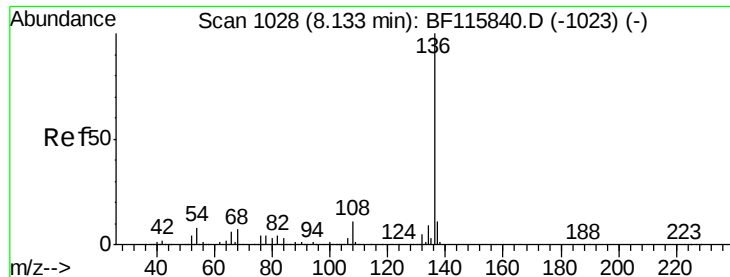
Jagrut  
8/21/2019 3:51:20 PM



#20  
3+4-Methylphenols  
Concen: 47.555 ng  
RT: 7.23 min Scan# 874  
Delta R.T. -0.01 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 107     | 100  |       | 331040 |       |       |
| 108     | 86.9 | 67.6  | 107.6  |       |       |
| 77      | 80.6 | 104.4 | 144.4  |       |       |
| 79      | 25.0 | 7.4   | 47.4   |       |       |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.01 min

Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

Instrument :

BNA\_F

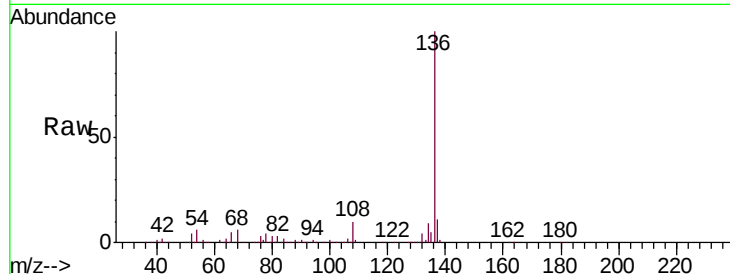
ClientSampleId :

SS-18\_081519MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 414473 |       |       |
| 137     | 10.6 |       | 9.0    | 13.4  |       |
| 54      | 6.4  |       | 5.8    | 8.6   |       |
| 68      | 5.6  |       | 5.2    | 7.8   |       |

Manual Integrations  
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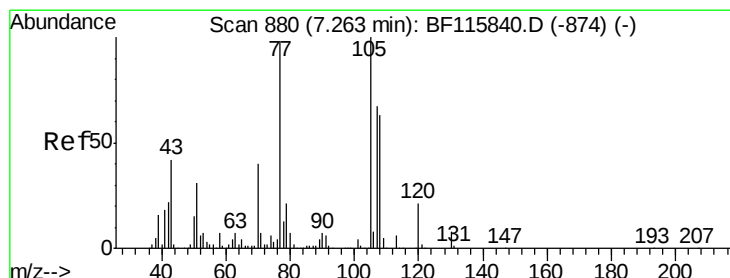
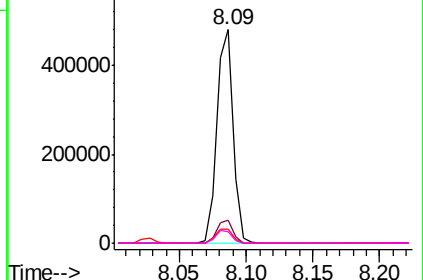
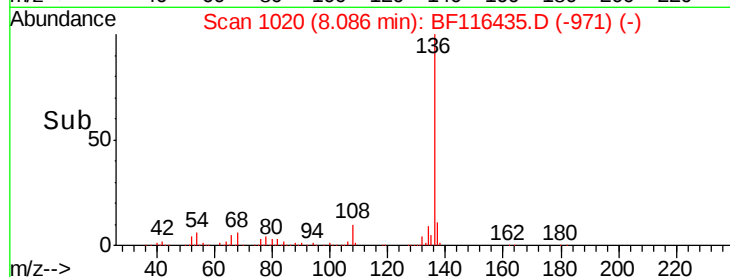


Abundance Ion 136.00 (135.70 to 136.70): E

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: 45.311 ng

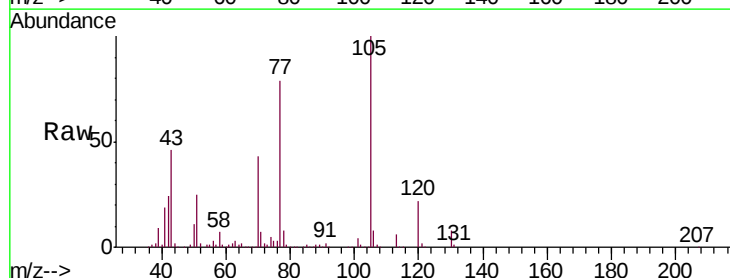
RT: 7.22 min Scan# 872

Delta R.T. -0.02 min

Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 105     | 100  |       | 411872 |       |       |
| 71      | 7.5  |       | 5.9    | 8.9   |       |
| 51      | 24.7 |       | 25.3   | 37.9# |       |
| 120     | 22.3 |       | 17.9   | 26.9  |       |

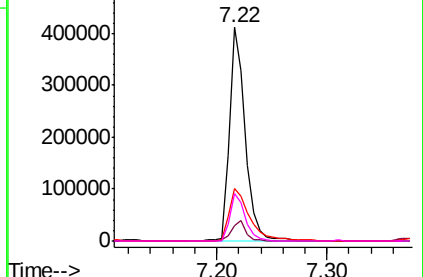
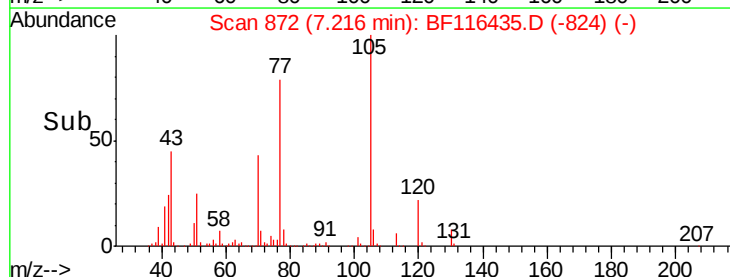


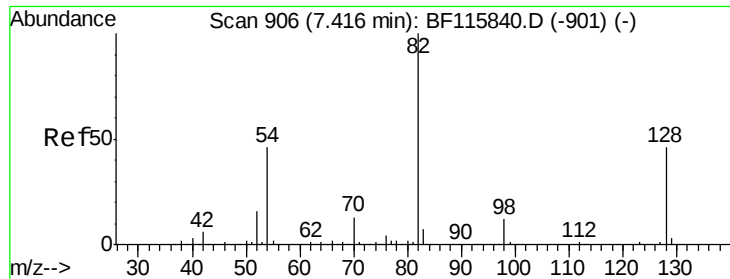
Abundance Ion 105.00 (104.70 to 105.70): E

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





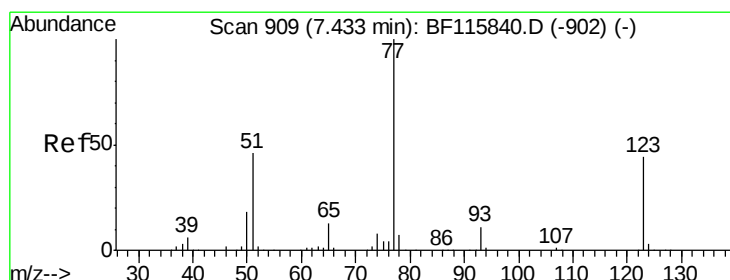
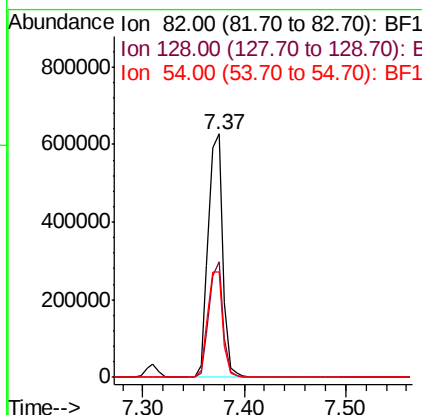
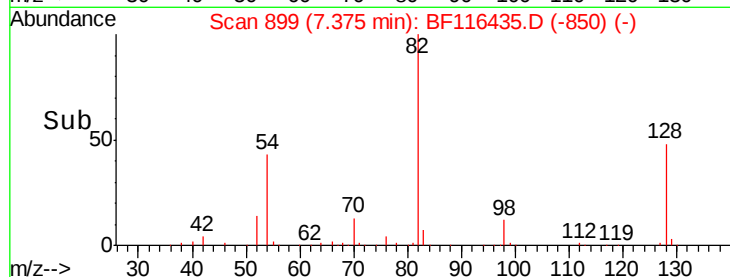
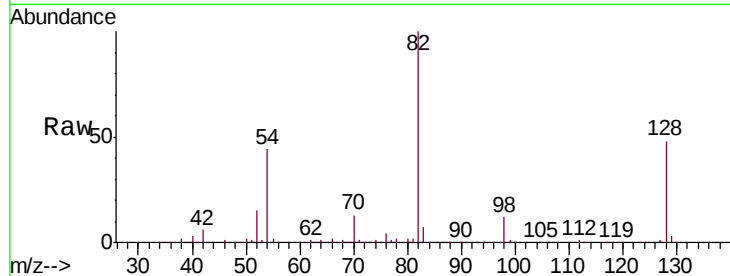
#23  
 Nitrobenzene-d5  
 Concen: 88.001 ng  
 RT: 7.37 min Scan# 899  
 Delta R.T. -0.01 min  
 Lab File: BF116435.D  
 Acq: 20 Aug 2019 15:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-18\_081519MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 47.7  | 36.5  | 54.7  |
| 54      | 43.5  | 36.0  | 54.0  |

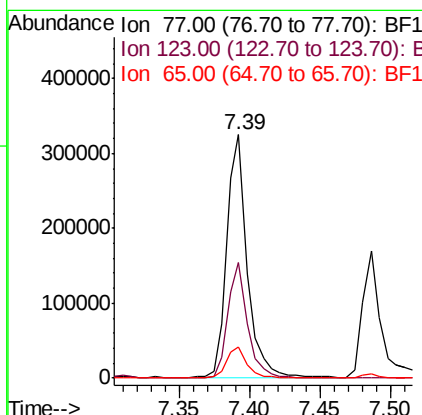
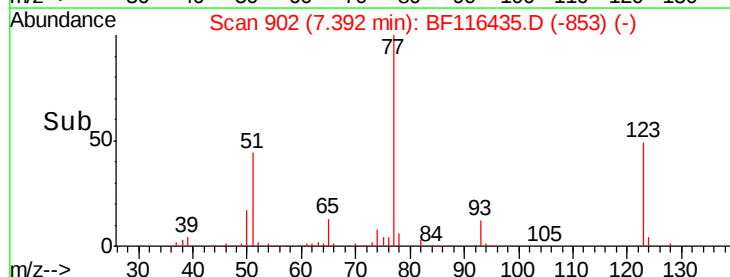
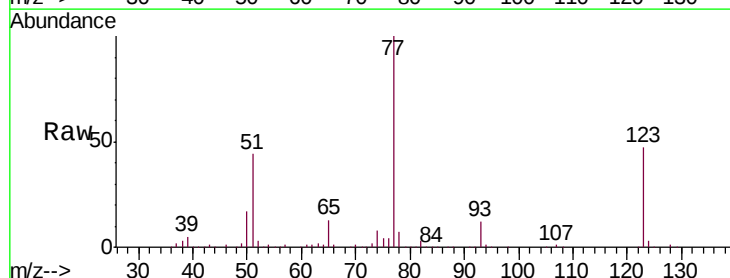
Manual Integrations  
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#24  
 Nitrobenzene  
 Concen: 42.030 ng  
 RT: 7.39 min Scan# 902  
 Delta R.T. -0.01 min  
 Lab File: BF116435.D  
 Acq: 20 Aug 2019 15:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 47.3  | 36.7  | 55.1  |
| 65      | 13.0  | 10.6  | 16.0  |





#25

Isophorone

Concen: 43.146 ng

RT: 7.63 min Scan# 942

Delta R.T. -0.01 min

Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

Instrument :

BNA\_F

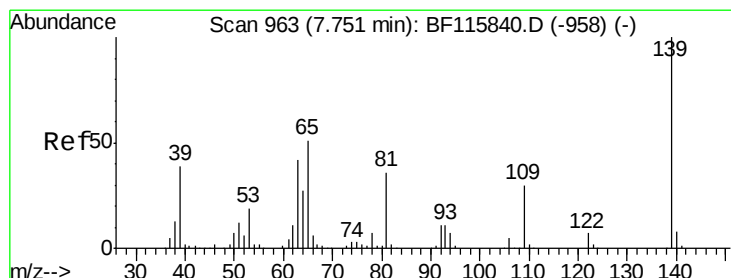
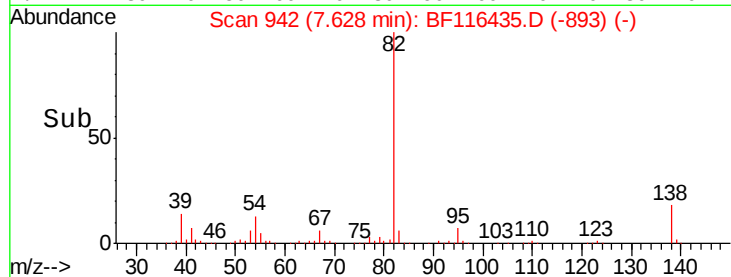
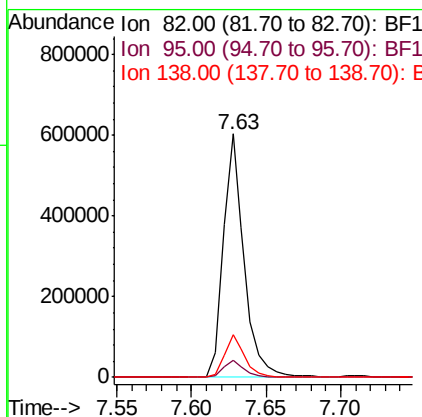
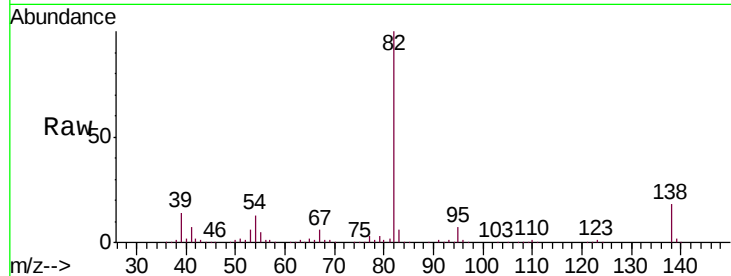
ClientSampleId :

SS-18\_081519MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 592388 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 6.8   | 5.4   | 8.0    |
| 138       | 17.5  | 14.5  | 21.7   |

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#26

2-Nitrophenol

Concen: 44.670 ng

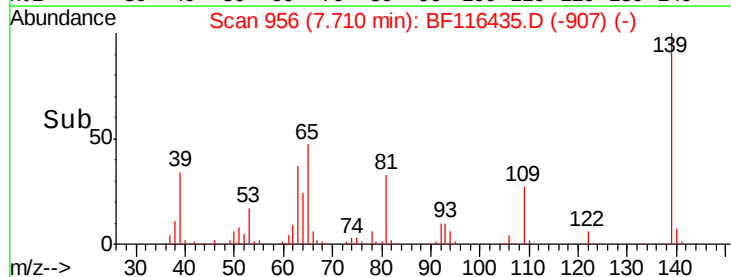
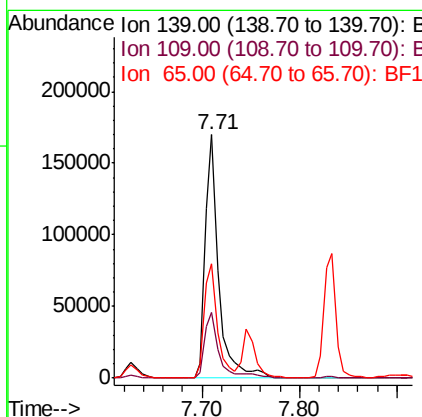
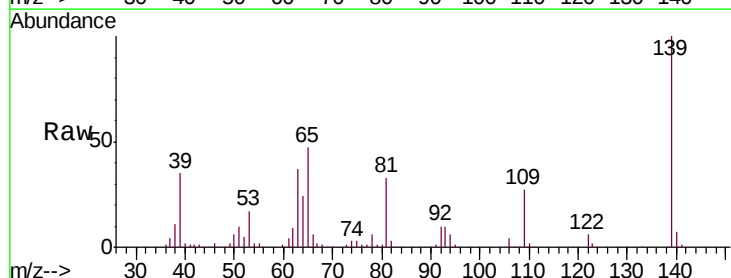
RT: 7.71 min Scan# 956

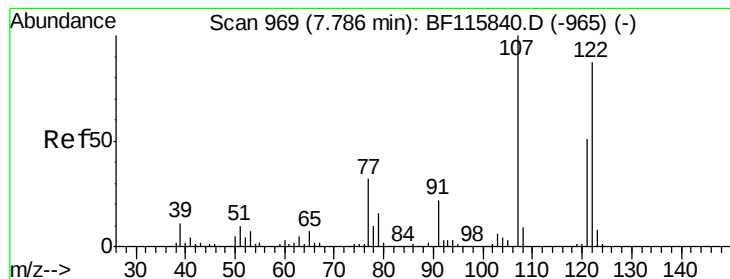
Delta R.T. -0.01 min

Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 163253 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 26.9  | 23.4  | 35.2   |
| 65        | 47.2  | 41.1  | 61.7   |





#27

2,4-Dimethylphenol

Concen: 48.242 ng

RT: 7.75 min Scan# 962

Delta R.T. -0.01 min

Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

Instrument :

BNA\_F

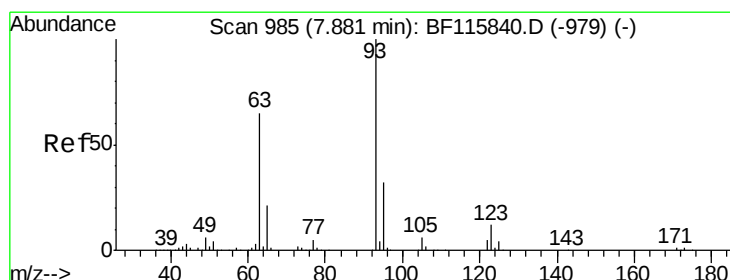
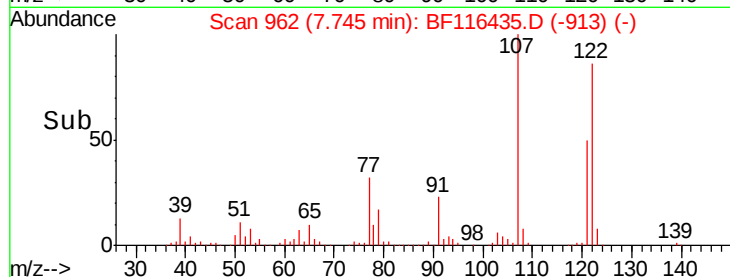
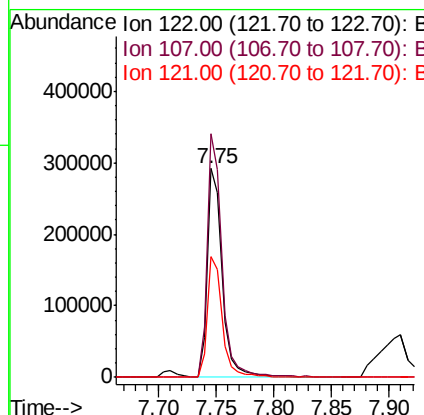
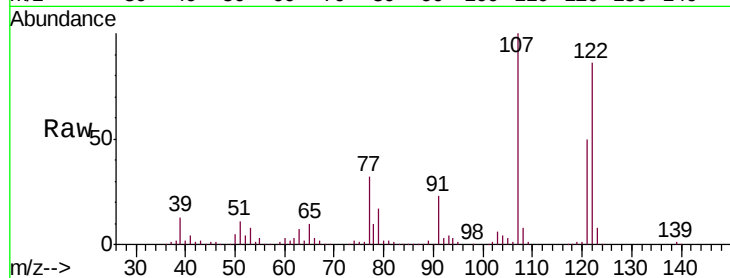
ClientSampleId :

SS-18\_081519MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 122   | Resp: | 265254 |
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 107       | 116.7 | 93.0  | 139.6  |
| 121       | 58.1  | 47.6  | 71.4   |

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#28

bis(2-Chloroethoxy)methane

Concen: 42.308 ng

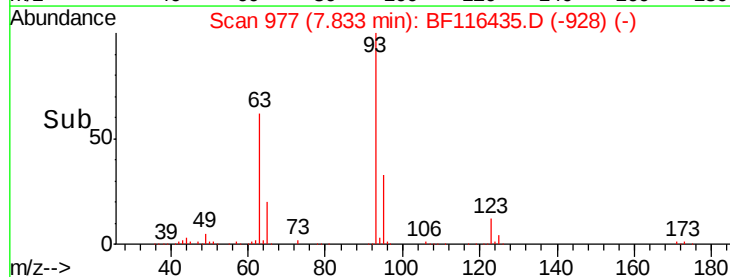
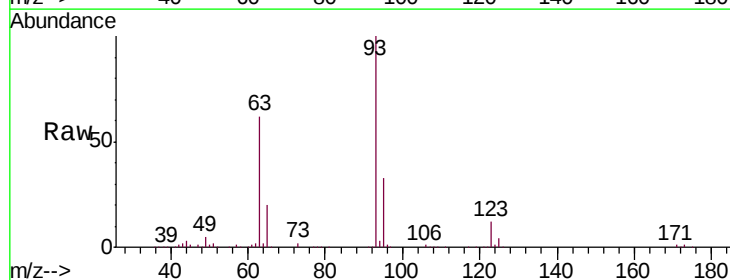
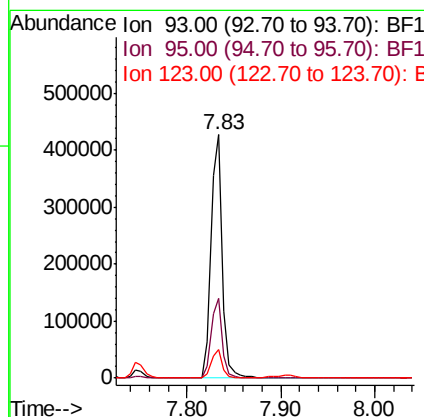
RT: 7.83 min Scan# 977

Delta R.T. -0.01 min

Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 360047 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 95        | 32.8  | 26.2  | 39.4   |
| 123       | 11.7  | 9.2   | 13.8   |





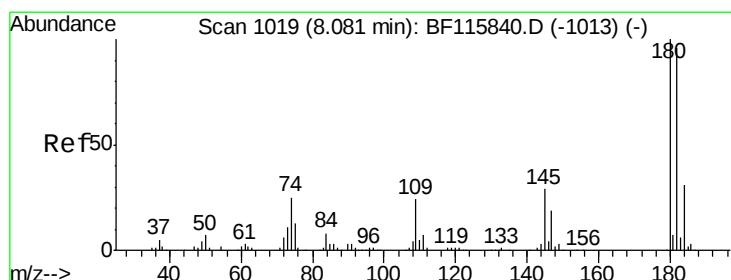
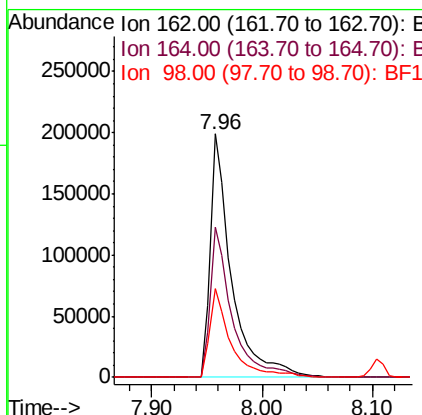
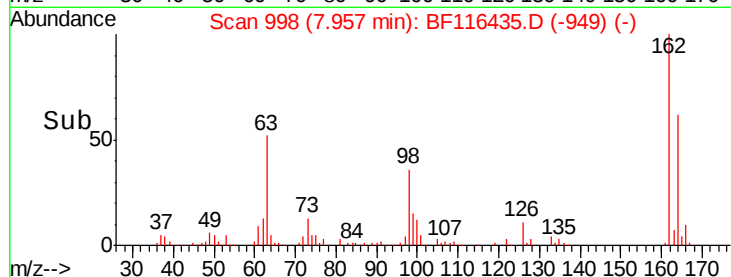
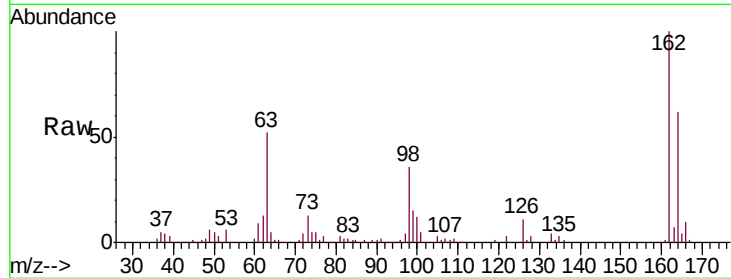
#29  
 2,4-Dichlorophenol  
 Concen: 44.876 ng  
 RT: 7.96 min Scan# 998  
 Delta R.T. -0.01 min  
 Lab File: BF116435.D  
 Acq: 20 Aug 2019 15:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-18\_081519MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 162     | 100  |       | 260531 |       |       |
| 164     | 61.9 | 45.1  | 85.1   |       |       |
| 98      | 36.4 | 15.8  | 55.8   |       |       |

