

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072219\  
 Data File : BF115705.D  
 Acq On : 22 Jul 2019 13:19  
 Operator : HP/JU  
 Sample : PB121540BS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121540BS

Manual Integrations  
 APPROVED

mohammad  
 7/23/2019 4:24:23 PM

Quant Time: Jul 23 01:51:06 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 12 14:03:52 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.88  | 152  | 179506   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.16  | 136  | 742474   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.92  | 164  | 379677   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.40 | 188  | 726381   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.04 | 240  | 517044   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.52 | 264  | 378642   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.52  | 112 | 1226596 | 111.77 | ng | 0.01  |
| 7) Phenol-d6             | 6.52  | 99  | 1586934 | 113.96 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.44  | 82  | 1002727 | 78.53  | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.71 | 330 | 481818  | 108.72 | ng | 0.00  |
| 45) 2-Fluorobiphenyl     | 9.24  | 172 | 1808321 | 83.36  | ng | -0.01 |
| 79) Terphenyl-d14        | 12.99 | 244 | 2017358 | 71.99  | ng | -0.01 |

## Target Compounds

|                                |      |     |         |        |    | Qvalue |
|--------------------------------|------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 2.75 | 88  | 202093  | 36.918 | ng | 97     |
| 3) Pyridine                    | 3.50 | 79  | 455429  | 30.665 | ng | 96     |
| 4) n-Nitrosodimethylamine      | 3.45 | 42  | 209514  | 38.886 | ng | 90     |
| 6) Aniline                     | 6.54 | 93  | 484200  | 24.986 | ng | 98     |
| 8) 2-Chlorophenol              | 6.67 | 128 | 496449  | 39.347 | ng | 99     |
| 9) Benzaldehyde                | 6.43 | 77  | 205657  | 23.634 | ng | 99     |
| 10) Phenol                     | 6.53 | 94  | 622378  | 38.502 | ng | 87     |
| 11) bis(2-Chloroethyl)ether    | 6.62 | 93  | 478711  | 38.897 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 6.82 | 146 | 514533  | 36.271 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 6.90 | 146 | 521394  | 36.837 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 7.05 | 146 | 489705  | 37.848 | ng | 97     |
| 15) Benzyl Alcohol             | 7.02 | 79  | 408641  | 36.993 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.15 | 45  | 639825  | 39.488 | ng | 99     |
| 17) 2-Methylphenol             | 7.13 | 107 | 447032  | 41.112 | ng | 98     |
| 18) Hexachloroethane           | 7.39 | 117 | 191392  | 36.431 | ng | 94     |
| 19) n-Nitroso-di-n-propylamine | 7.29 | 70  | 342965  | 37.764 | ng | 96     |
| 20) 3+4-Methylphenols          | 7.29 | 107 | 502184  | 38.882 | ng | # 89   |
| 22) Acetophenone               | 7.29 | 105 | 678955  | 40.478 | ng | # 99   |
| 24) Nitrobenzene               | 7.46 | 77  | 549880  | 39.926 | ng | 99     |
| 25) Isophorone                 | 7.70 | 82  | 1004891 | 39.329 | ng | 98     |
| 26) 2-Nitrophenol              | 7.77 | 139 | 279914  | 39.486 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 7.82 | 122 | 466228  | 43.956 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.91 | 93  | 614558  | 39.206 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 8.02 | 162 | 439007  | 39.798 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 8.10 | 180 | 477651  | 38.307 | ng | 99     |
| 31) Naphthalene                | 8.19 | 128 | 1446053 | 40.215 | ng | 97     |
| 32) Benzoic acid               | 7.95 | 122 | 318495  | 36.589 | ng | 98     |
| 33) 4-Chloroaniline            | 8.23 | 127 | 389237  | 24.438 | ng | 98     |
| 34) Hexachlorobutadiene        | 8.30 | 225 | 267222  | 37.371 | ng | 98     |
| 35) Caprolactam                | 8.60 | 113 | 137680m | 40.391 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.72 | 107 | 464188  | 40.567 | ng | 99     |
| 37) 2-Methylnaphthalene        | 8.87 | 142 | 979895  | 41.111 | ng | 97     |
| 38) 1-Methylnaphthalene        | 8.97 | 142 | 916445  | 40.479 | ng | 97     |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.05 | 216 | 448711  | 39.246 | ng | 98     |