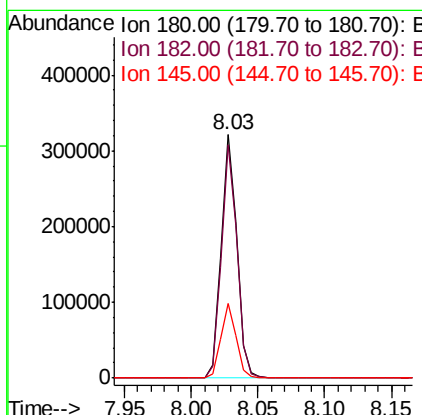
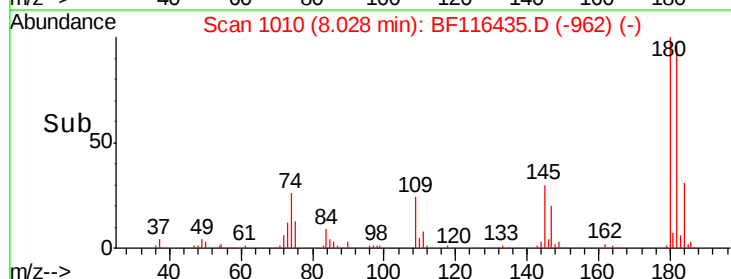
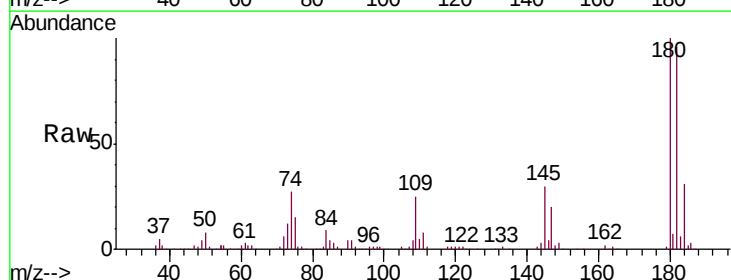
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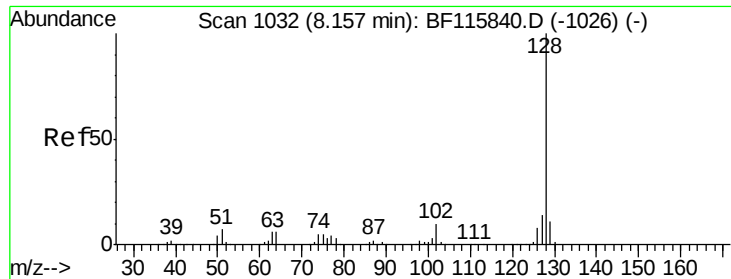
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#30  
 1,2,4-Trichlorobenzene  
 Concen: 40.612 ng  
 RT: 8.03 min Scan# 1010  
 Delta R.T. -0.02 min  
 Lab File: BF116435.D  
 Acq: 20 Aug 2019 15:50

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 180     | 100  |       | 268764 |       |       |
| 182     | 95.8 | 75.7  | 113.5  |       |       |
| 145     | 30.4 | 24.3  | 36.5   |       |       |





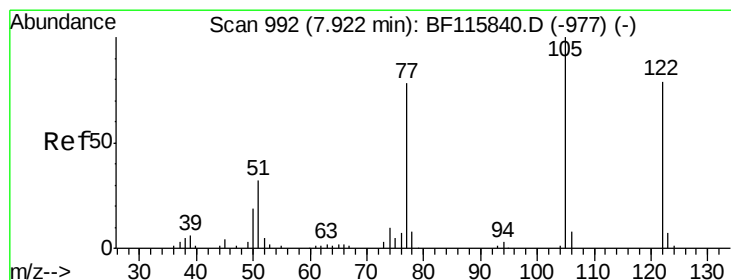
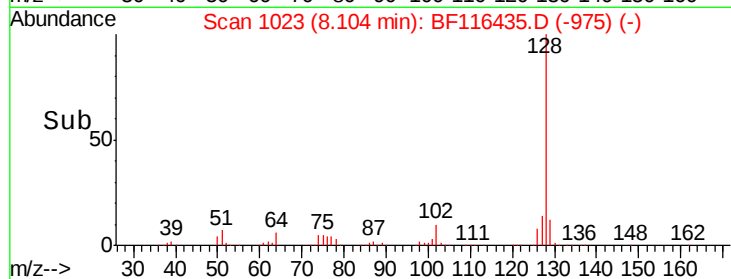
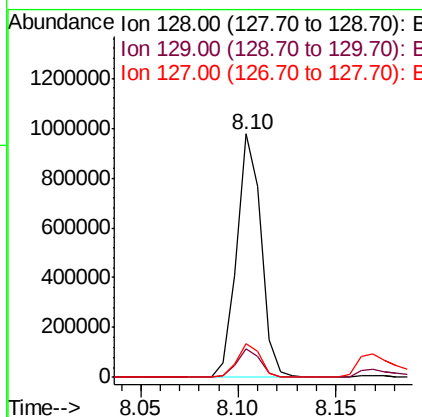
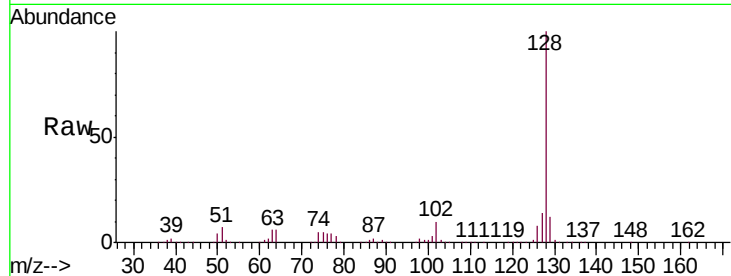
#31  
Naphthalene  
Concen: 43.466 ng  
RT: 8.10 min Scan# 1023  
Delta R.T. -0.02 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

Instrument :  
BNA\_F  
ClientSampleId :  
SS-18\_081519MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.6  | 9.3   | 13.9  |
| 127     | 13.8  | 11.4  | 17.0  |

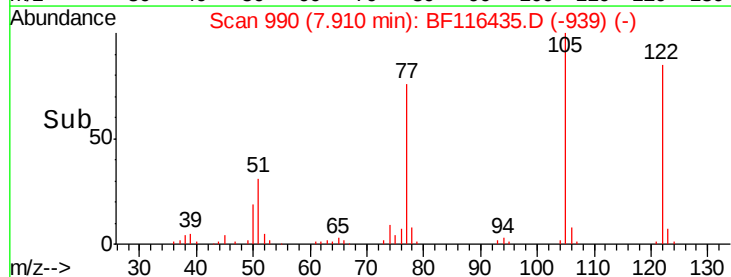
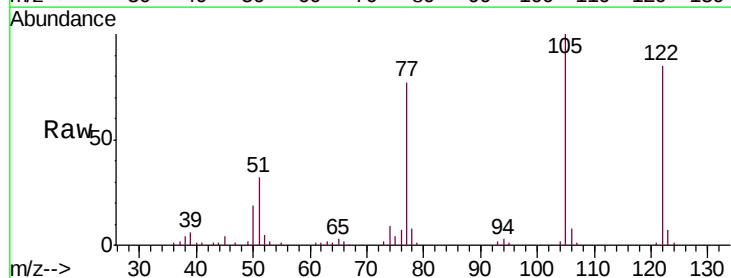
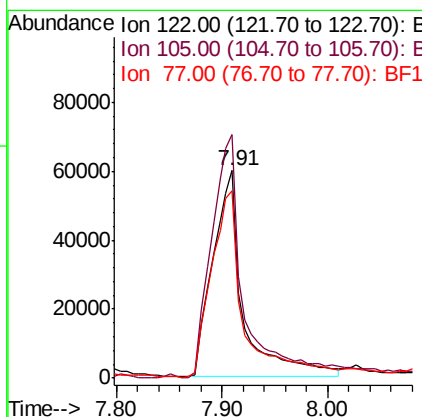
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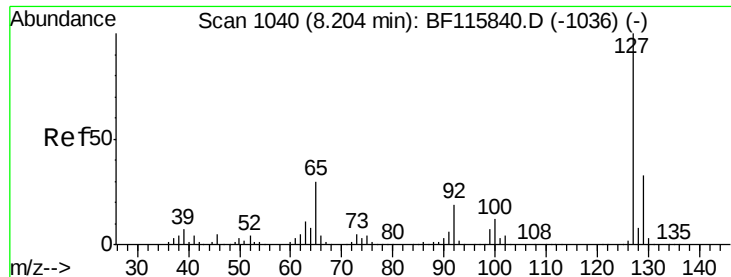
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#32  
Benzoic acid  
Concen: 31.242 ng  
RT: 7.91 min Scan# 990  
Delta R.T. 0.00 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 117.2 | 106.1 | 146.1 |
| 77      | 89.9  | 76.7  | 116.7 |





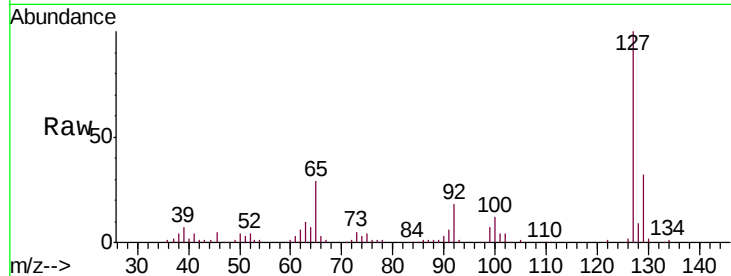
#33  
4-Chloroaniline  
Concen: 17.798 ng  
RT: 8.17 min Scan# 1034  
Delta R.T. -0.01 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

Instrument :  
BNA\_F  
ClientSampleId :  
SS-18\_081519MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 127     | 100  |       | 155102 |       |       |
| 129     | 32.2 | 26.1  | 39.1   |       |       |
| 65      | 28.6 | 24.9  | 37.3   |       |       |
| 92      | 18.3 | 15.7  | 23.5   |       |       |

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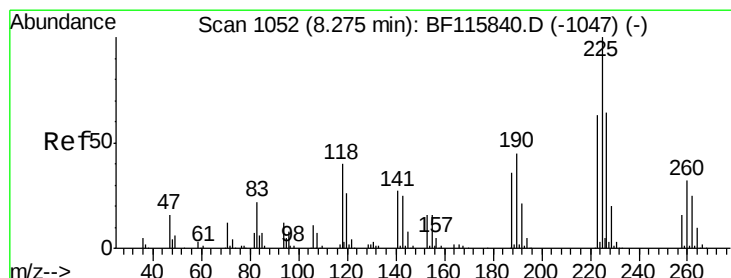
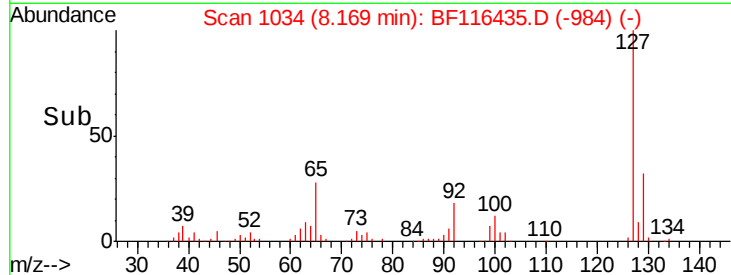
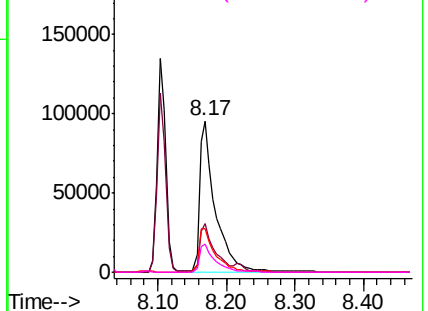
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

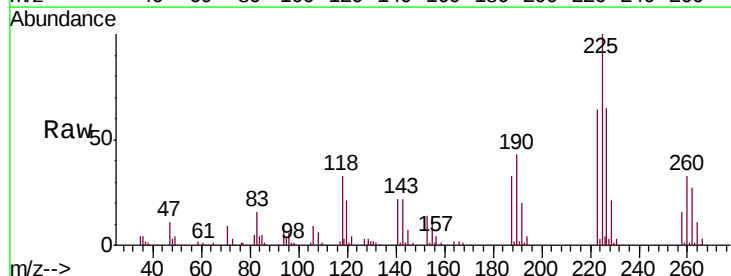
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34  
Hexachlorobutadiene  
Concen: 39.826 ng  
RT: 8.22 min Scan# 1043  
Delta R.T. -0.01 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 225     | 100  |       | 151810 |       |       |
| 223     | 63.7 | 50.0  | 75.0   |       |       |
| 227     | 64.6 | 51.0  | 76.4   |       |       |

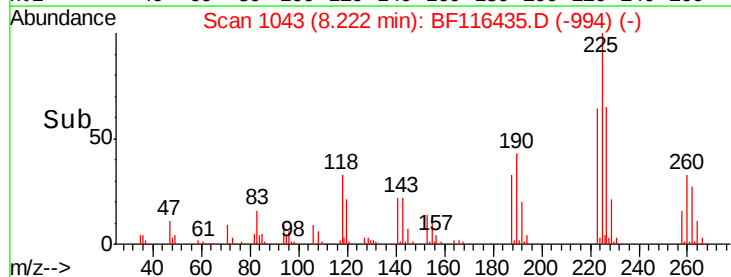
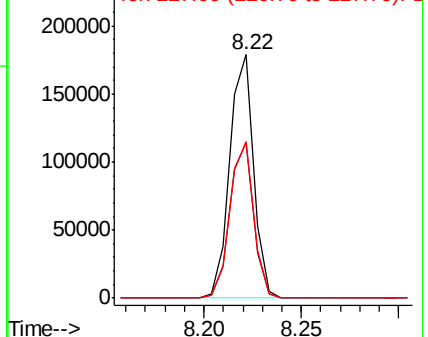


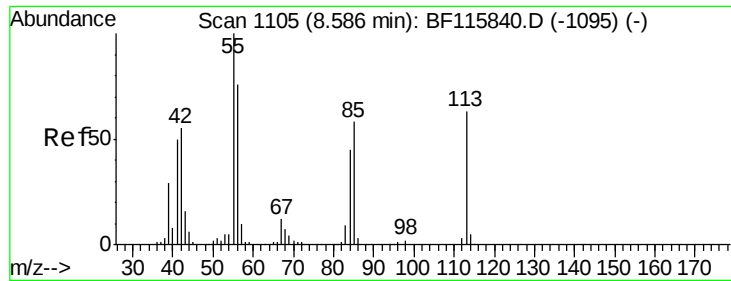
Abundance

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





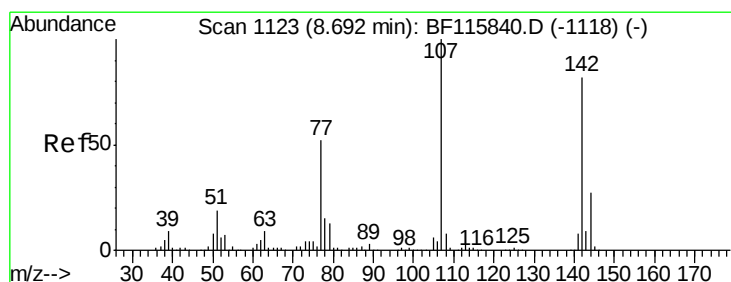
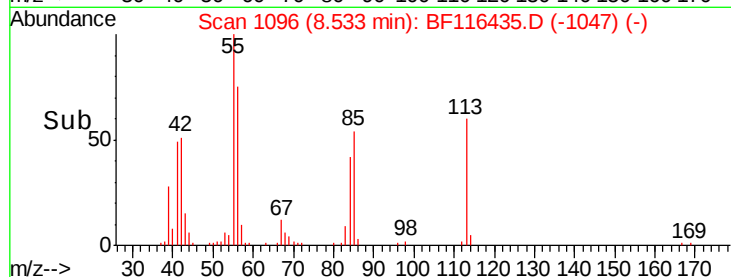
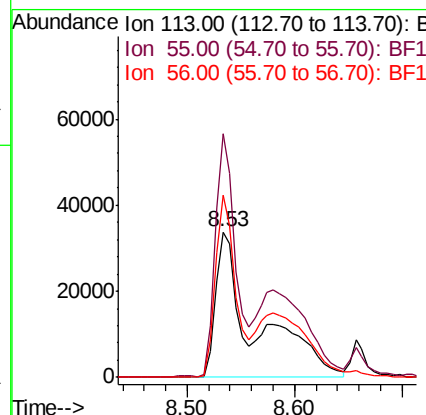
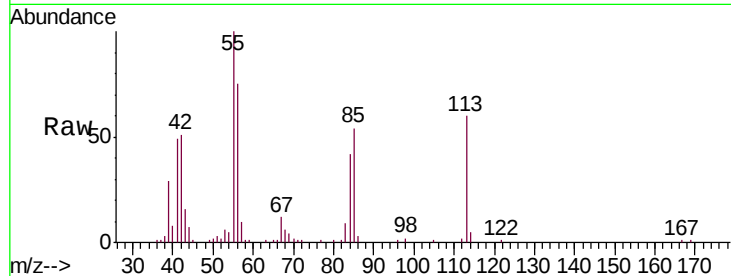
#35  
Caprolactam  
Concen: 45.234 ng/ml  
RT: 8.53 min Scan# 1096  
Delta R.T. -0.01 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

Instrument :  
BNA\_F  
ClientSampleId :  
SS-18\_081519MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 55      | 167.7 | 144.3 | 184.3 |
| 56      | 125.4 | 97.1  | 137.1 |

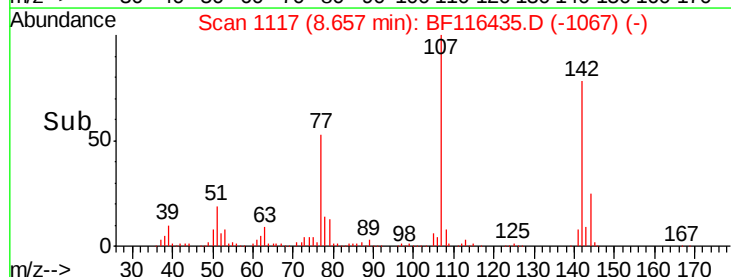
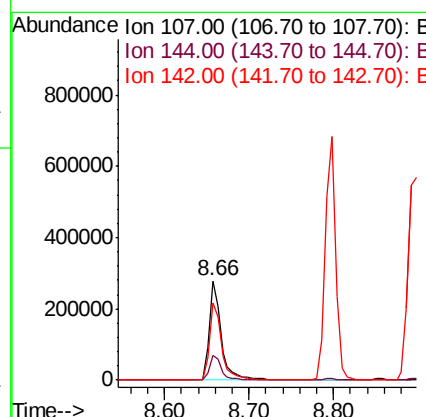
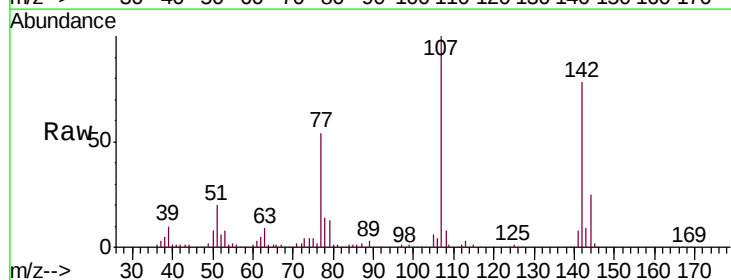
Manual Integrations  
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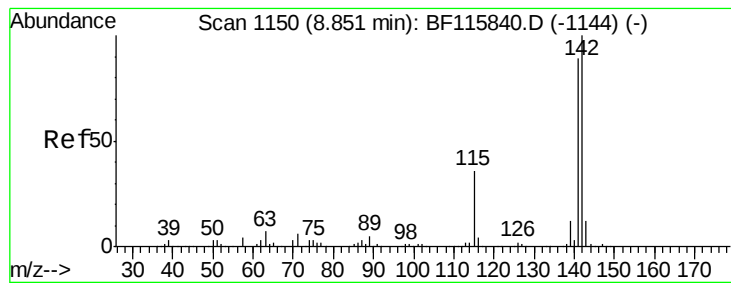
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#36  
4-Chloro-3-methylphenol  
Concen: 45.490 ng/ml  
RT: 8.66 min Scan# 1117  
Delta R.T. -0.01 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 24.9  | 20.2  | 30.2  |
| 142     | 77.8  | 61.7  | 92.5  |





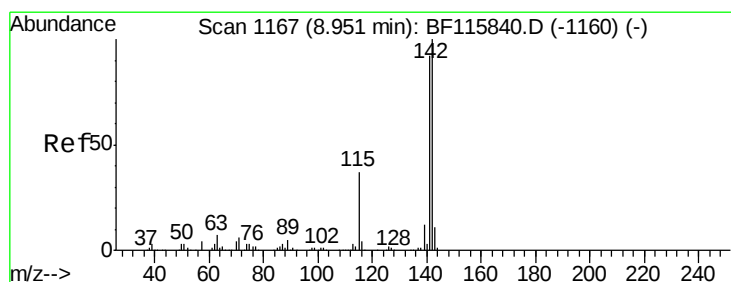
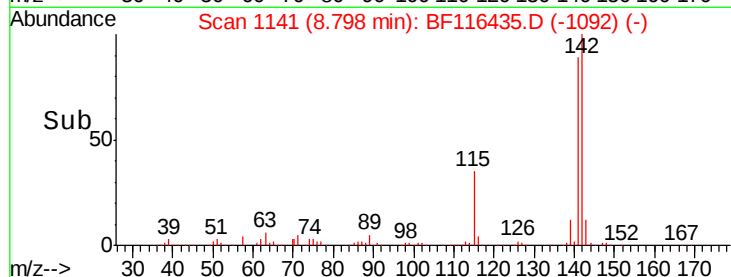
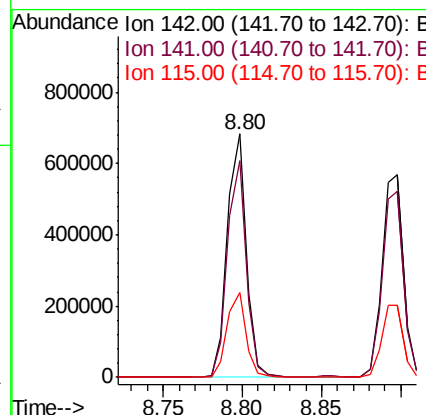
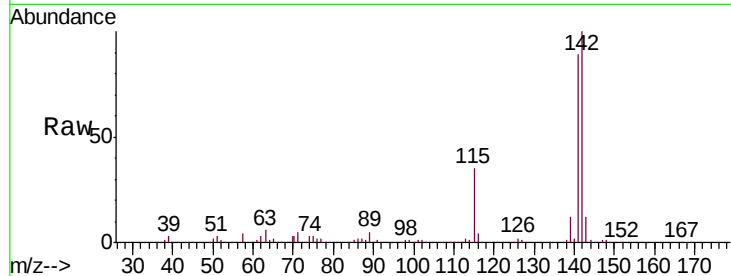
#37  
2-Methylnaphthalene  
Concen: 43.970 ng  
RT: 8.80 min Scan# 1141  
Delta R.T. -0.01 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

Instrument :  
BNA\_F  
ClientSampleId :  
SS-18\_081519MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.2  | 70.9  | 106.3 |
| 115     | 34.9  | 29.0  | 43.6  |

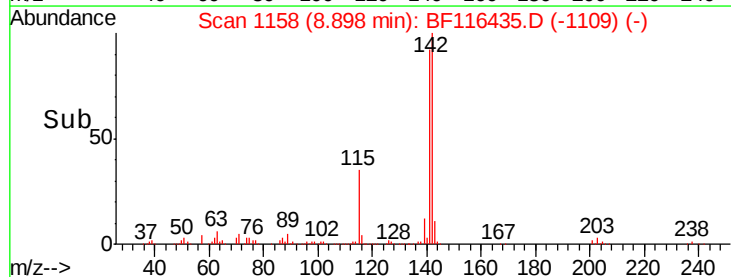
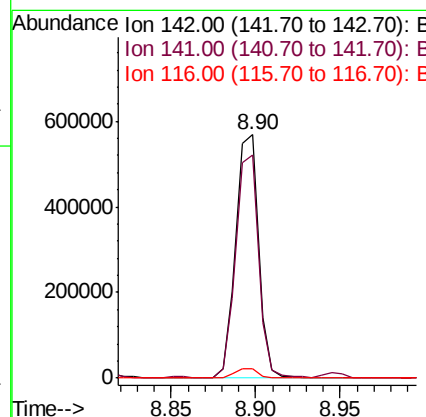
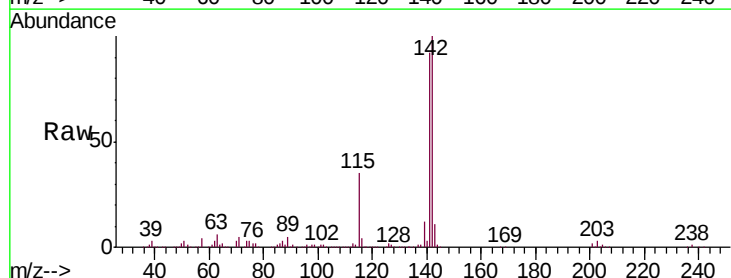
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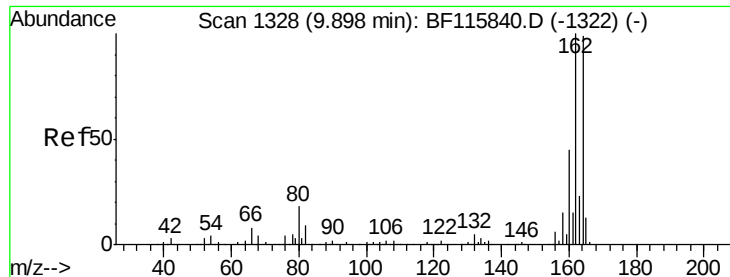
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#38  
1-Methylnaphthalene  
Concen: 43.844 ng  
RT: 8.90 min Scan# 1158  
Delta R.T. -0.01 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.9  | 74.4  | 111.6 |
| 116     | 3.8   | 3.1   | 4.7   |





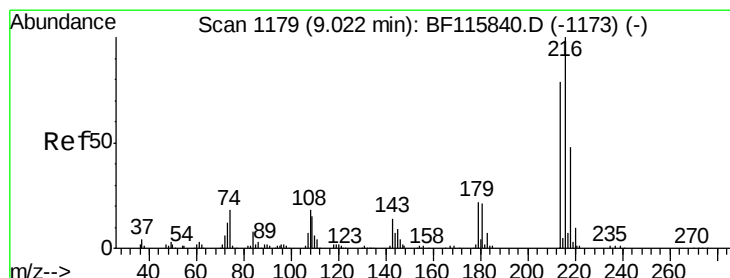
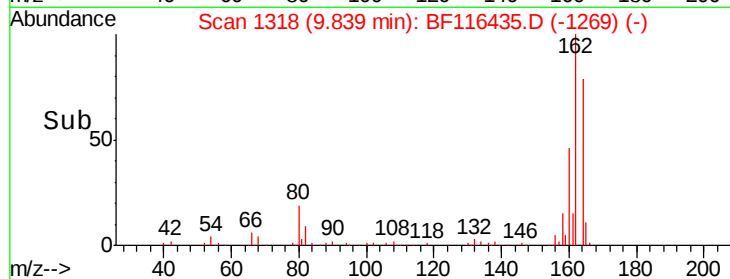
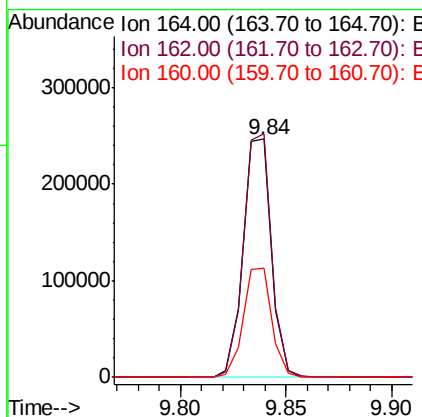
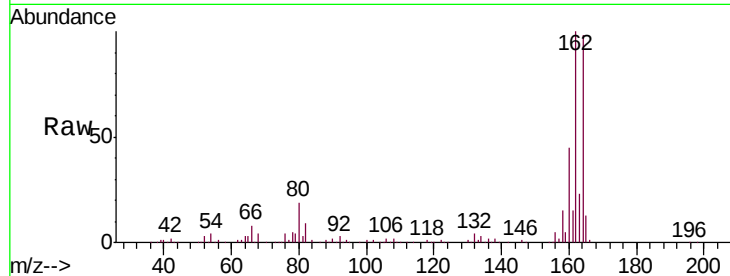
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.84 min Scan# 1318  
 Delta R.T. -0.01 min  
 Lab File: BF116435.D  
 Acq: 20 Aug 2019 15:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-18\_081519MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 162     | 102.1 | 82.6 | 124.0 |       |
| 160     | 46.0  | 37.6 | 56.4  |       |

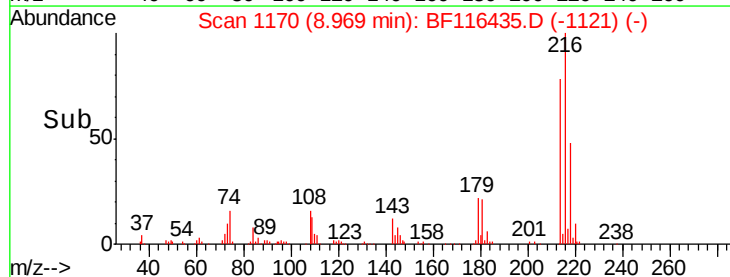
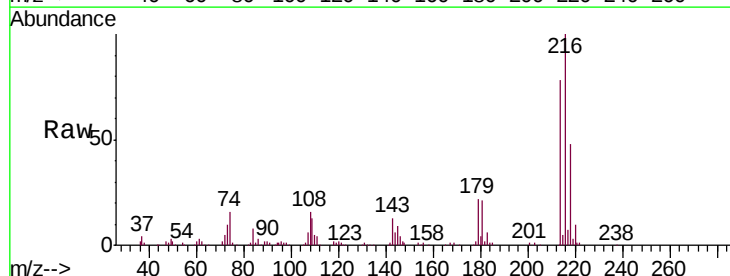
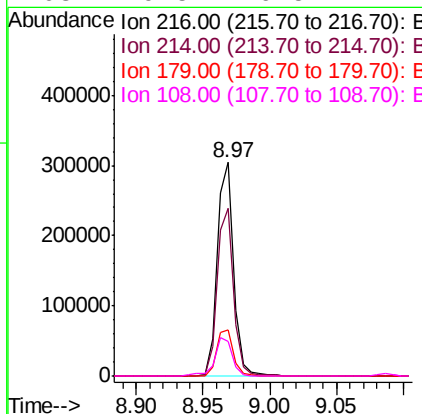
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#40  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 42.927 ng  
 RT: 8.97 min Scan# 1170  
 Delta R.T. -0.01 min  
 Lab File: BF116435.D  
 Acq: 20 Aug 2019 15:50

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 216     | 100   |      |       |       |
| 214     | 79.0  | 63.6 | 95.4  |       |
| 179     | 22.1  | 17.8 | 26.8  |       |
| 108     | 19.5  | 16.5 | 24.7  |       |





#41

Hexachlorocyclopentadiene

Concen: 30.659 ng

RT: 8.95 min Scan# 1166

Delta R.T. -0.02 min

Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

Instrument :

BNA\_F

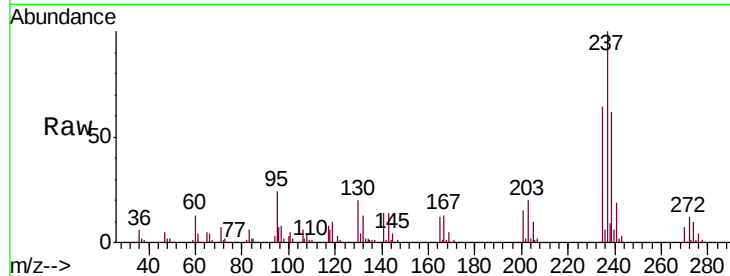
ClientSampleId :

SS-18\_081519MSD

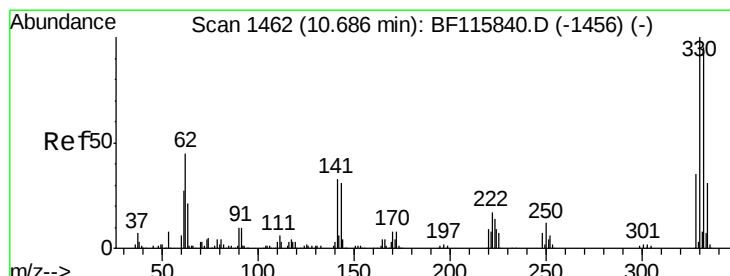
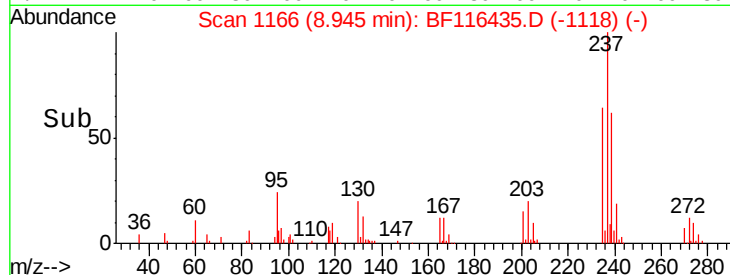
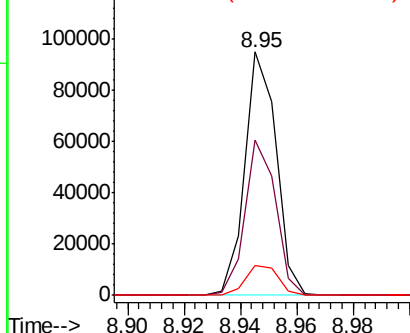
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 237   | Resp: | 73214 |
| Ion Ratio | Lower | Upper |       |
| 237       | 100   |       |       |
| 235       | 63.9  | 43.4  | 83.4  |
| 272       | 12.5  | 0.0   | 33.2  |

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



#42

2,4,6-Tribromophenol

Concen: 118.477 ng

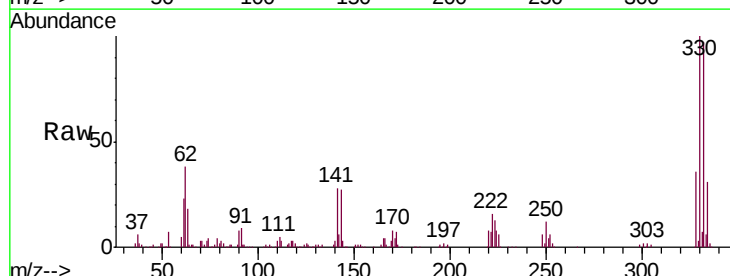
RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

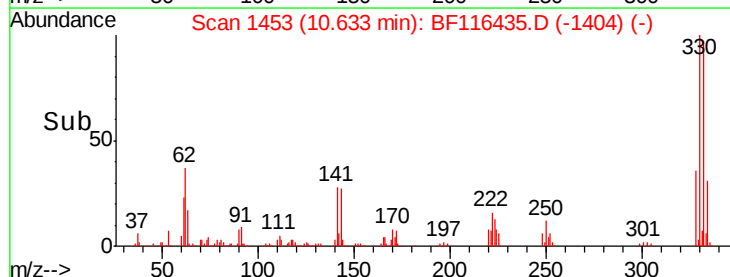
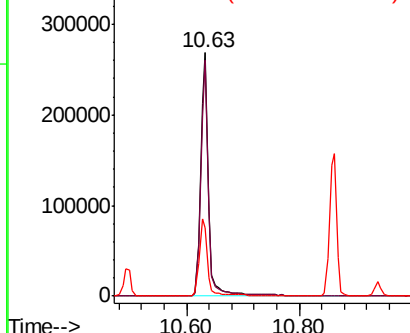
Lab File: BF116435.D

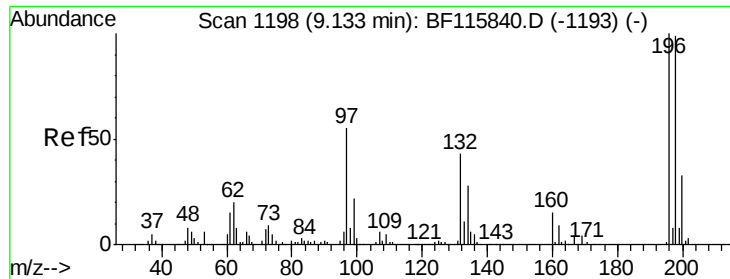
Acq: 20 Aug 2019 15:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 262301 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 94.1  | 76.8  | 115.2  |
| 141       | 32.3  | 26.3  | 39.5   |



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





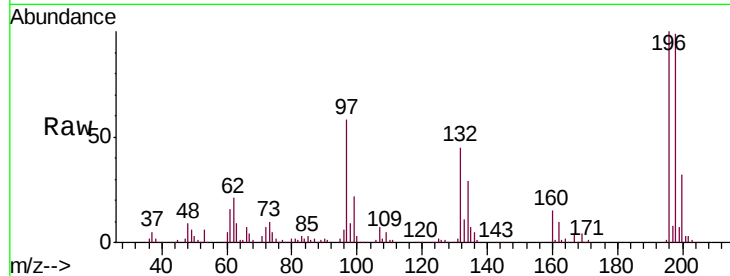
#43  
 2,4,6-Trichlorophenol  
 Concen: 38.346 ng  
 RT: 9.09 min Scan# 1190  
 Delta R.T. -0.01 min  
 Lab File: BF116435.D  
 Acq: 20 Aug 2019 15:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-18\_081519MSD

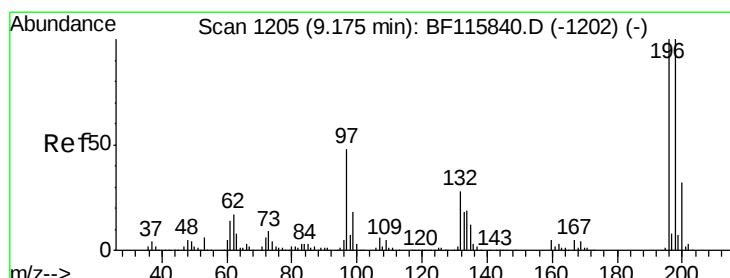
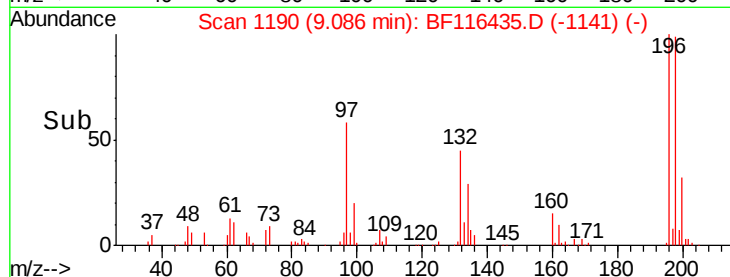
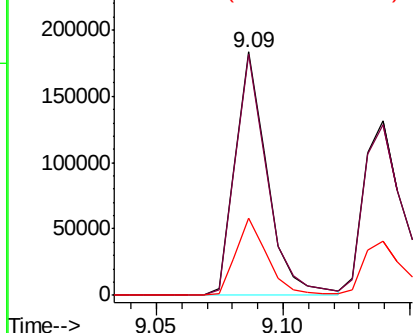
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 161129 |       |       |
| 198     | 99.1  | 79.2   | 118.8 |       |
| 200     | 31.9  | 25.2   | 37.8  |       |

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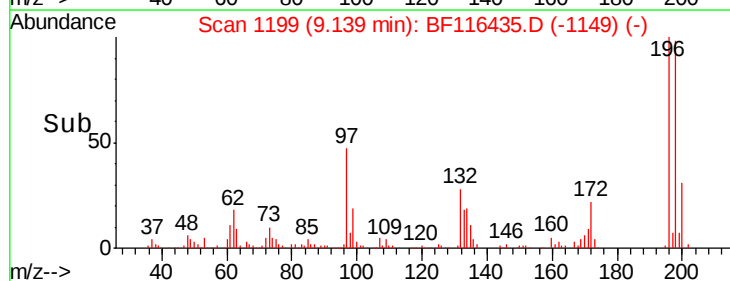
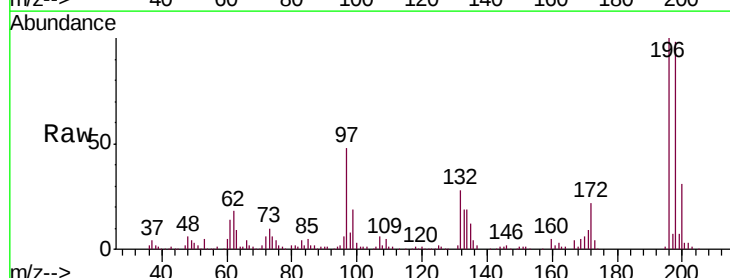
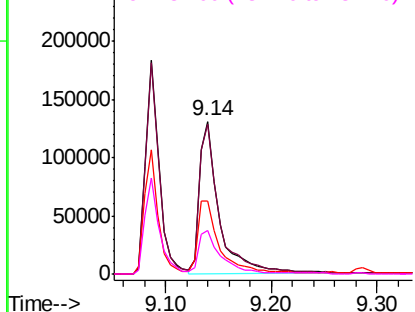
Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E



#44  
 2,4,5-Trichlorophenol  
 Concen: 38.423 ng  
 RT: 9.14 min Scan# 1199  
 Delta R.T. -0.01 min  
 Lab File: BF116435.D  
 Acq: 20 Aug 2019 15:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 166893 |       |       |
| 198     | 97.7  | 78.8   | 118.2 |       |
| 97      | 47.9  | 42.2   | 63.4  |       |
| 132     | 28.3  | 24.0   | 36.0  |       |

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





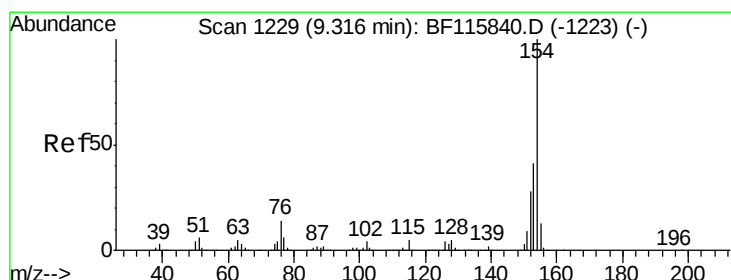
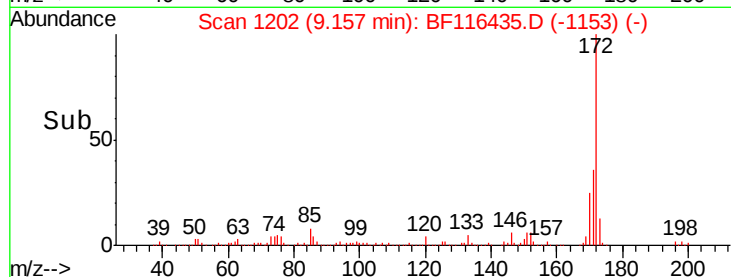
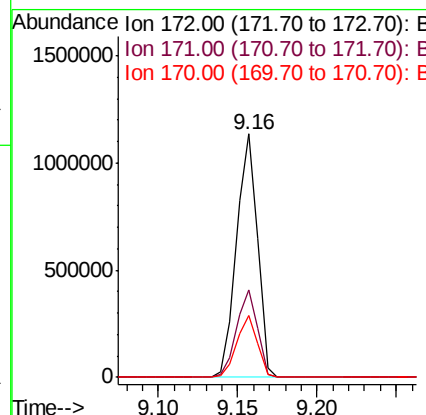
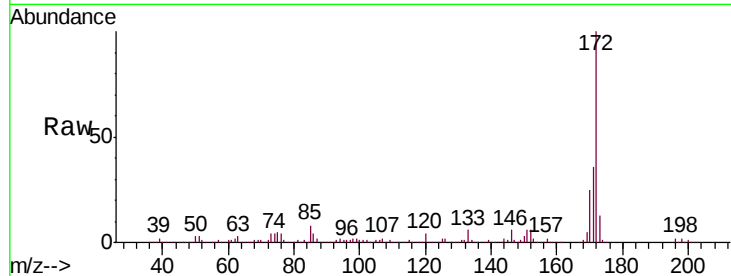
#45  
2-Fluorobiphenyl  
Concen: 85.550 ng  
RT: 9.16 min Scan# 1202  
Delta R.T. -0.01 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

Instrument :  
BNA\_F  
ClientSampleId :  
SS-18\_081519MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 29.6  | 44.4  |
| 170     | 25.3  | 20.1  | 30.1  |

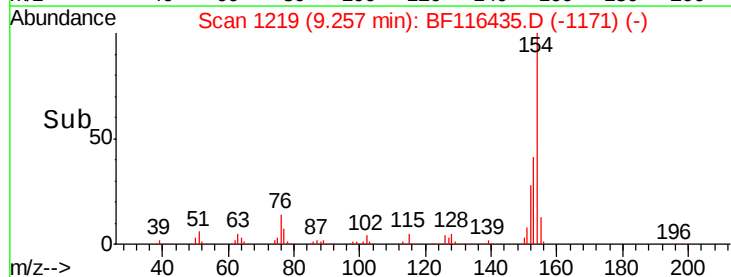
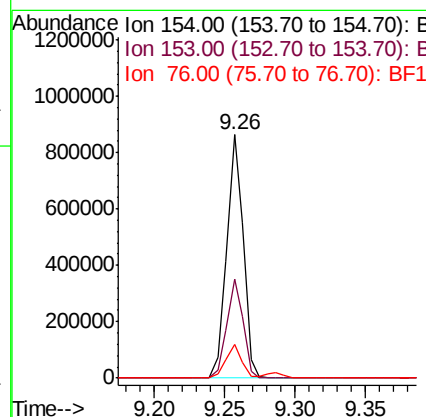
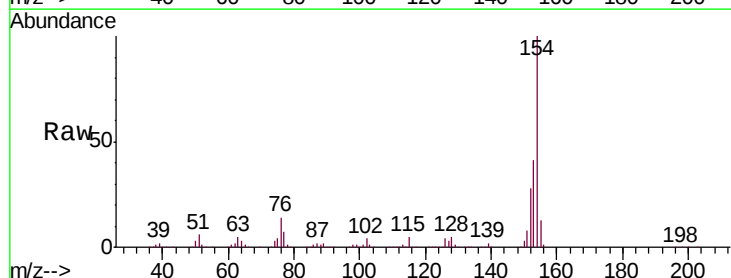
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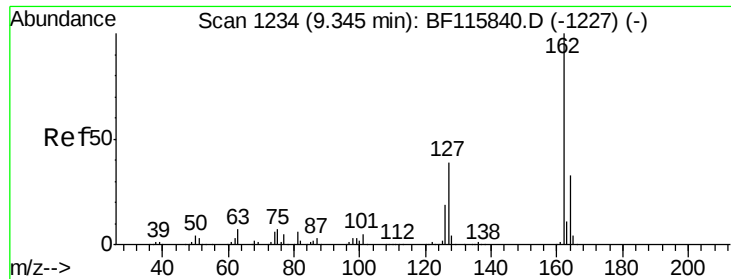
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#46  
1,1'-Biphenyl  
Concen: 43.571 ng  
RT: 9.26 min Scan# 1219  
Delta R.T. -0.02 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 40.7  | 21.4  | 61.4  |
| 76      | 14.1  | 0.0   | 35.2  |