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Manual Integrations  
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 7/23/2019 4:24:23 PM

Quant Time: Jul 23 01:51:06 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 12 14:03:52 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 9.03  | 237  | 302131   | 46.324 | nq    | 99       |
| 43) 2,4,6-Trichlorophenol      | 9.16  | 196  | 302097   | 36.131 | nq    | 99       |
| 44) 2,4,5-Trichlorophenol      | 9.20  | 196  | 333462   | 38.943 | nq    | 98       |
| 46) 1,1'-Biphenyl              | 9.34  | 154  | 1188942  | 40.055 | nq    | 98       |
| 47) 2-Chloronaphthalene        | 9.37  | 162  | 945130   | 38.240 | nq    | 95       |
| 48) 2-Nitroaniline             | 9.46  | 65   | 289314   | 37.820 | nq    | 99       |
| 49) Acenaphthylene             | 9.78  | 152  | 1412285  | 38.564 | nq    | 98       |
| 50) Dimethylphthalate          | 9.64  | 163  | 1094115  | 38.302 | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 9.70  | 165  | 251478   | 38.738 | nq    | 96       |
| 52) Acenaphthene               | 9.96  | 154  | 859465   | 36.350 | nq    | 98       |
| 53) 3-Nitroaniline             | 9.87  | 138  | 203067   | 27.373 | nq    | 98       |
| 54) 2,4-Dinitrophenol          | 9.98  | 184  | 242415   | 72.732 | nq    | 99       |
| 55) Dibenzofuran               | 10.13 | 168  | 1287011  | 38.330 | nq    | 99       |
| 56) 4-Nitrophenol              | 10.03 | 139  | 404310   | 71.471 | nq    | 96       |
| 57) 2,4-Dinitrotoluene         | 10.10 | 165  | 338137   | 40.205 | nq    | 97       |
| 58) Fluorene                   | 10.47 | 166  | 970025   | 40.411 | nq    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.25 | 232  | 283524   | 39.610 | nq    | 99       |
| 60) Diethylphthalate           | 10.34 | 149  | 1057115  | 39.496 | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.46 | 204  | 495902   | 37.254 | nq    | 98       |
| 62) 4-Nitroaniline             | 10.49 | 138  | 259594   | 36.481 | nq    | 99       |
| 63) Azobenzene                 | 10.62 | 77   | 1073395  | 41.347 | nq    | 96       |
| 65) 4,6-Dinitro-2-methylphenol | 10.52 | 198  | 161919   | 36.485 | nq    | 92       |
| 66) n-Nitrosodiphenylamine     | 10.57 | 169  | 887280   | 39.269 | nq    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.95 | 248  | 313996   | 37.827 | nq    | 97       |
| 68) Hexachlorobenzene          | 11.02 | 284  | 348168   | 36.728 | nq    | # 91     |
| 69) Atrazine                   | 11.10 | 200  | 244858   | 33.033 | nq    | 98       |
| 70) Pentachlorophenol          | 11.22 | 266  | 396517   | 68.390 | nq    | 99       |
| 71) Phenanthrene               | 11.43 | 178  | 1454460  | 39.063 | nq    | 98       |
| 72) Anthracene                 | 11.48 | 178  | 1488717  | 38.689 | nq    | 99       |
| 73) Carbazole                  | 11.63 | 167  | 1320100  | 39.121 | nq    | 100      |
| 74) Di-n-butylphthalate        | 11.96 | 149  | 1657744  | 39.884 | nq    | 99       |
| 75) Fluoranthene               | 12.62 | 202  | 1545828  | 39.288 | nq    | 99       |
| 77) Benzidine                  | 12.73 | 184  | 301981   | 16.487 | nq    | 99       |
| 78) Pyrene                     | 12.85 | 202  | 1570267  | 35.846 | nq    | 98       |
| 80) Butylbenzylphthalate       | 13.46 | 149  | 719025   | 38.504 | nq    | 94       |
| 81) Benzo(a)anthracene         | 14.03 | 228  | 1305156  | 38.316 | nq    | 97       |
| 82) 3,3'-Dichlorobenzidine     | 13.99 | 252  | 399037   | 32.953 | nq    | 97       |
| 83) Chrysene                   | 14.07 | 228  | 1303214  | 38.112 | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 14.02 | 149  | 997252   | 43.113 | nq    | 100      |
| 85) Di-n-octyl phthalate       | 14.63 | 149  | 1615975  | 43.907 | nq    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 17.00 | 276  | 1113389  | 38.325 | nq    | 99       |
| 88) Benzo(b)fluoranthene       | 15.09 | 252  | 1230828  | 50.482 | nq    | 98       |
| 89) Benzo(k)fluoranthene       | 15.12 | 252  | 1130919  | 52.026 | nq    | 98       |
| 90) Benzo(a)pyrene             | 15.46 | 252  | 1073544  | 51.229 | nq    | 99       |
| 91) Dibenzo(a,h)anthracene     | 17.02 | 278  | 940005   | 51.096 | nq    | 100      |
| 92) Benzo(g,h,i)perylene       | 17.46 | 276  | 901782   | 49.150 | nq    | 100      |