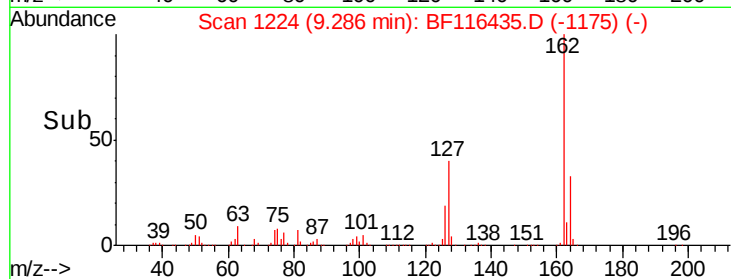
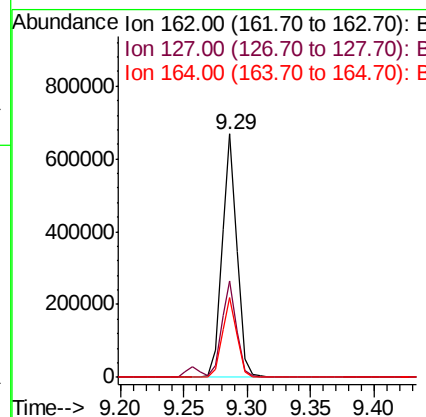
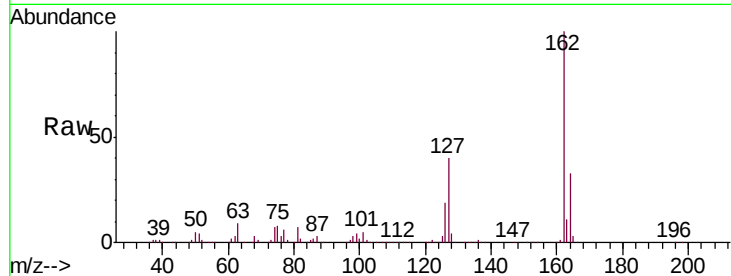
#47  
 2-Chloronaphthalene  
 Concen: 41.270 ng  
 RT: 9.29 min Scan# 1224  
 Delta R.T. -0.01 min  
 Lab File: BF116435.D  
 Acq: 20 Aug 2019 15:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-18\_081519MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 553757 |       |       |
| 127     | 39.8  |        | 32.8  | 49.2  |
| 164     | 32.8  |        | 26.6  | 39.8  |

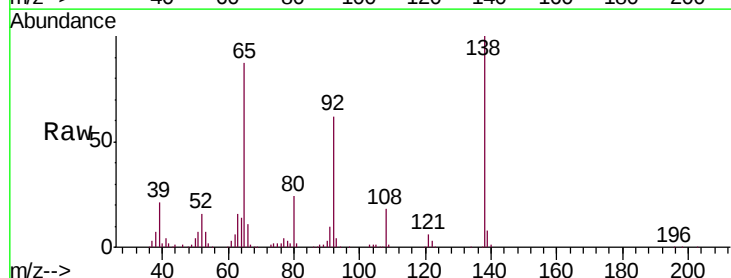
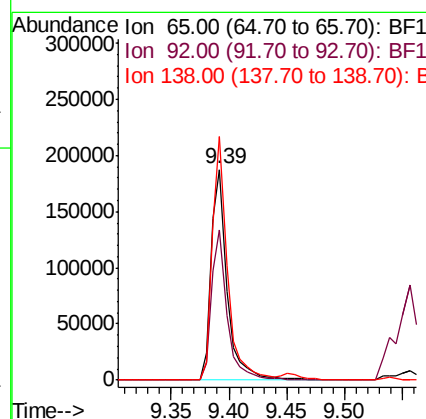
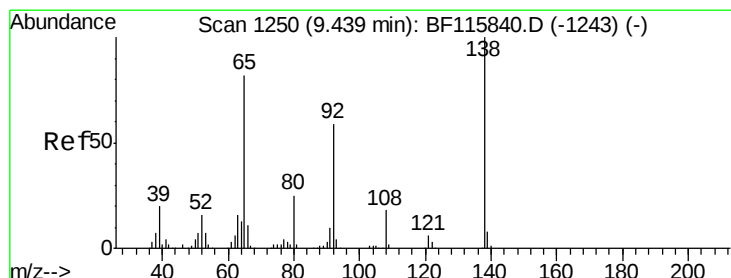
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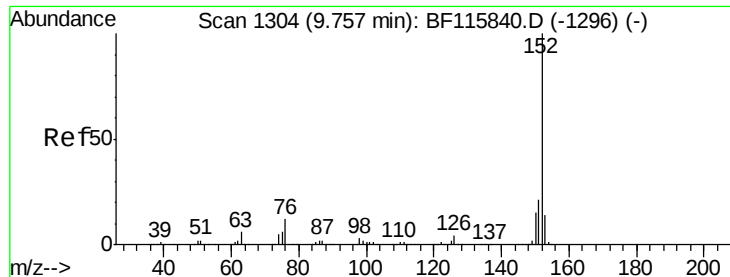
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#48  
 2-Nitroaniline  
 Concen: 40.904 ng  
 RT: 9.39 min Scan# 1242  
 Delta R.T. -0.01 min  
 Lab File: BF116435.D  
 Acq: 20 Aug 2019 15:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 181413 |       |       |
| 92      | 71.5  |        | 57.8  | 86.8  |
| 138     | 115.5 |        | 94.0  | 141.0 |





#49

Acenaphthylene

Concen: 42.900 ng

RT: 9.70 min Scan# 1294

Delta R.T. -0.02 min

Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

Instrument :

BNA\_F

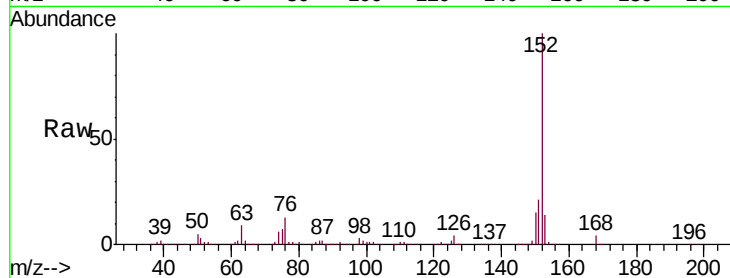
ClientSampleId :

SS-18\_081519MSD

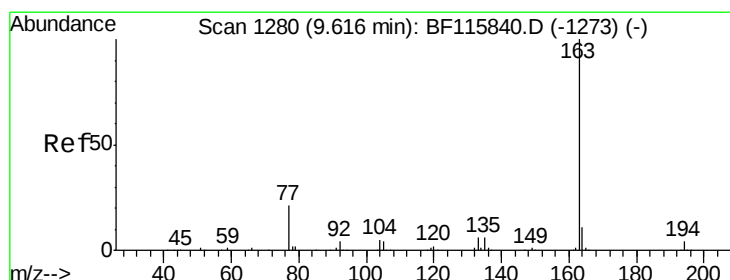
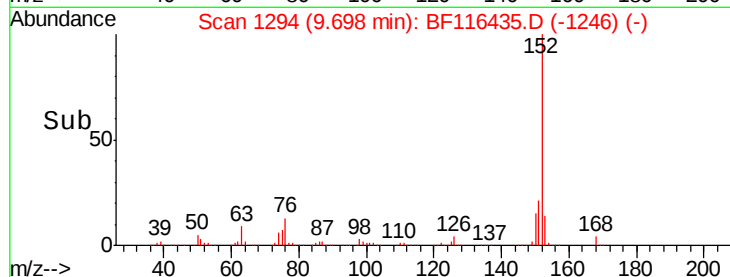
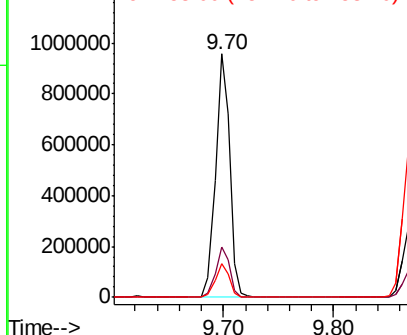
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 839786 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 20.7  | 17.2  | 25.8   |
| 153       | 14.0  | 11.8  | 17.8   |

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Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 47.810 ng

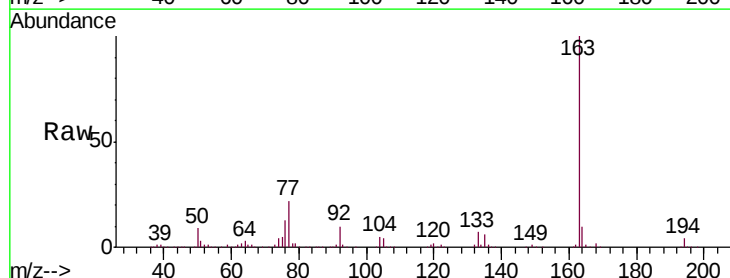
RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

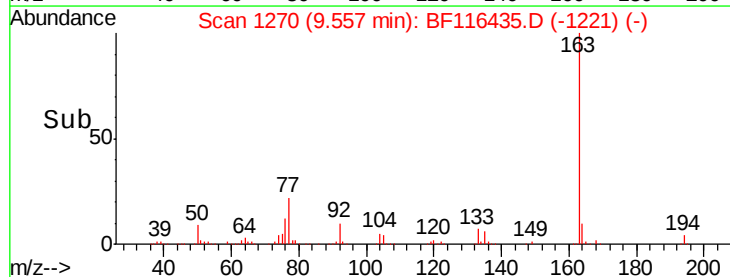
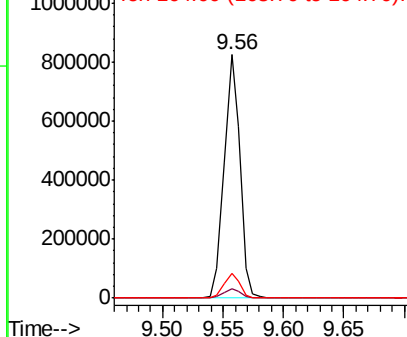
Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 743366 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 3.7   | 3.0   | 4.6    |
| 164       | 10.4  | 8.4   | 12.6   |



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





#51

2,6-Dinitrotoluene

Concen: 43.373 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

Instrument :

BNA\_F

ClientSampleId :

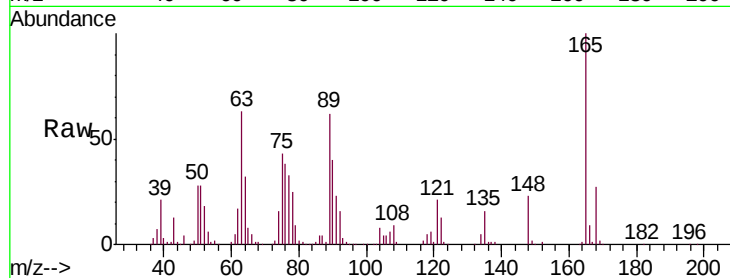
SS-18\_081519MSD

Tot Ion:165 Resp: 146553  
Ion Ratio Lower Upper

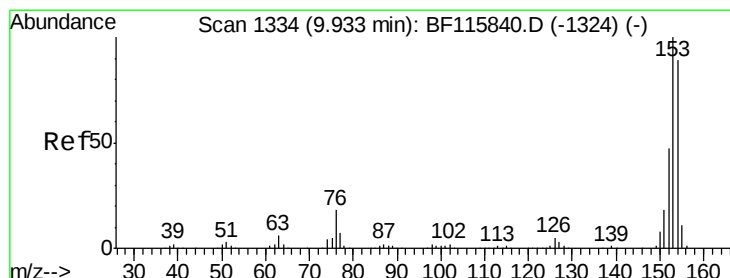
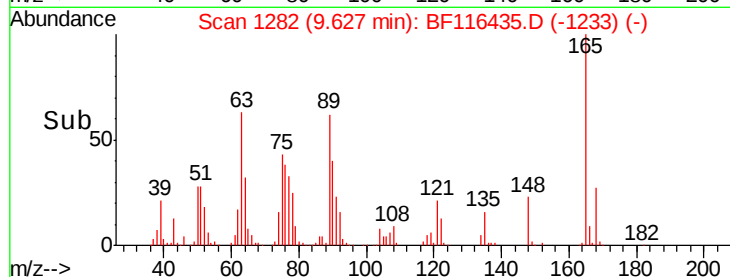
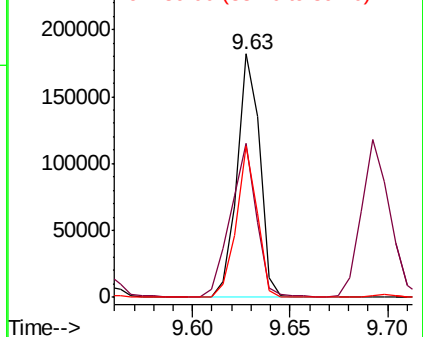
|     |      |      |       |
|-----|------|------|-------|
| 165 | 100  |      |       |
| 63  | 63.4 | 38.2 | 57.2# |
| 89  | 62.0 | 42.9 | 64.3  |

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



#52

Acenaphthene

Concen: 42.381 ng

RT: 9.87 min Scan# 1323

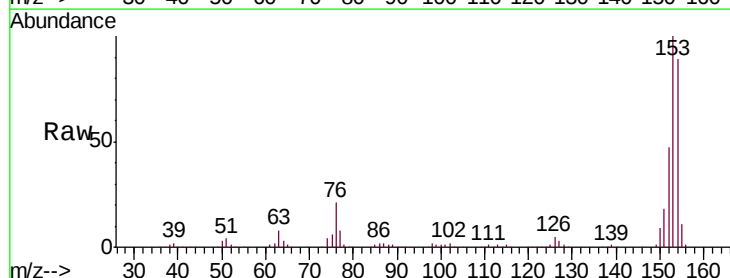
Delta R.T. -0.02 min

Lab File: BF116435.D

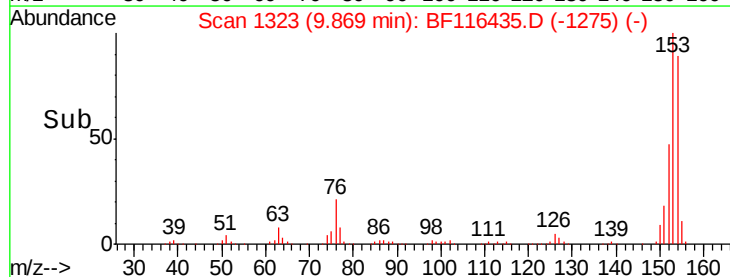
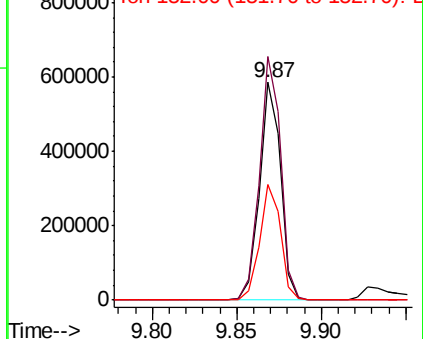
Acq: 20 Aug 2019 15:50

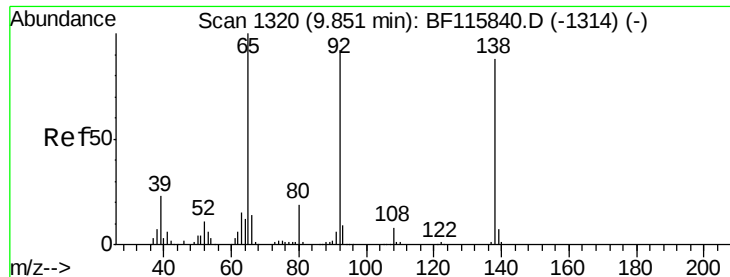
Tgt Ion:154 Resp: 508964  
Ion Ratio Lower Upper

|     |       |      |       |
|-----|-------|------|-------|
| 154 | 100   |      |       |
| 153 | 112.0 | 89.4 | 134.0 |
| 152 | 53.2  | 42.3 | 63.5  |



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E





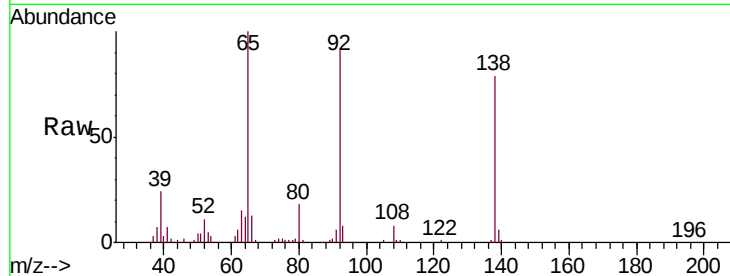
#53  
 3-Nitroaniline  
 Concen: 24.600 ng  
 RT: 9.80 min Scan# 1312  
 Delta R.T. -0.01 min  
 Lab File: BF116435.D  
 Acq: 20 Aug 2019 15:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-18\_081519MSD

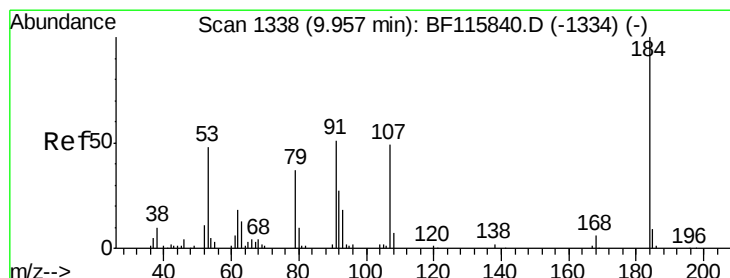
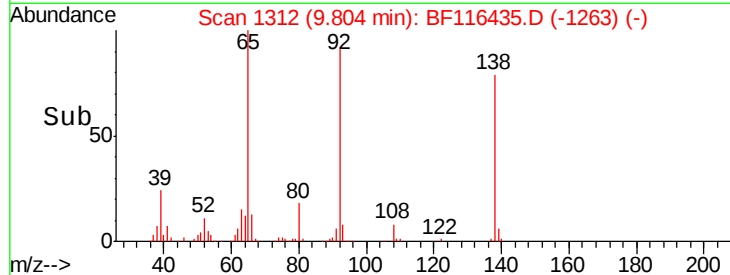
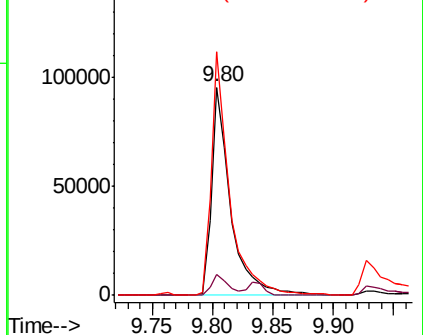
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 138     | 100   |      |       |       |
| 108     | 10.2  | 8.0  | 12.0  |       |
| 92      | 116.9 | 91.0 | 136.6 |       |

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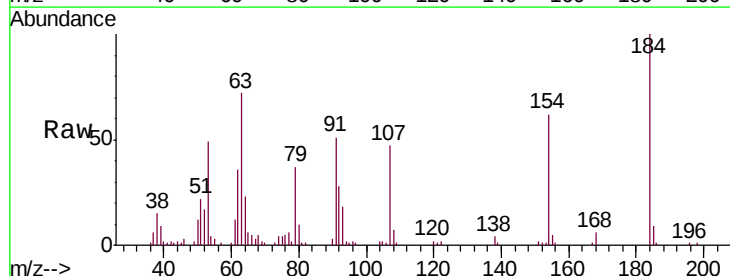


Abundance Ion 138.00 (137.70 to 138.70): E  
 150000 Ion 108.00 (107.70 to 108.70): E  
 Ion 92.00 (91.70 to 92.70): BF1

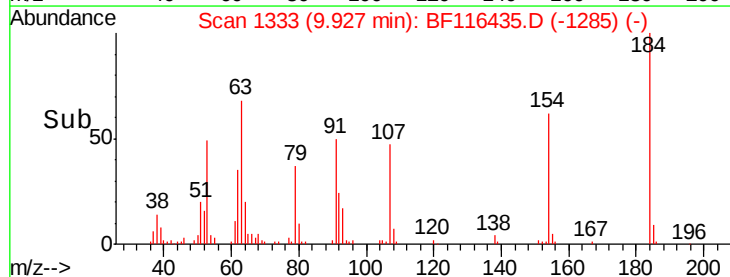
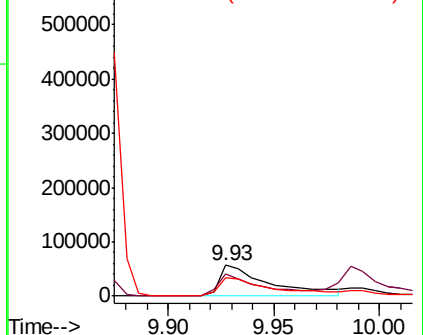


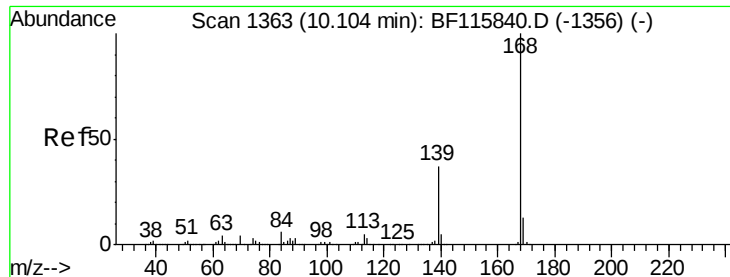
#54  
 2,4-Dinitrophenol  
 Concen: 57.915 ng  
 RT: 9.93 min Scan# 1333  
 Delta R.T. -0.02 min  
 Lab File: BF116435.D  
 Acq: 20 Aug 2019 15:50

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 184     | 100   |      |       |       |
| 63      | 71.9  | 53.0 | 79.4  |       |
| 154     | 61.7  | 50.1 | 75.1  |       |



Abundance Ion 184.00 (183.70 to 184.70): E  
 600000 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 154.00 (153.70 to 154.70): E





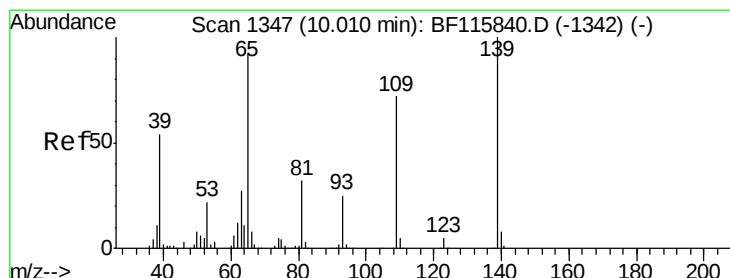
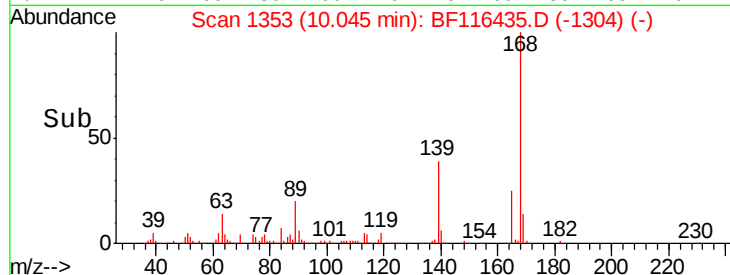
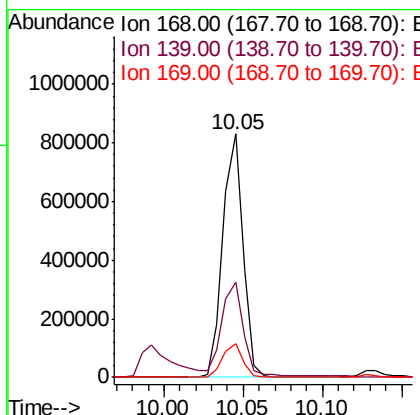
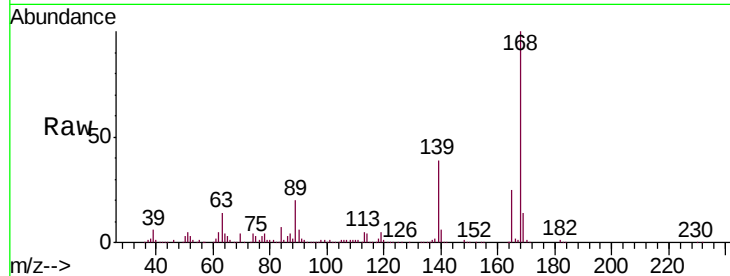
#55  
Dibenzofuran  
Concen: 41.847 ng  
RT: 10.05 min Scan# 1353  
Delta R.T. -0.01 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

Instrument :  
BNA\_F  
ClientSampleId :  
SS-18\_081519MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 39.3  | 31.4  | 47.2  |
| 169     | 13.6  | 10.9  | 16.3  |

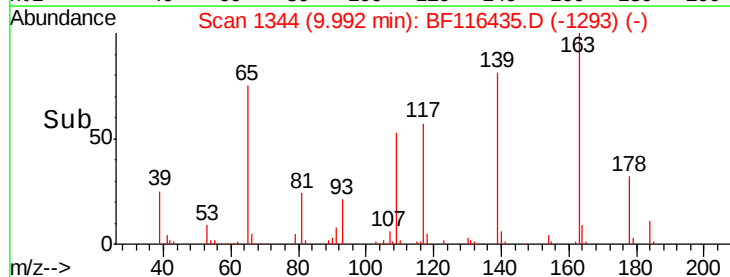
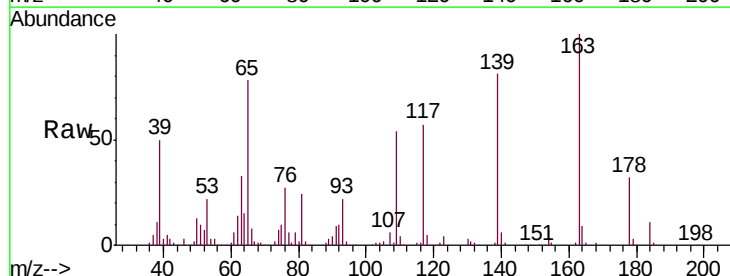
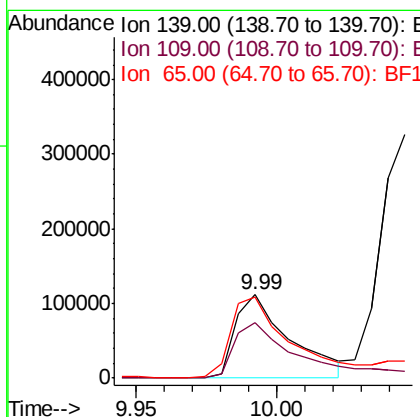
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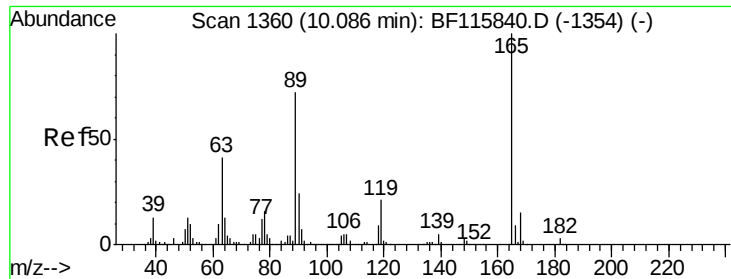
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#56  
4-Nitrophenol  
Concen: 56.219 ng  
RT: 9.99 min Scan# 1344  
Delta R.T. 0.00 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 67.2  | 54.4  | 94.4  |
| 65      | 97.2  | 80.6  | 120.6 |





#57

2,4-Dinitrotoluene

Concen: 41.439 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

Instrument :

BNA\_F

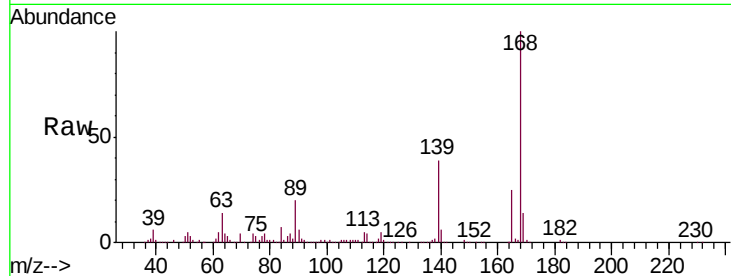
ClientSampleId :

SS-18\_081519MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 165     | 100  |       | 186425 |       |       |
| 63      | 56.7 | 39.6  | 59.4   |       |       |
| 89      | 80.1 | 62.2  | 93.2   |       |       |
| 182     | 2.4  | 2.1   | 3.1    |       |       |

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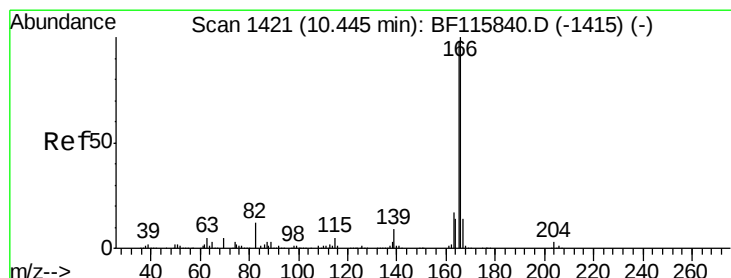
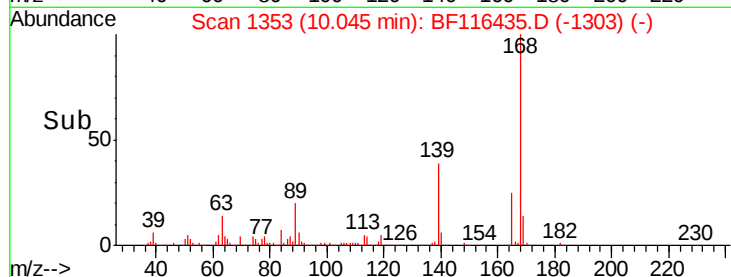
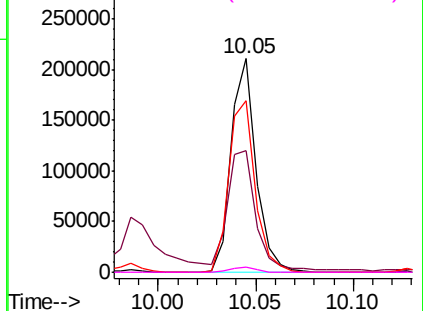


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 45.775 ng

RT: 10.39 min Scan# 1411

Delta R.T. -0.01 min

Lab File: BF116435.D

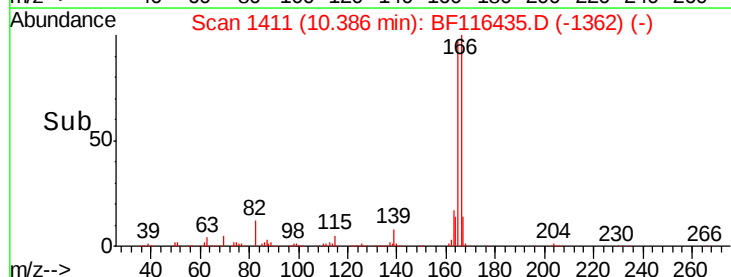
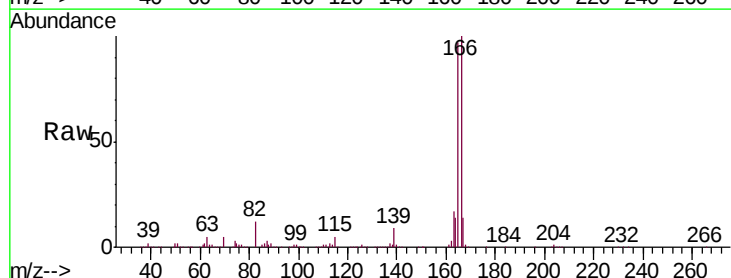
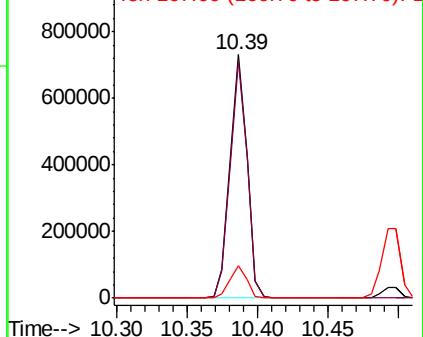
Acq: 20 Aug 2019 15:50

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 166     | 100  |       | 615072 |       |       |
| 165     | 97.2 | 78.4  | 117.6  |       |       |
| 167     | 13.6 | 11.0  | 16.4   |       |       |

Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#59

2,3,4,6-Tetrachlorophenol

Concen: 42.488 ng

RT: 10.17 min Scan# 1375

Delta R.T. -0.01 min

Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

Instrument :

BNA\_F

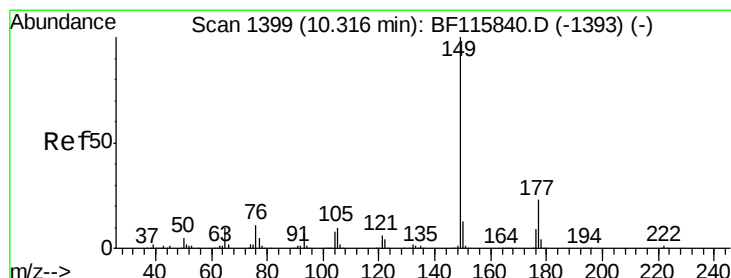
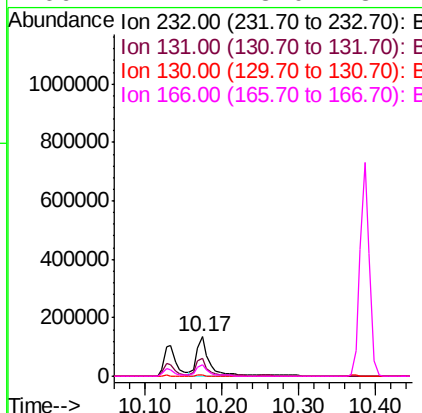
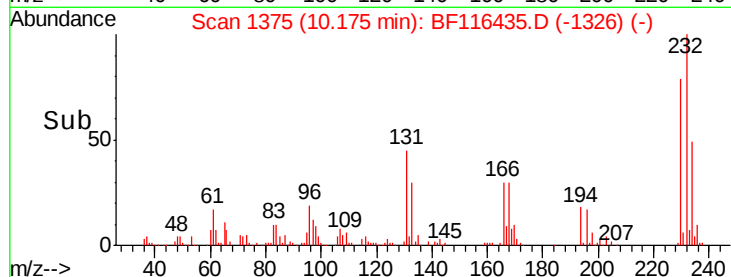
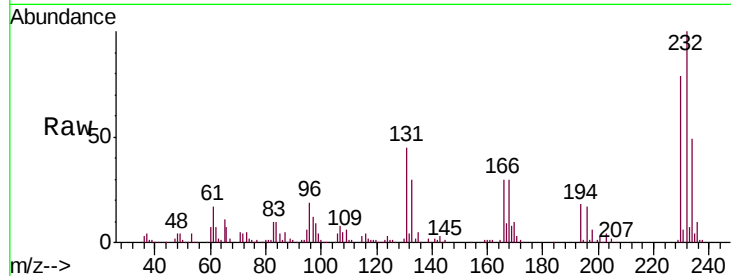
ClientSampleId :

SS-18\_081519MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 232     | 100  |       | 155266 |       |       |
| 131     | 42.1 | 36.2  | 54.2   |       |       |
| 130     | 2.3  | 1.9   | 2.9    |       |       |
| 166     | 27.4 | 23.0  | 34.4   |       |       |

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#60

Diethylphthalate

Concen: 44.960 ng

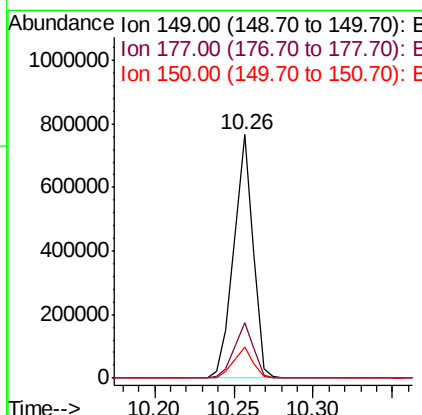
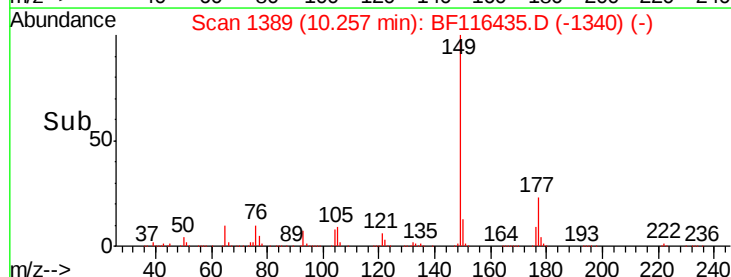
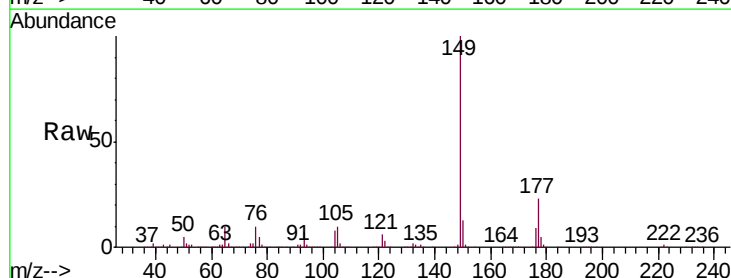
RT: 10.26 min Scan# 1389

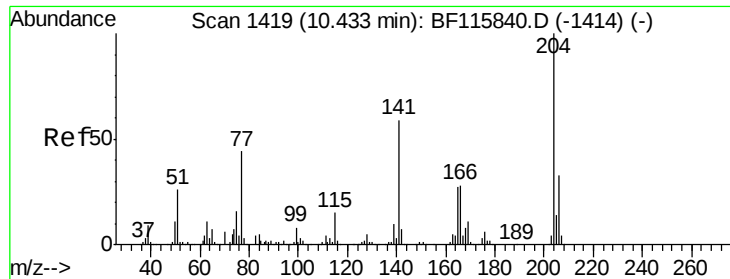
Delta R.T. -0.01 min

Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 149     | 100  |       | 652647 |       |       |
| 177     | 22.8 | 18.8  | 28.2   |       |       |
| 150     | 12.6 | 10.2  | 15.4   |       |       |





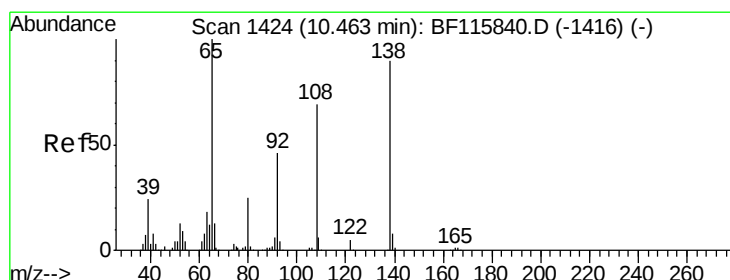
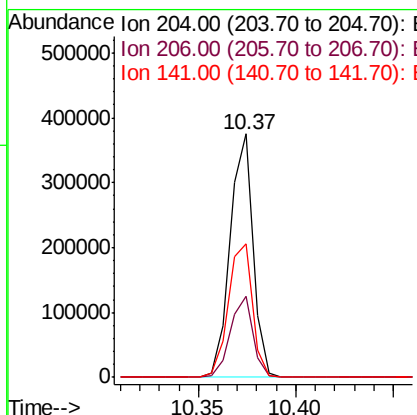
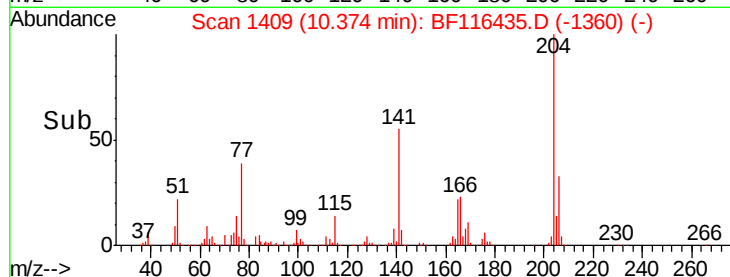
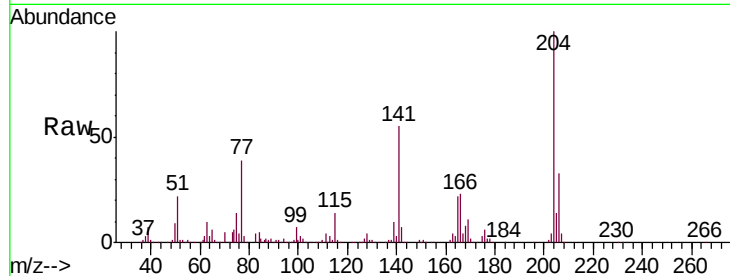
#61  
 4-Chlorophenyl-phenylether  
 Concen: 44.911 ng  
 RT: 10.37 min Scan# 1409  
 Delta R.T. -0.01 min  
 Lab File: BF116435.D  
 Acq: 20 Aug 2019 15:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-18\_081519MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 204   | Resp: | 305624 |
| Ion Ratio | Lower | Upper |        |
| 204       | 100   |       |        |
| 206       | 33.1  | 26.4  | 39.6   |
| 141       | 54.8  | 46.4  | 69.6   |

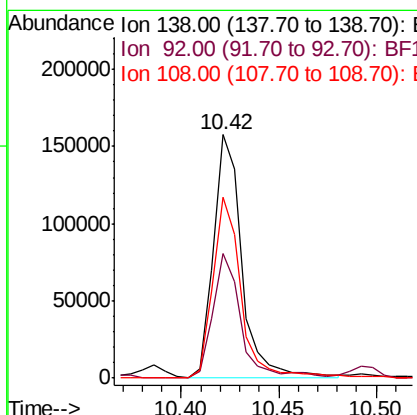
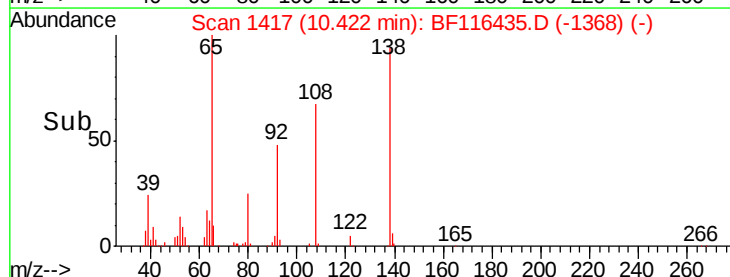
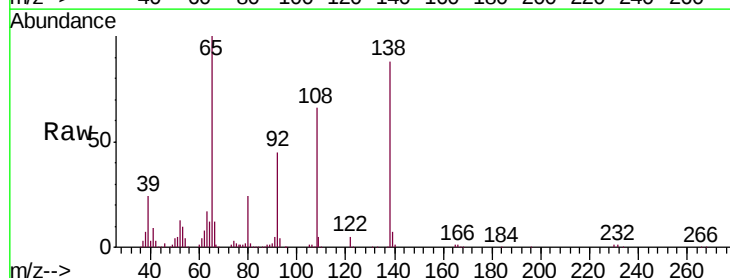
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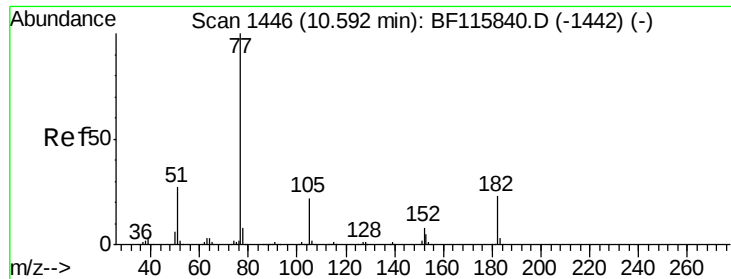
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#62  
 4-Nitroaniline  
 Concen: 37.057 ng  
 RT: 10.42 min Scan# 1417  
 Delta R.T. -0.01 min  
 Lab File: BF116435.D  
 Acq: 20 Aug 2019 15:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 159888 |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 92        | 51.2  | 29.0  | 69.0   |
| 108       | 74.4  | 54.7  | 94.7   |





#63

Azobenzene

Concen: 44.514 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.02 min

Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

Instrument :

BNA\_F

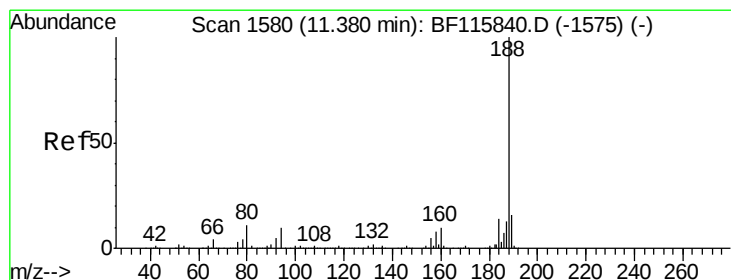
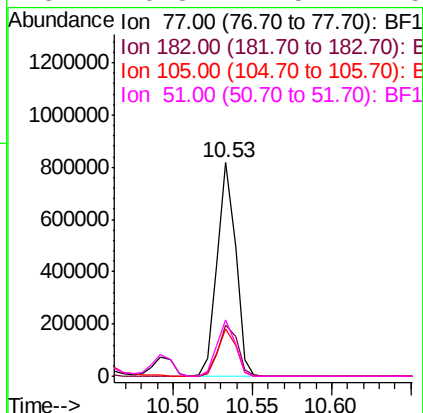
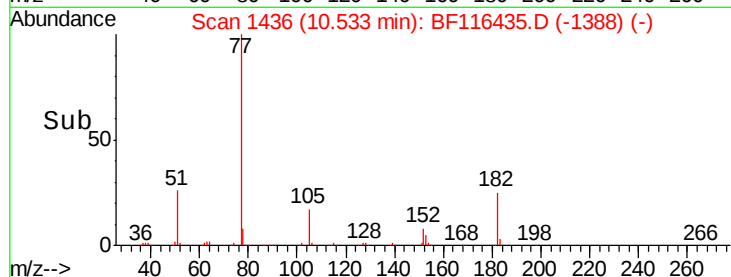
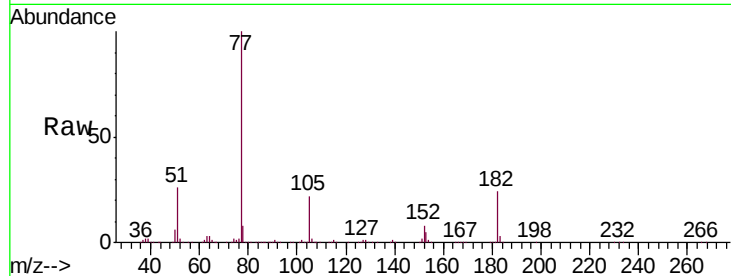
ClientSampleId :

SS-18\_081519MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 77      | 100  |       | 664625 |       |       |
| 182     | 24.0 | 4.0   | 44.0   |       |       |
| 105     | 22.3 | 2.0   | 42.0   |       |       |
| 51      | 26.3 | 7.5   | 47.5   |       |       |

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#64

Phenanthrene-d10

Concen: 20.000 ng

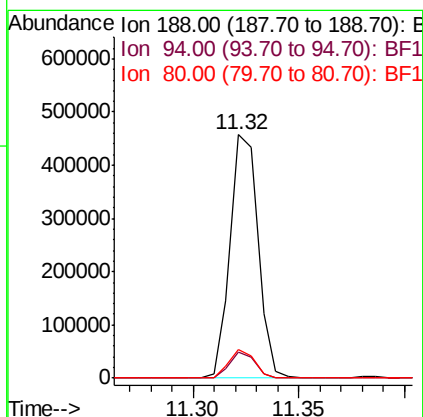
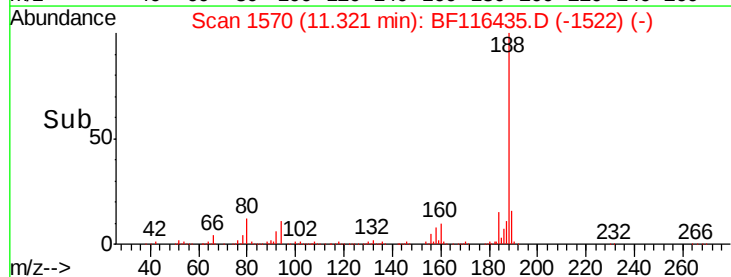
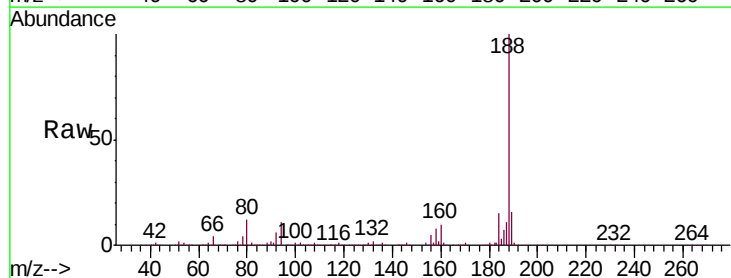
RT: 11.32 min Scan# 1570

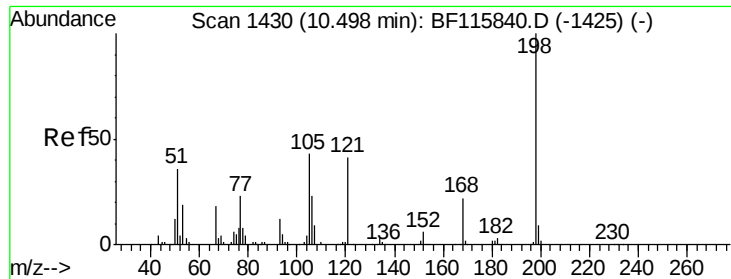
Delta R.T. -0.02 min

Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 188     | 100  |       | 418468 |       |       |
| 94      | 10.7 | 8.1   | 12.1   |       |       |
| 80      | 11.9 | 8.7   | 13.1   |       |       |