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





#1

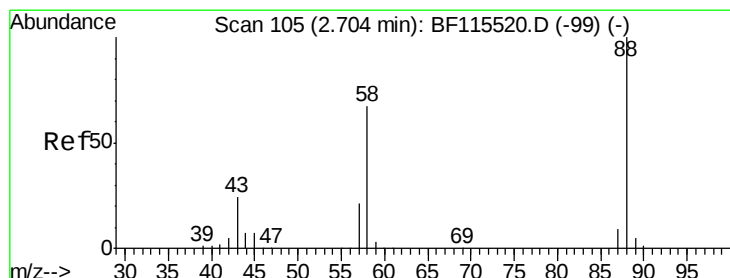
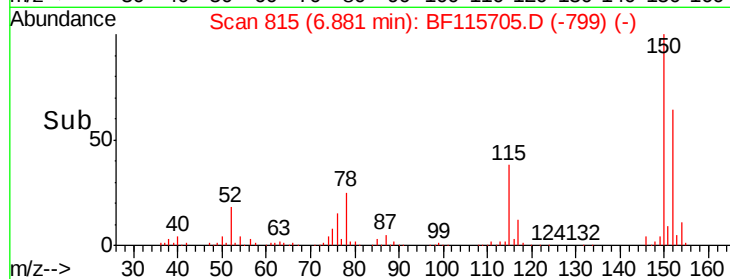
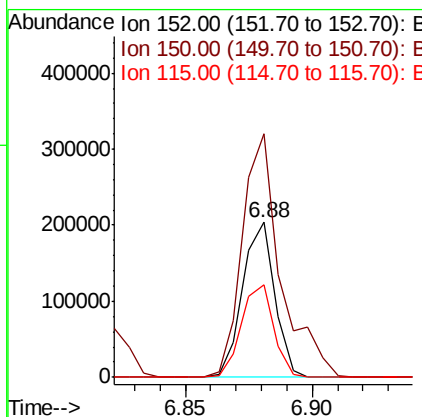
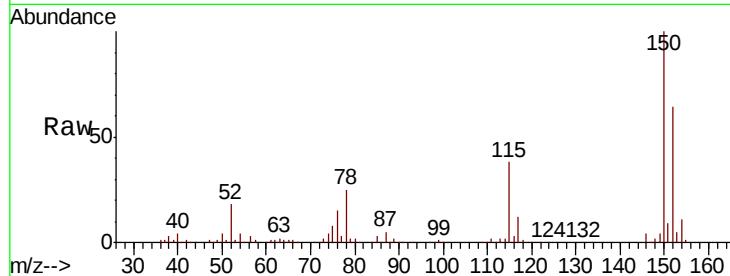
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.88 min Scan# 815  
Delta R.T. -0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB121540BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.3 | 129.7 | 194.5 |
| 115     | 60.0  | 48.2  | 72.4  |