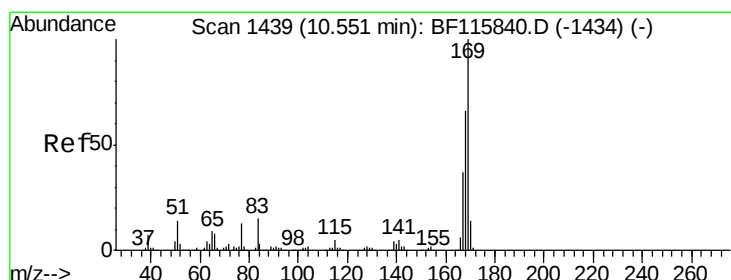
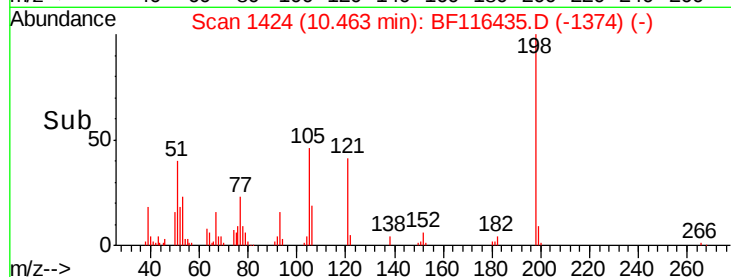
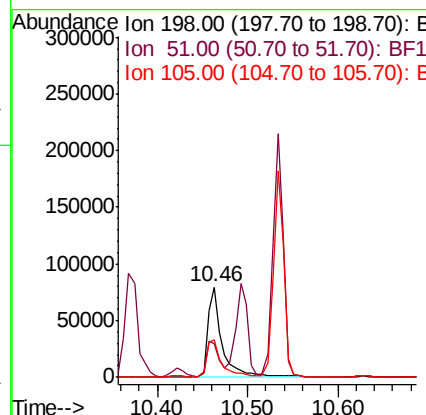
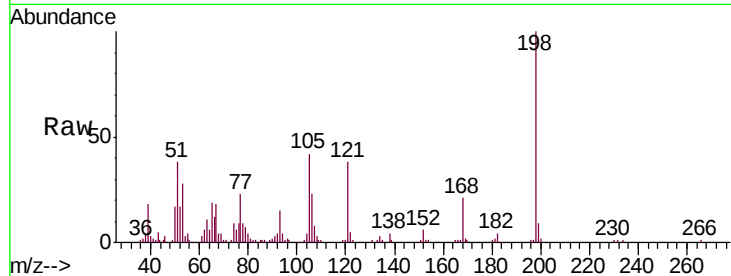
#65  
4,6-Dinitro-2-methylphenol  
Concen: 40.760 ng  
RT: 10.46 min Scan# 1424  
Delta R.T. -0.01 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

Instrument :  
BNA\_F  
ClientSampleId :  
SS-18\_081519MSD

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 198     | 100   | 90389 |       |       |
| 51      | 37.8  |       | 17.0  | 57.0  |
| 105     | 42.1  |       | 21.6  | 61.6  |

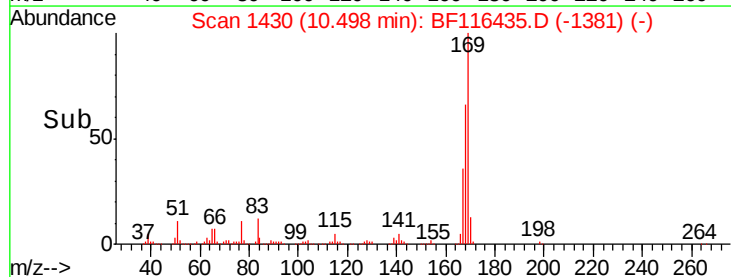
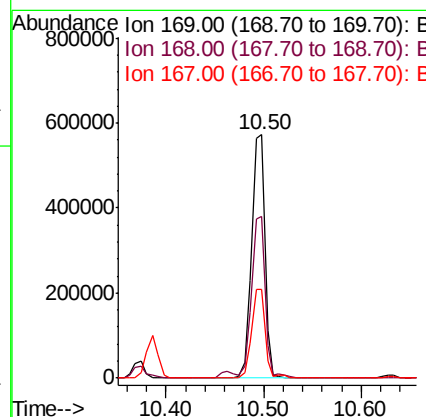
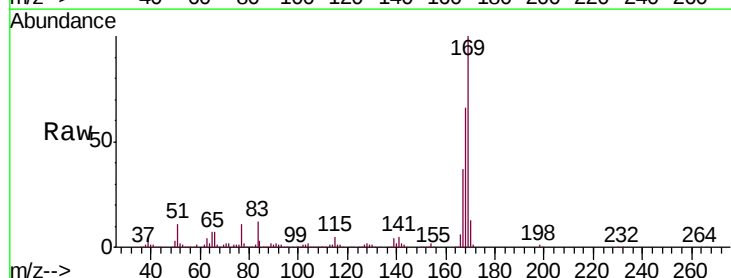
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#66  
n-Nitrosodiphenylamine  
Concen: 43.188 ng  
RT: 10.50 min Scan# 1430  
Delta R.T. -0.01 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 543977 |       |       |
| 168     | 66.4  |        | 53.8  | 80.6  |
| 167     | 36.6  |        | 29.6  | 44.4  |





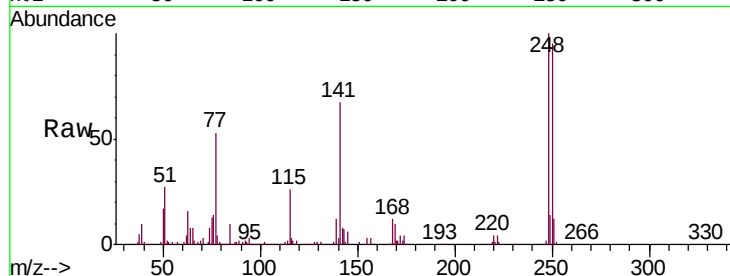
#67  
4-Bromophenyl-phenylether  
Concen: 42.345 ng  
RT: 10.86 min Scan# 1492  
Delta R.T. -0.01 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

Instrument :  
BNA\_F  
ClientSampleId :  
SS-18\_081519MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 95.5  | 77.4  | 116.2 |
| 141     | 67.4  | 56.8  | 85.2  |

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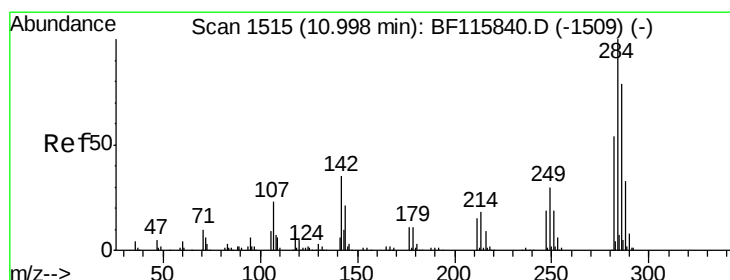
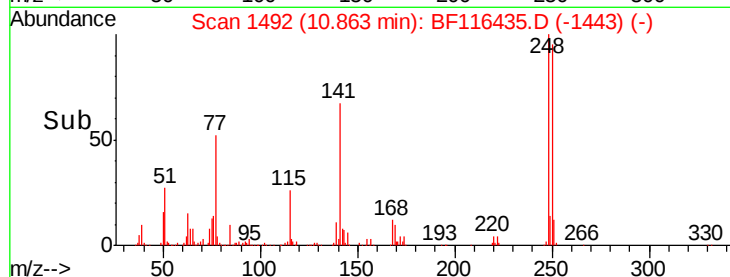
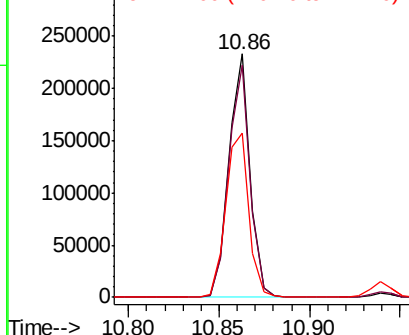


Abundance

Ion 248.00 (247.70 to 248.70): E

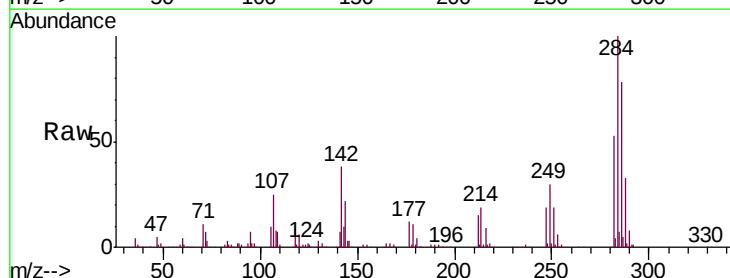
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68  
Hexachlorobenzene  
Concen: 40.492 ng  
RT: 10.94 min Scan# 1505  
Delta R.T. -0.02 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 37.6  | 28.4  | 42.6  |
| 249     | 30.2  | 24.5  | 36.7  |

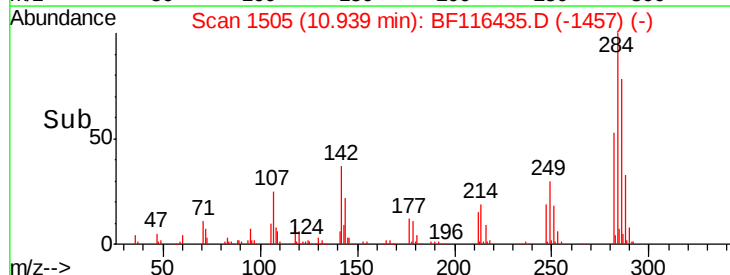
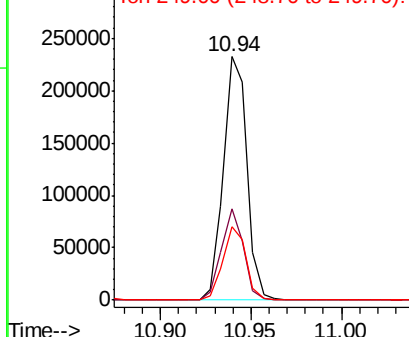


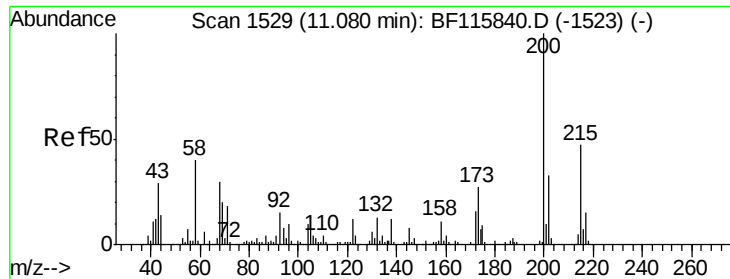
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





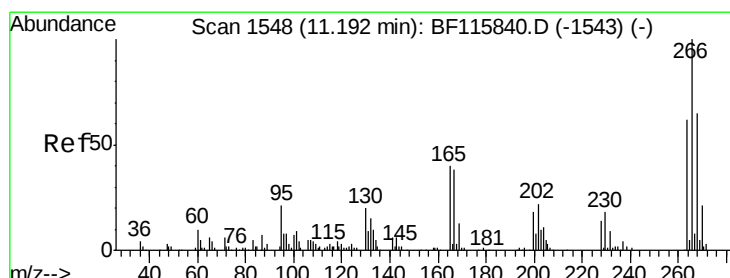
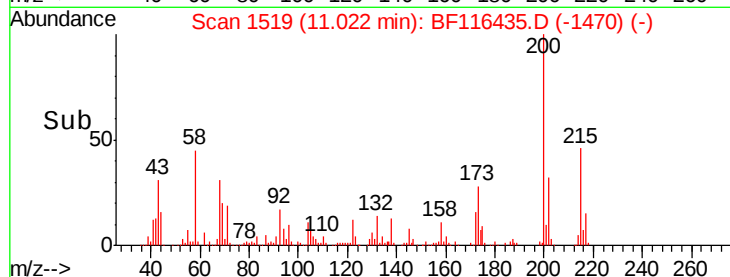
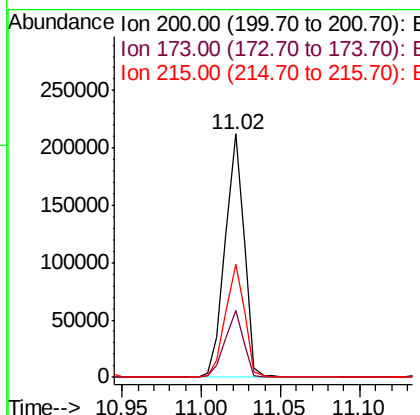
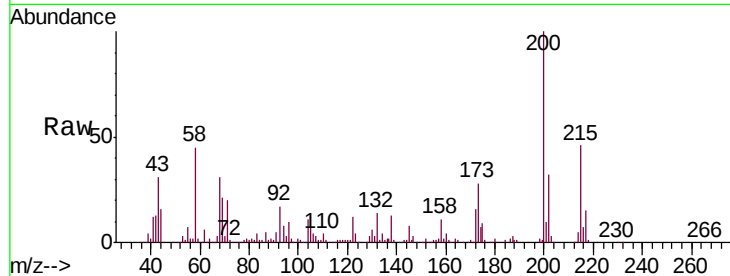
#69  
**Atrazine**  
 Concen: 42.942 ng  
 RT: 11.02 min Scan# 1519  
 Delta R.T. -0.01 min  
 Lab File: BF116435.D  
 Acq: 20 Aug 2019 15:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-18\_081519MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 200   | Resp: | 177938 |
| Ion Ratio | Lower | Upper |        |
| 200       | 100   |       |        |
| 173       | 27.7  | 6.8   | 46.8   |
| 215       | 46.2  | 27.5  | 67.5   |

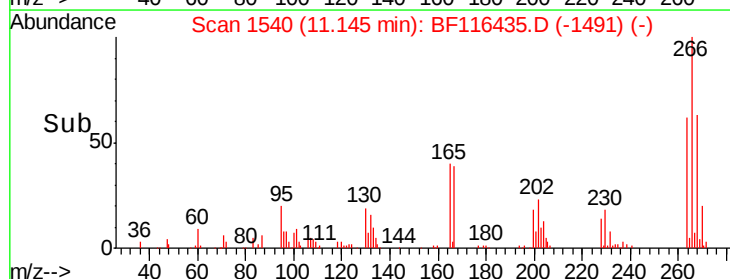
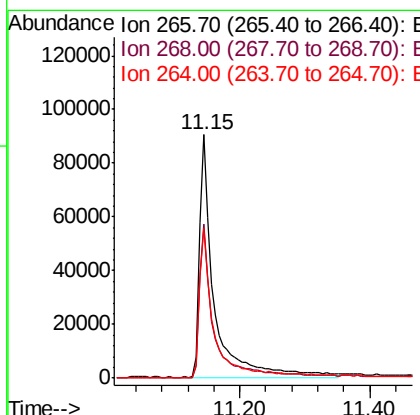
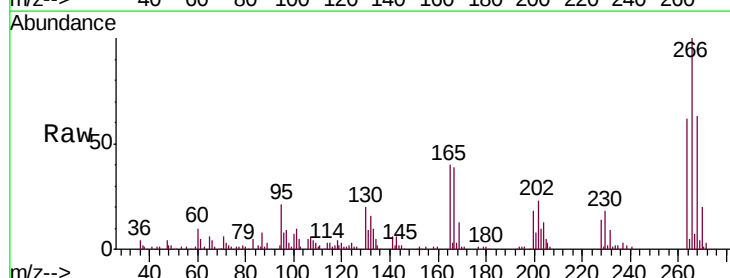
Manual Integrations  
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#70  
**Pentachlorophenol**  
 Concen: 55.926 ng  
 RT: 11.15 min Scan# 1540  
 Delta R.T. -0.01 min  
 Lab File: BF116435.D  
 Acq: 20 Aug 2019 15:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 266   | Resp: | 140649 |
| Ion Ratio | Lower | Upper |        |
| 266       | 100   |       |        |
| 268       | 63.0  | 48.8  | 73.2   |
| 264       | 61.9  | 50.6  | 76.0   |





#71

Phenanthrene

Concen: 43.758 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

Instrument :

BNA\_F

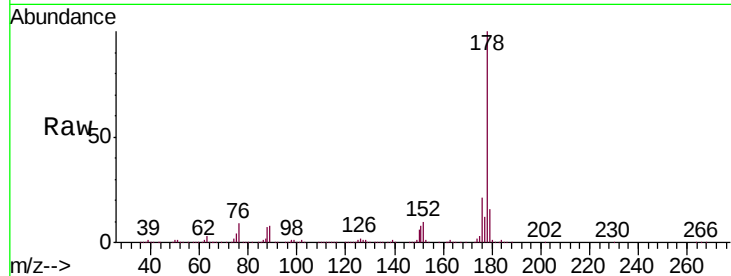
ClientSampleId :

SS-18\_081519MSD

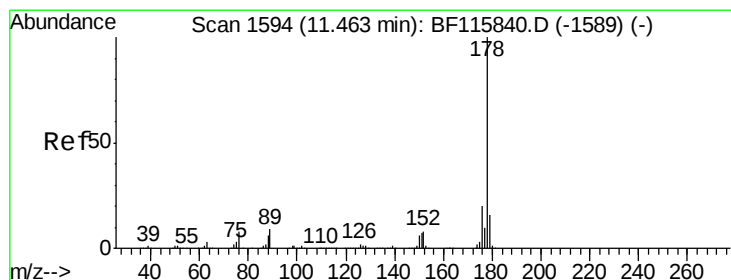
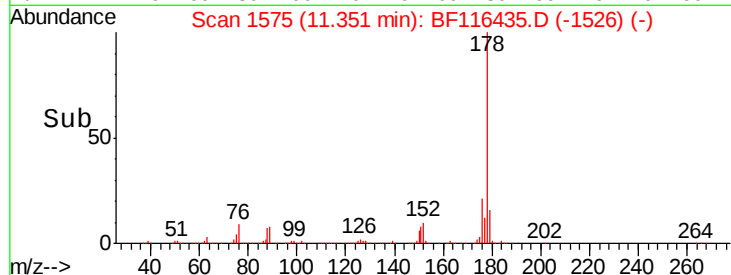
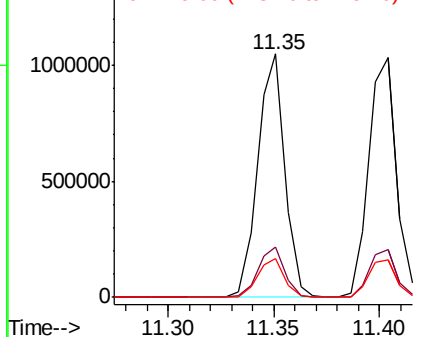
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 178   | Resp: | 936118 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 20.7  | 16.6  | 24.8   |
| 179       | 15.7  | 12.5  | 18.7   |

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



#72

Anthracene

Concen: 44.325 ng

RT: 11.40 min Scan# 1584

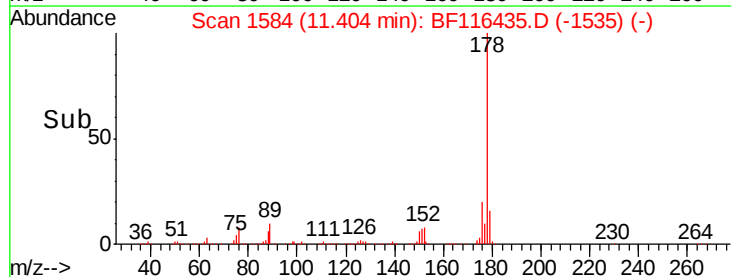
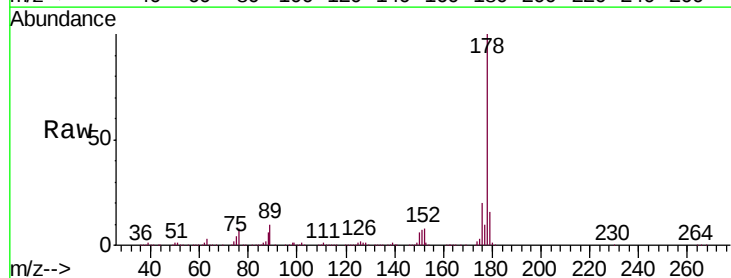
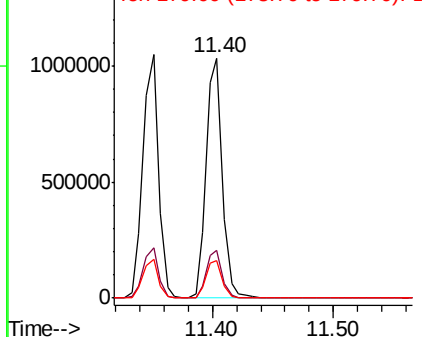
Delta R.T. -0.01 min

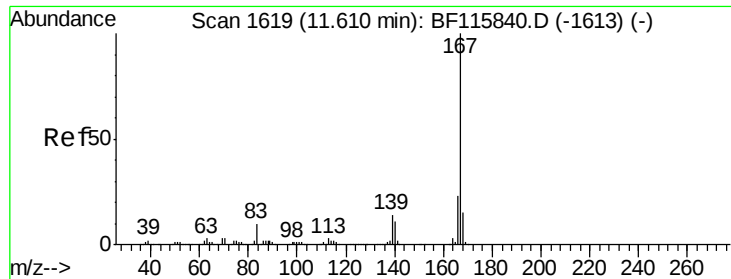
Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 178   | Resp: | 959658 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 20.0  | 15.7  | 23.5   |
| 179       | 15.8  | 13.0  | 19.6   |

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





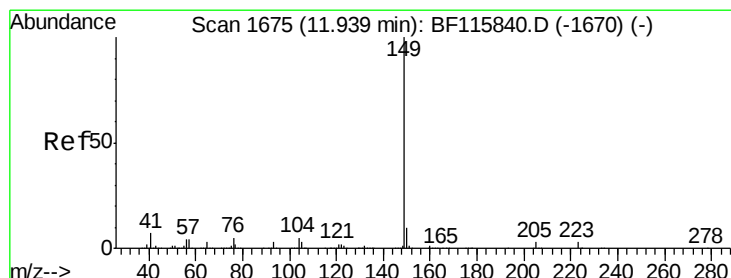
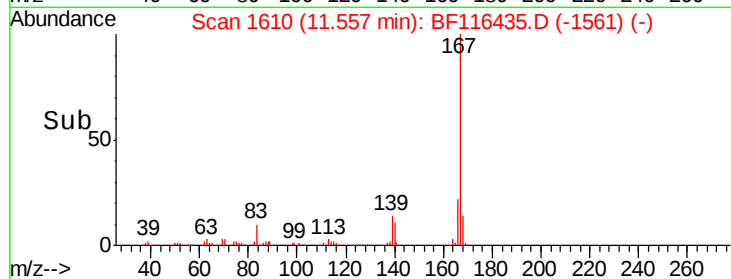
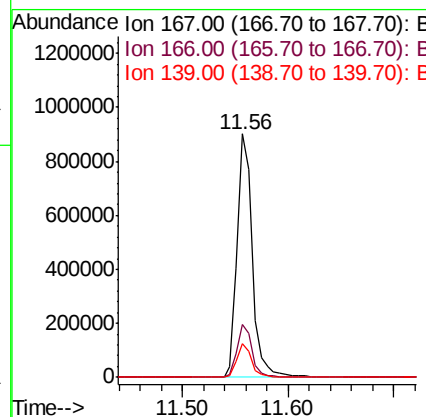
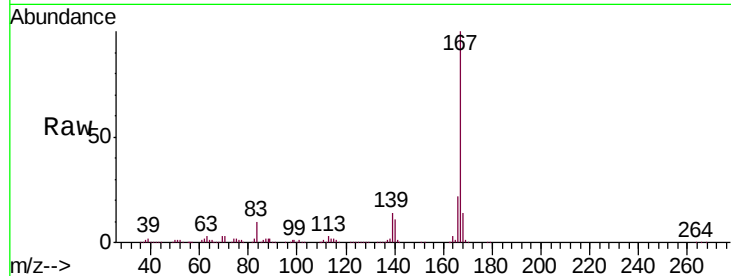
#73  
 Carbazole  
 Concen: 45.027 ng  
 RT: 11.56 min Scan# 1610  
 Delta R.T. -0.01 min  
 Lab File: BF116435.D  
 Acq: 20 Aug 2019 15:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-18\_081519MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.9  | 17.8  | 26.6  |
| 139     | 14.0  | 11.4  | 17.0  |

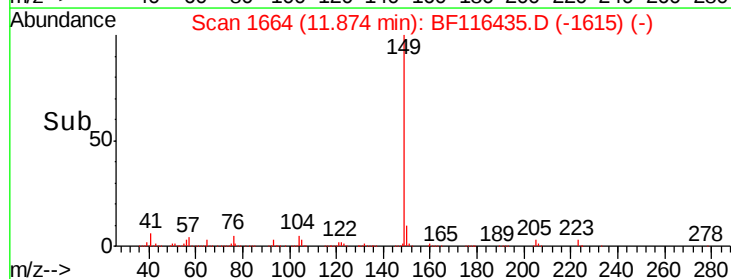
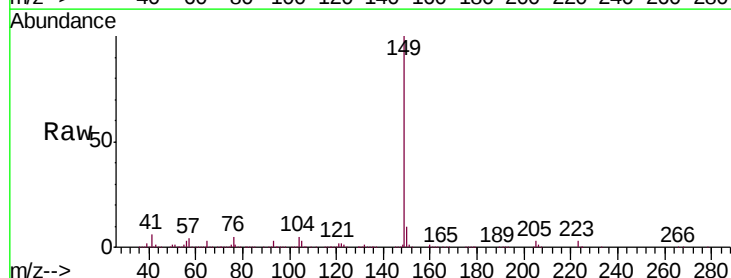
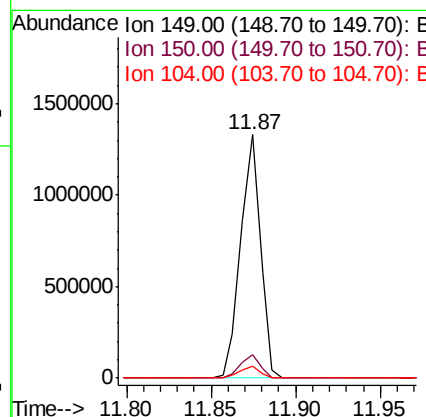
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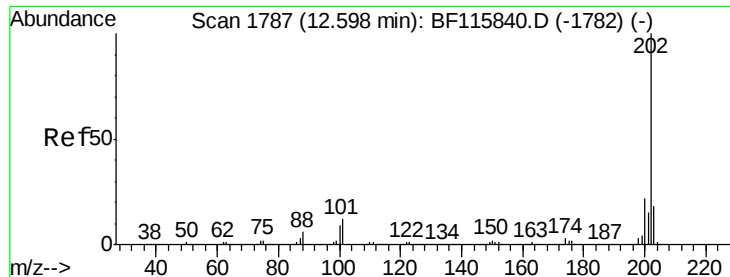
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#74  
 Di-n-butylphthalate  
 Concen: 47.393 ng  
 RT: 11.87 min Scan# 1664  
 Delta R.T. -0.01 min  
 Lab File: BF116435.D  
 Acq: 20 Aug 2019 15:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.6   | 8.0   | 12.0  |
| 104     | 5.1   | 4.5   | 6.7   |





#75

Fluoranthene

Concen: 46.635 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

Instrument :

BNA\_F

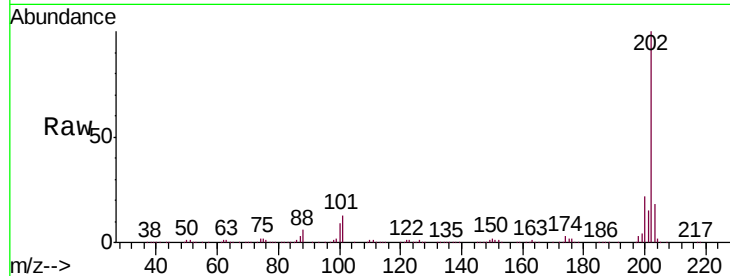
ClientSampleId :

SS-18\_081519MSD

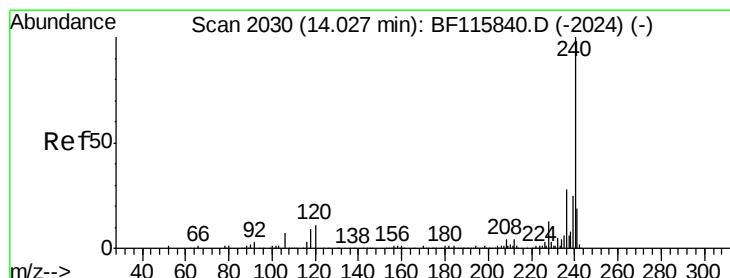
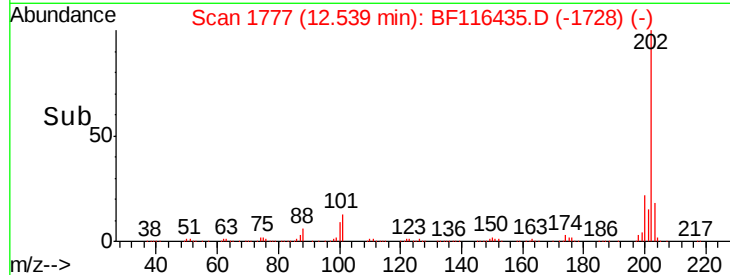
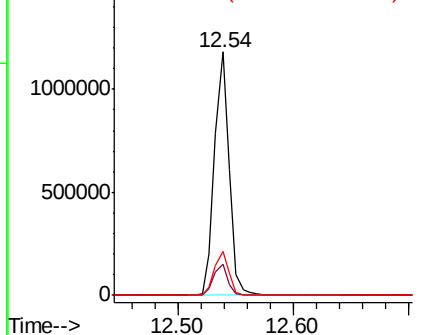
|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 202   | Resp: | 1044443 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 101       | 12.6  | 0.0   | 31.2    |
| 203       | 17.9  | 0.0   | 37.8    |

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



#76

Chrysene-d12

Concen: 20.000 ng

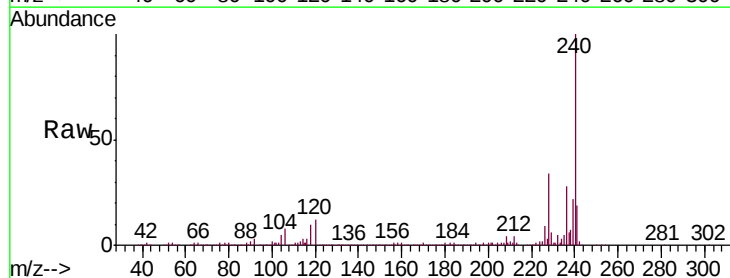
RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

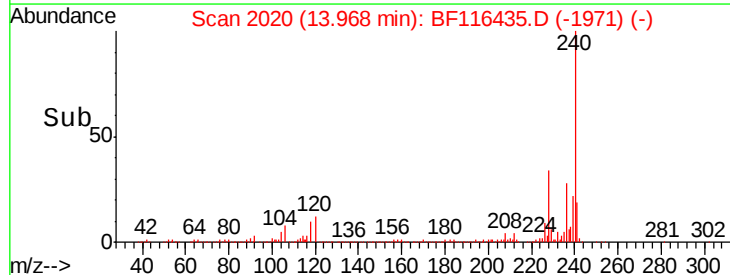
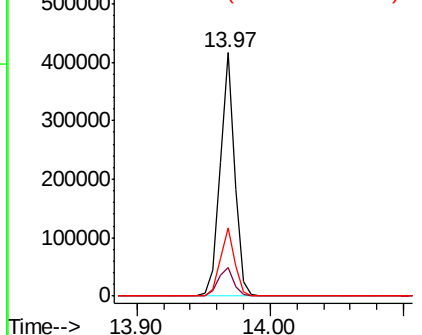
Lab File: BF116435.D

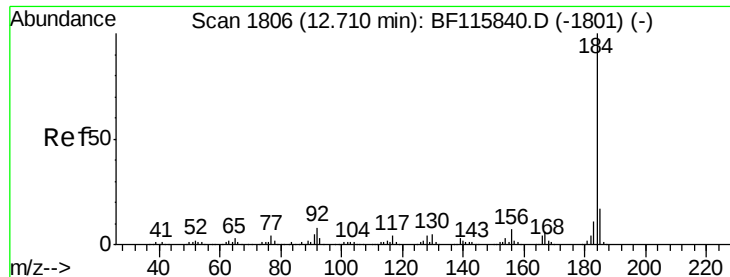
Acq: 20 Aug 2019 15:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 240   | Resp: | 322082 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 11.6  | 10.7  | 16.1   |
| 236       | 27.8  | 22.2  | 33.2   |



Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E





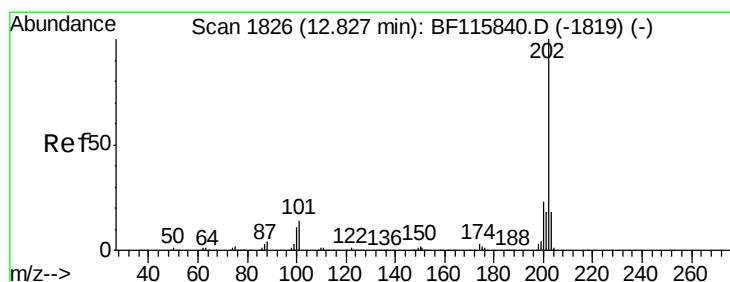
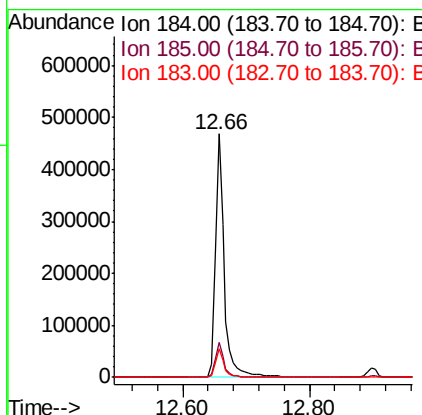
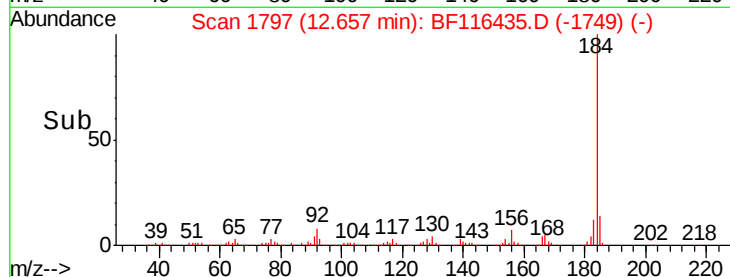
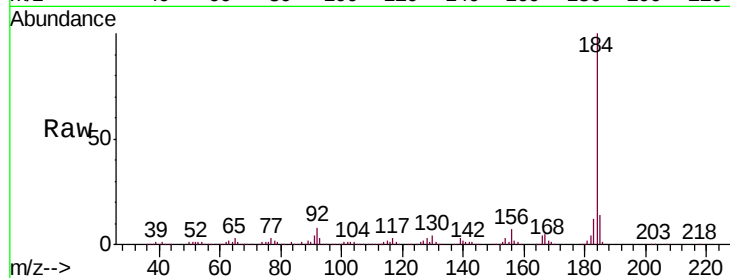
#77  
Benzidine  
Concen: 42.799 ng  
RT: 12.66 min Scan# 1797  
Delta R.T. -0.02 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

Instrument :  
BNA\_F  
ClientSampleId :  
SS-18\_081519MSD

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 184     | 100  |       |       |       |
| 185     | 14.4 | 12.8  | 19.2  |       |
| 183     | 11.5 | 9.4   | 14.0  |       |

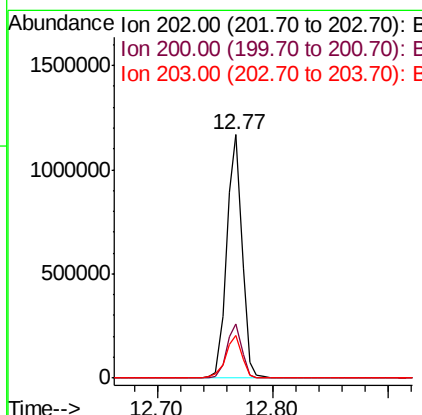
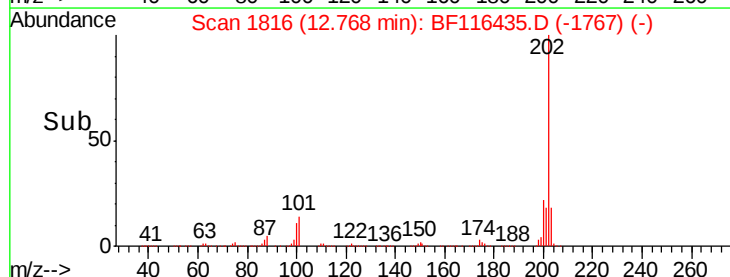
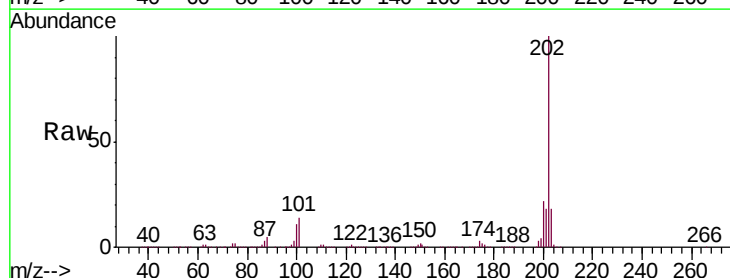
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#78  
Pyrene  
Concen: 44.071 ng  
RT: 12.77 min Scan# 1816  
Delta R.T. -0.01 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 202     | 100  |       |       |       |
| 200     | 22.3 | 18.0  | 27.0  |       |
| 203     | 17.7 | 14.1  | 21.1  |       |





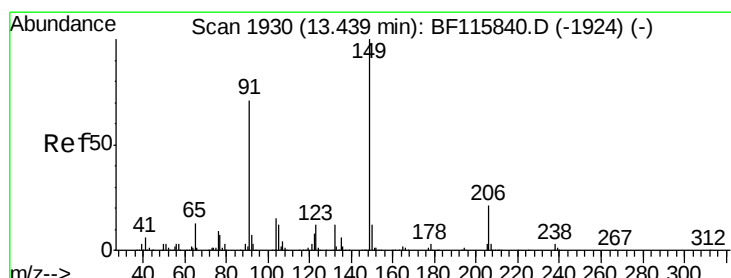
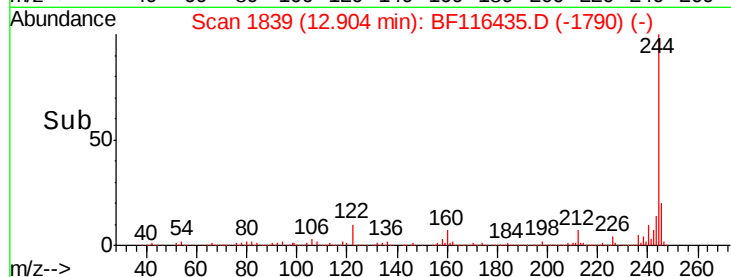
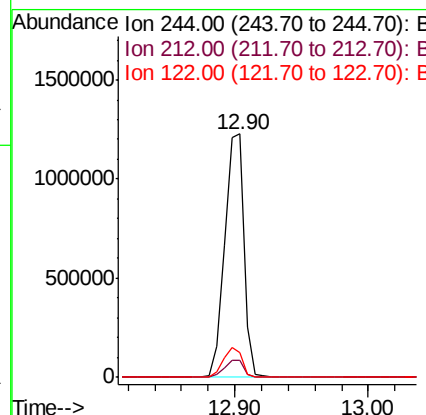
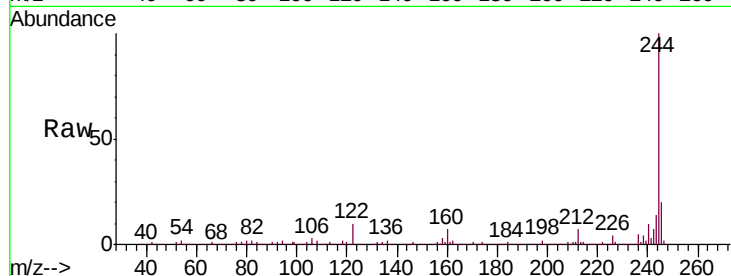
#79  
 Terphenyl-d14  
 Concen: 82.485 ng  
 RT: 12.90 min Scan# 1839  
 Delta R.T. -0.01 min  
 Lab File: BF116435.D  
 Acq: 20 Aug 2019 15:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SS-18\_081519MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.9   | 5.8   | 8.8   |
| 122     | 10.4  | 9.0   | 13.4  |

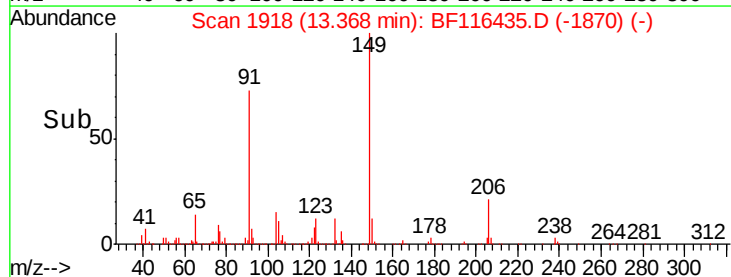
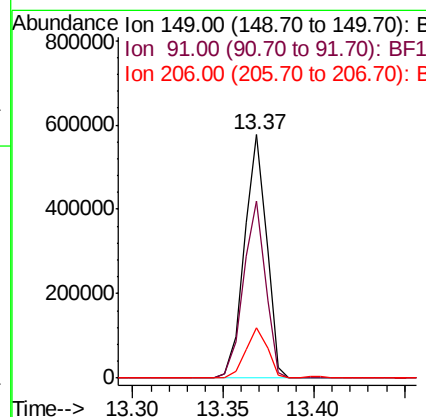
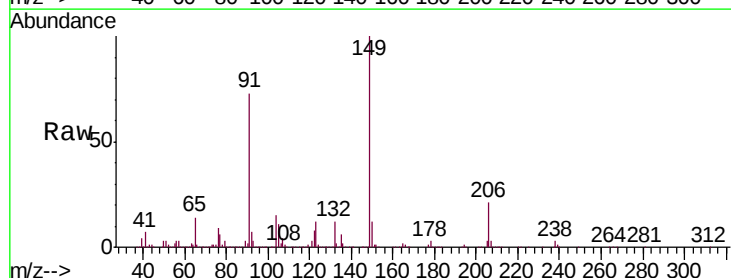
Manual Integrations  
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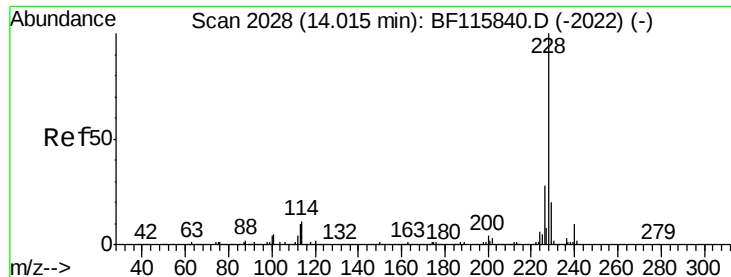
Jagrut  
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#80  
 Butylbenzylphthalate  
 Concen: 47.612 ng  
 RT: 13.37 min Scan# 1918  
 Delta R.T. -0.02 min  
 Lab File: BF116435.D  
 Acq: 20 Aug 2019 15:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 72.8  | 56.3  | 84.5  |
| 206     | 20.6  | 18.0  | 27.0  |





#81

Benzo(a)anthracene

Concen: 43.991 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

Instrument :

BNA\_F

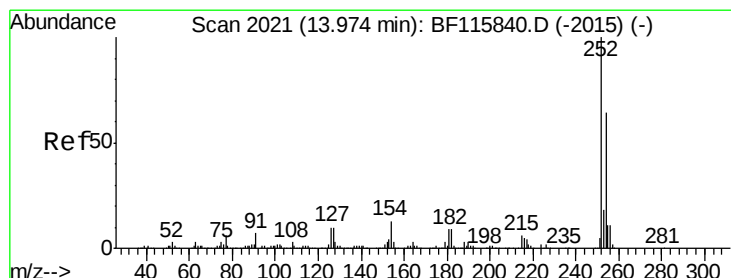
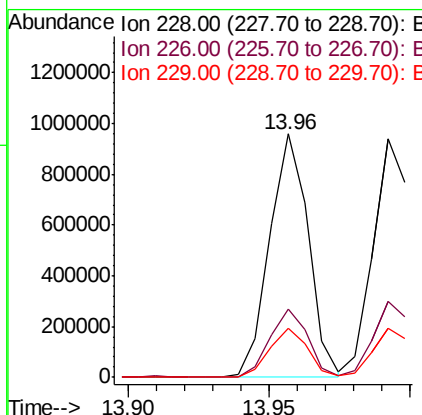
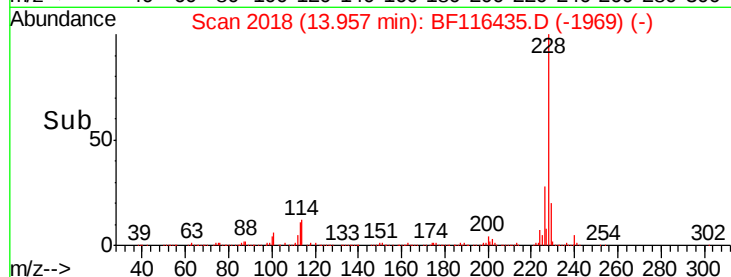
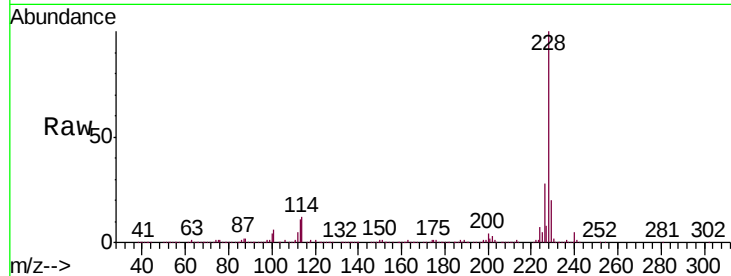
ClientSampleId :

SS-18\_081519MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 905613 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 28.0  | 22.7  | 34.1   |
| 229       | 20.0  | 16.2  | 24.4   |

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#82

3,3'-Dichlorobenzidine

Concen: 30.546 ng

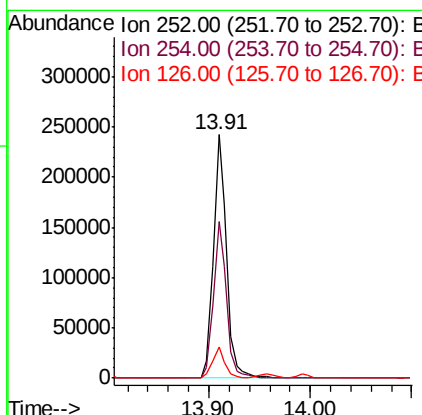
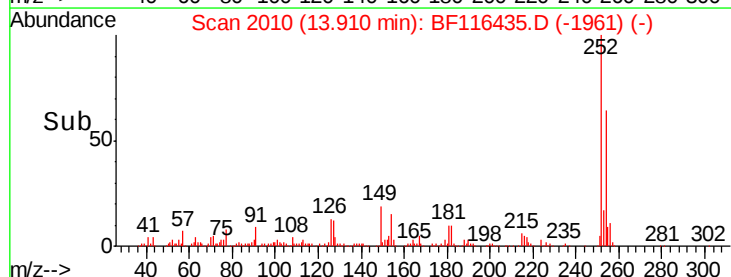
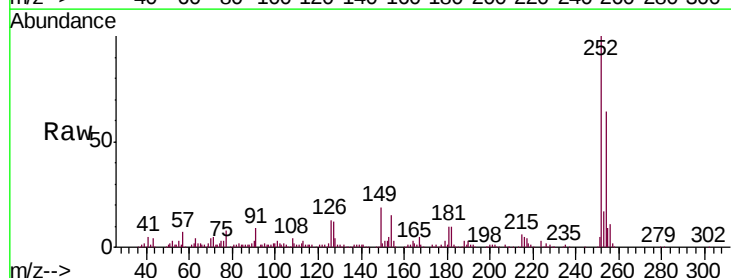
RT: 13.91 min Scan# 2010

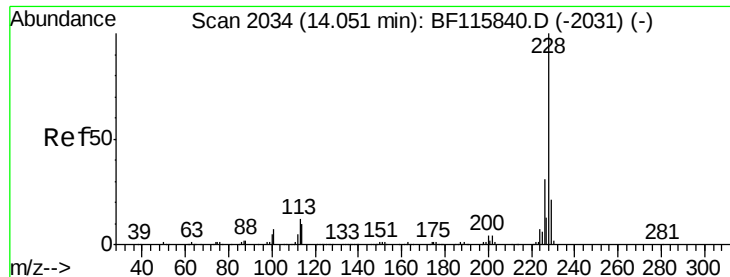
Delta R.T. -0.01 min

Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 218465 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 254       | 64.5  | 50.9  | 76.3   |
| 126       | 12.8  | 9.8   | 14.8   |





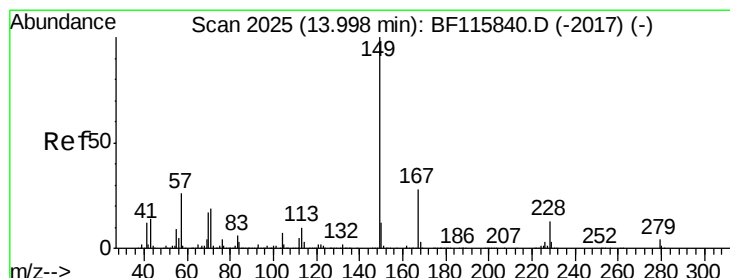
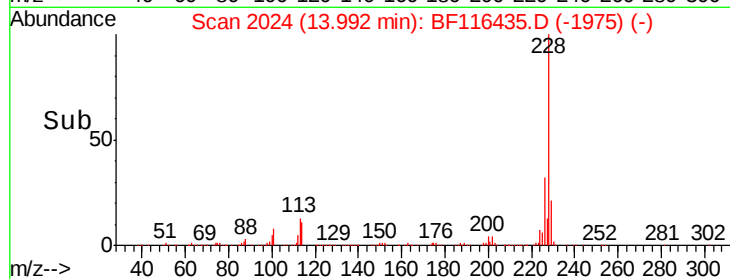
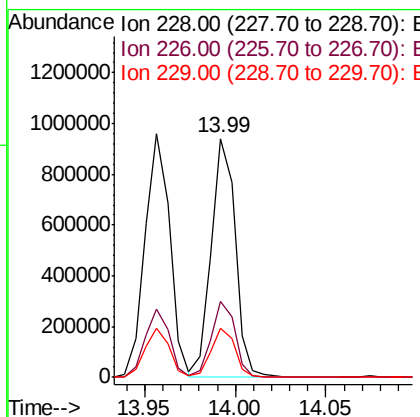
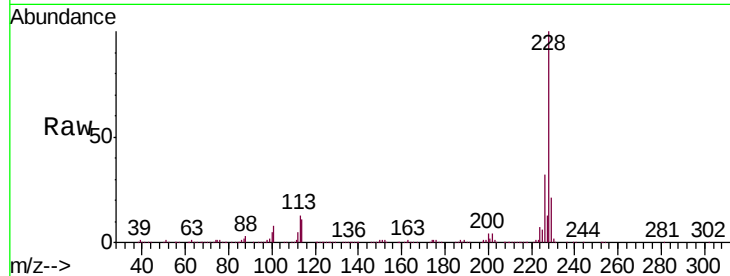
#83  
Chrysene  
Concen: 43.498 ng  
RT: 13.99 min Scan# 2024  
Delta R.T. -0.01 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

Instrument :  
BNA\_F  
ClientSampleId :  
SS-18\_081519MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.9  | 25.5  | 38.3  |
| 229     | 20.8  | 16.6  | 24.8  |

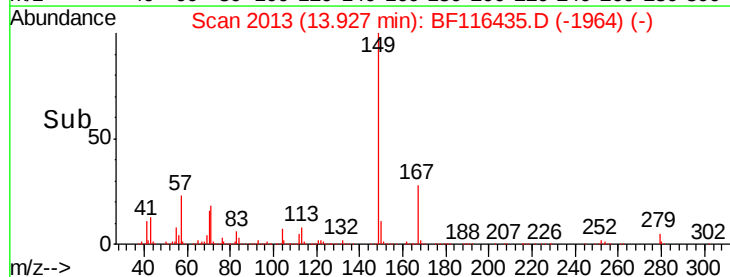
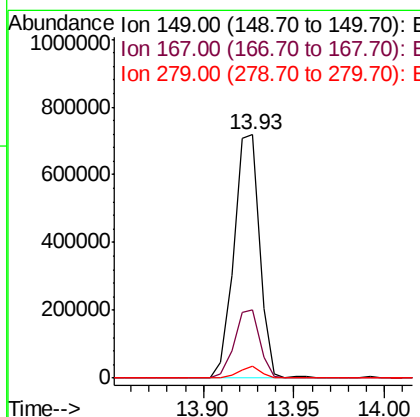
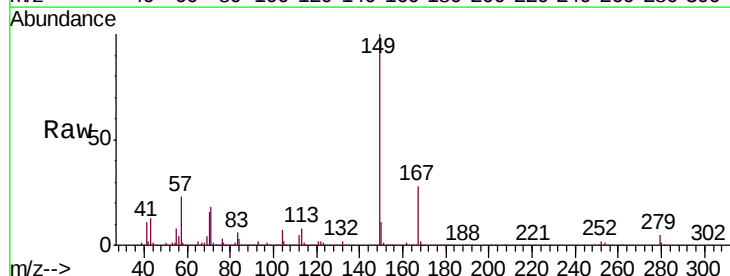
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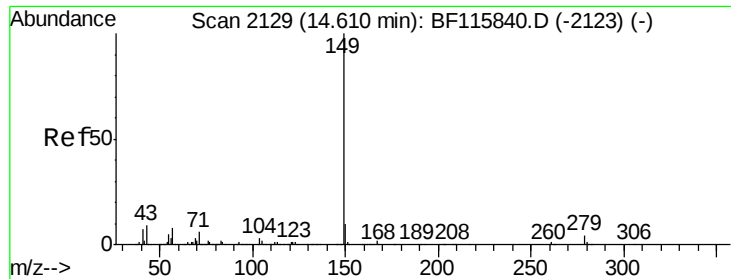
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#84  
Bis(2-ethylhexyl)phthalate  
Concen: 53.211 ng  
RT: 13.93 min Scan# 2013  
Delta R.T. -0.01 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 28.1  | 21.6  | 32.4  |
| 279     | 4.7   | 3.0   | 4.4#  |





#85

Di-n-octyl phthalate

Concen: 54.728 ng

RT: 14.53 min Scan# 2116

Delta R.T. -0.01 min

Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

Instrument :

BNA\_F

ClientSampleId :

SS-18\_081519MSD

Tot Ion:149 Resp: 1160145

Ion Ratio Lower Upper

149 100

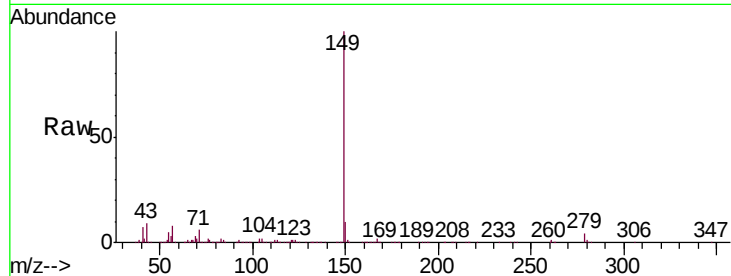
167 1.6 1.4 2.0

43 8.8 7.5 11.3

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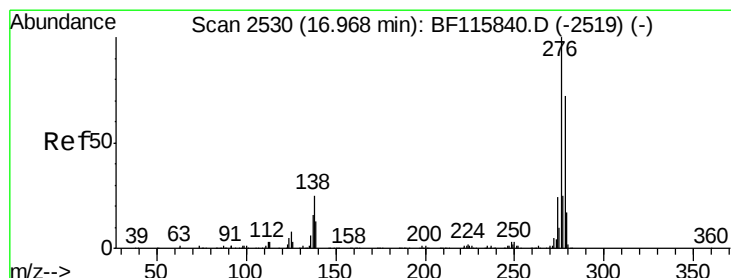
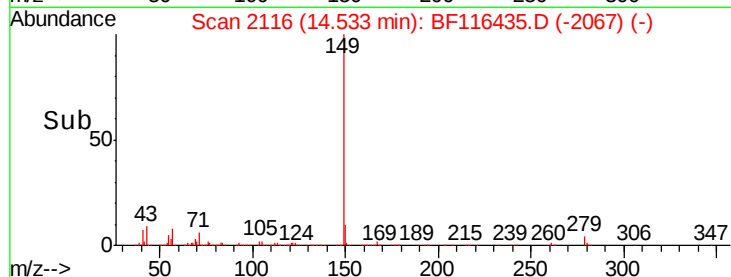
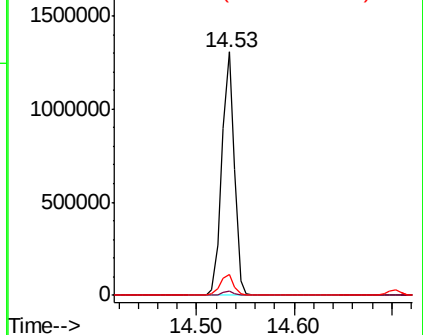
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 50.893 ng

RT: 16.89 min Scan# 2516

Delta R.T. -0.01 min

Lab File: BF116435.D

Acq: 20 Aug 2019 15:50

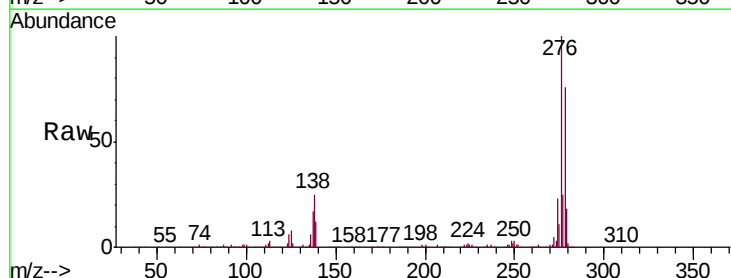
Tgt Ion:276 Resp: 854294

Ion Ratio Lower Upper

276 100

138 25.9 20.4 30.6

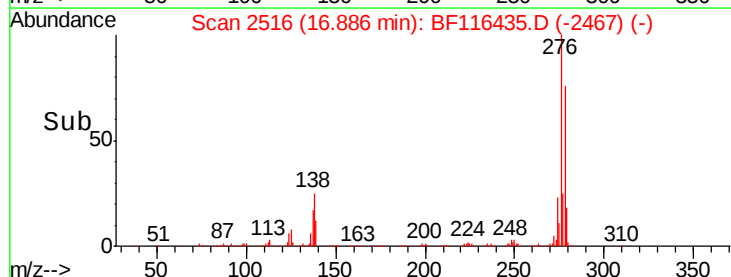
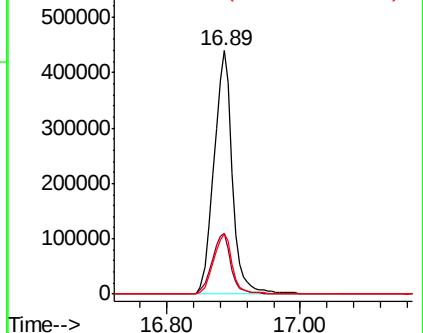
277 25.2 20.0 30.0

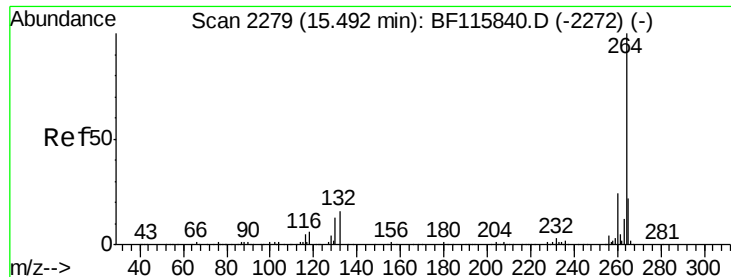


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





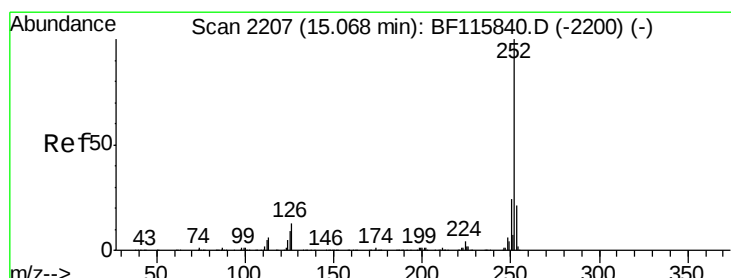
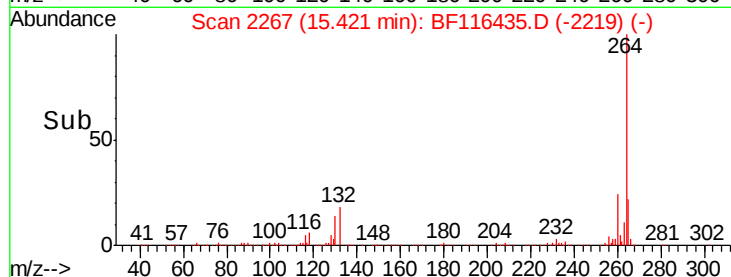
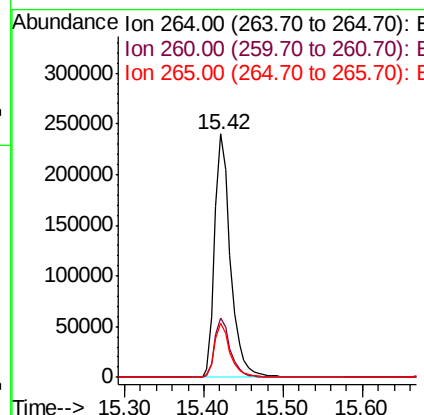
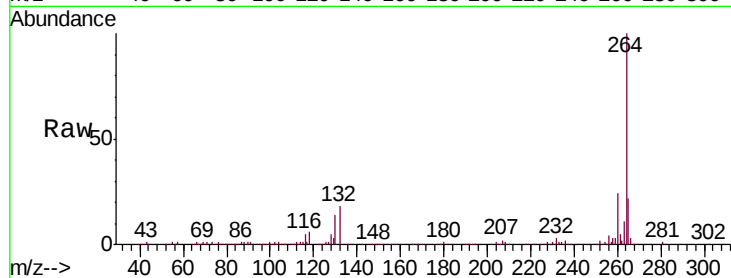
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.42 min Scan# 2267  
Delta R.T. -0.02 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

Instrument :  
BNA\_F  
ClientSampleId :  
SS-18\_081519MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 19.7  | 29.5  |
| 265     | 22.2  | 17.4  | 26.0  |

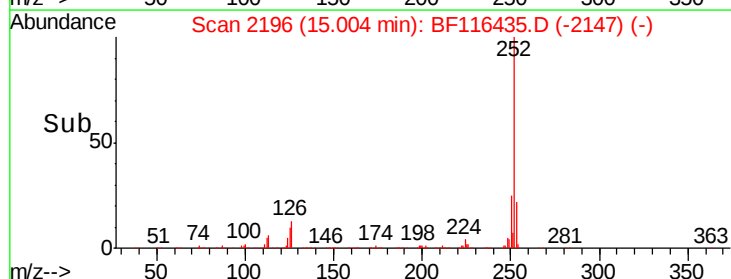
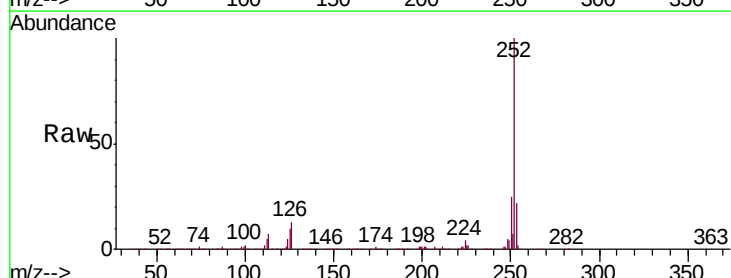
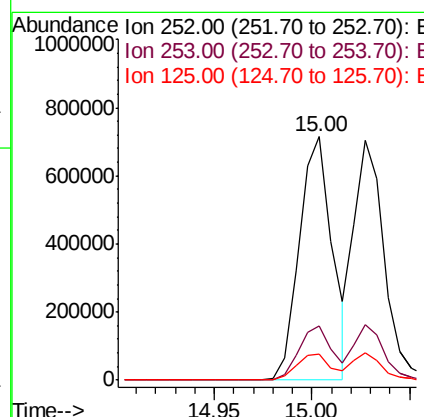
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#88  
Benzo(b)fluoranthene  
Concen: 43.411 ng  
RT: 15.00 min Scan# 2196  
Delta R.T. -0.01 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 17.8  | 26.8  |
| 125     | 10.5  | 8.4   | 12.6  |





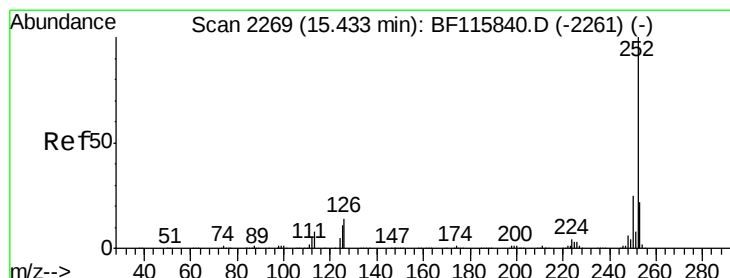
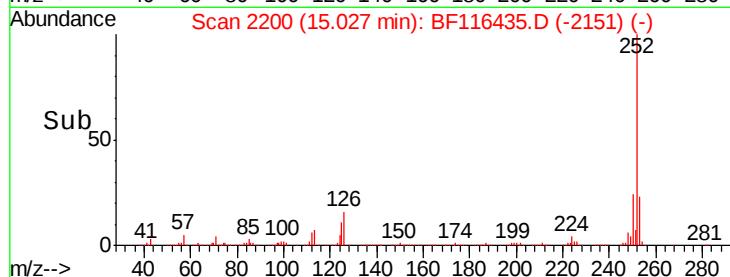
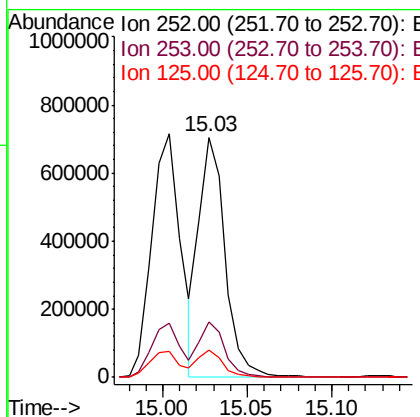
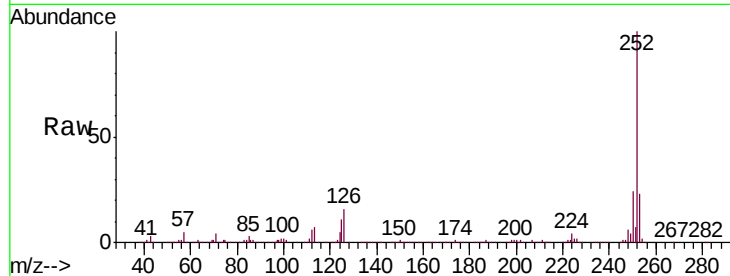
#89  
Benzo(k)fluoranthene  
Concen: 40.361 ng  
RT: 15.03 min Scan# 2200  
Delta R.T. -0.01 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

Instrument :  
BNA\_F  
ClientSampleId :  
SS-18\_081519MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.9  | 17.8  | 26.8  |
| 125     | 11.3  | 7.7   | 11.5  |

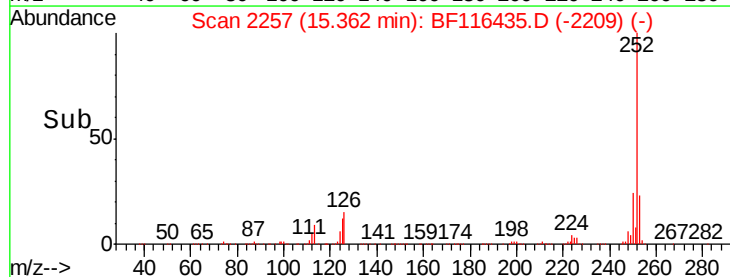
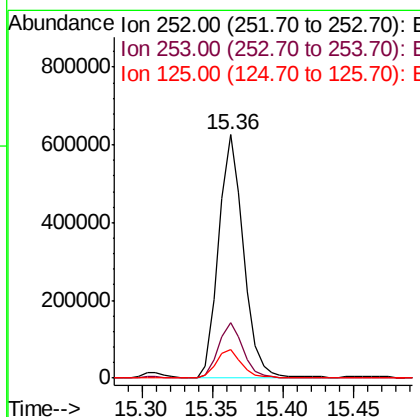
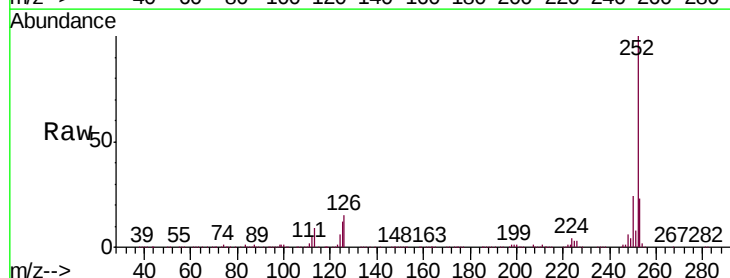
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#90  
Benzo(a)pyrene  
Concen: 44.441 ng  
RT: 15.36 min Scan# 2257  
Delta R.T. -0.02 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.5  | 18.0  | 27.0  |
| 125     | 11.7  | 8.9   | 13.3  |





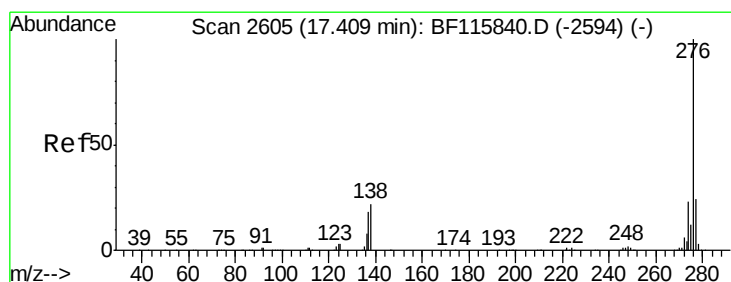
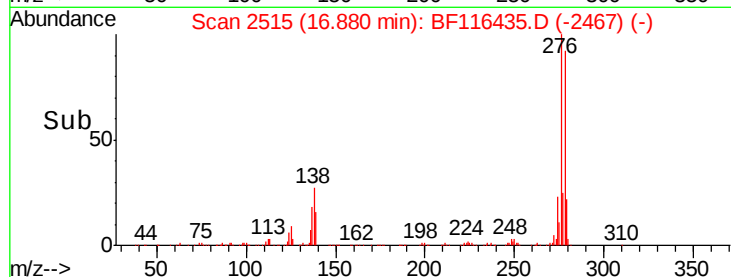
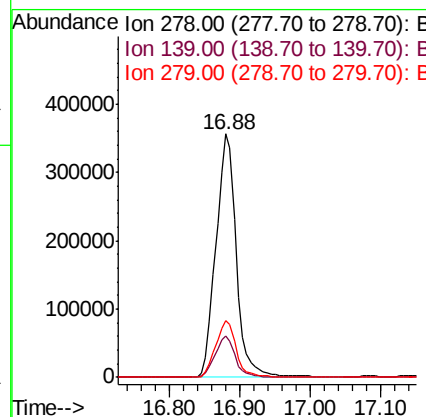
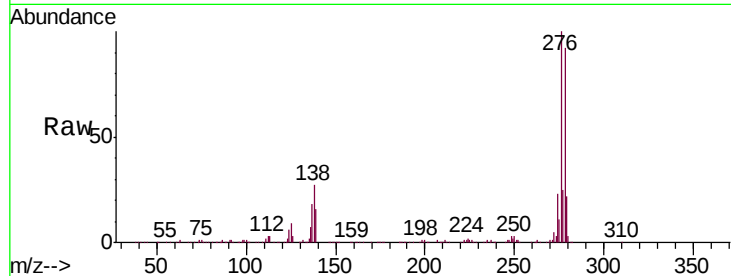
#91  
Dibenzo(a,h)anthracene  
Concen: 47.478 ng  
RT: 16.88 min Scan# 2515  
Delta R.T. -0.02 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

Instrument :  
BNA\_F  
ClientSampleId :  
SS-18\_081519MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 17.2  | 12.8  | 19.2  |
| 279     | 23.3  | 18.8  | 28.2  |

Manual Integrations  
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#92  
Benzo(g,h,i)perylene  
Concen: 49.307 ng  
RT: 17.32 min Scan# 2590  
Delta R.T. -0.02 min  
Lab File: BF116435.D  
Acq: 20 Aug 2019 15:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.9  | 18.4  | 27.6  |
| 138     | 22.1  | 17.0  | 25.6  |