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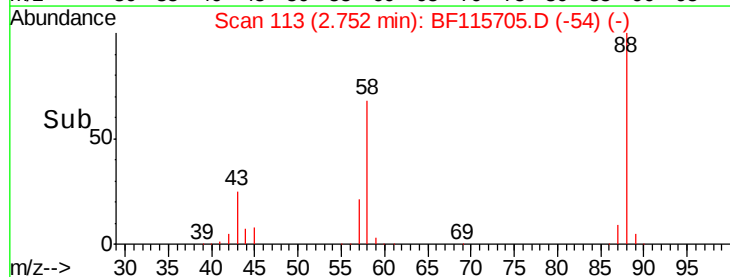
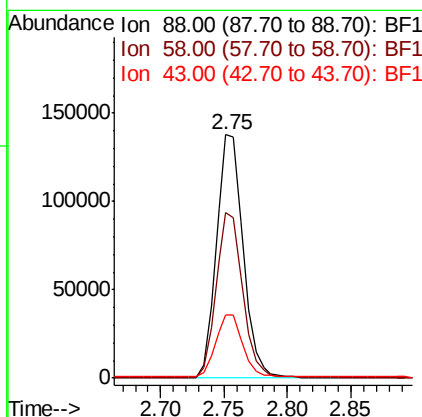
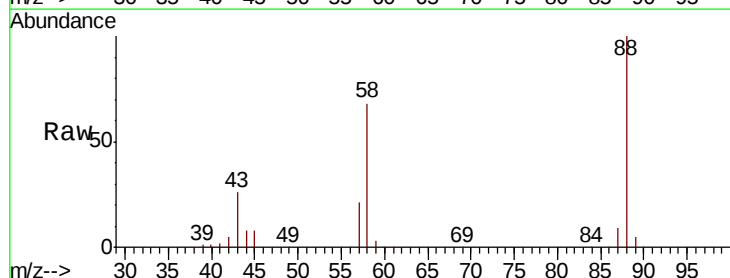
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7/23/2019 4:24:23 PM

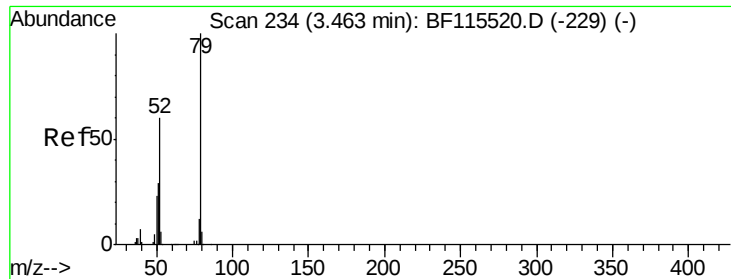


#2

1,4-Dioxane  
Concen: 36.918 ng  
RT: 2.75 min Scan# 113  
Delta R.T. 0.05 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 68.2  | 52.6  | 79.0  |
| 43      | 25.7  | 19.1  | 28.7  |





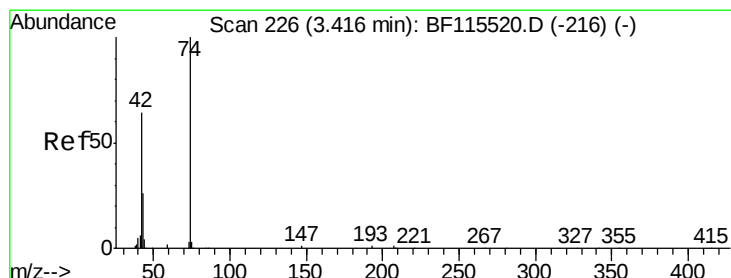
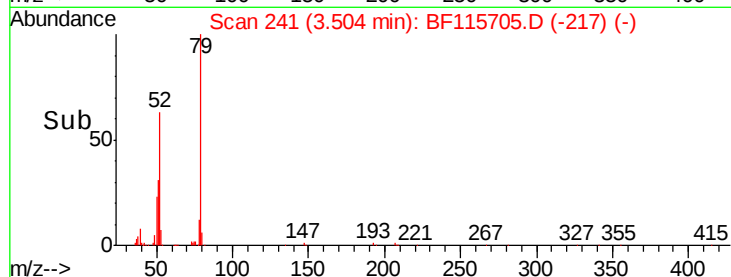
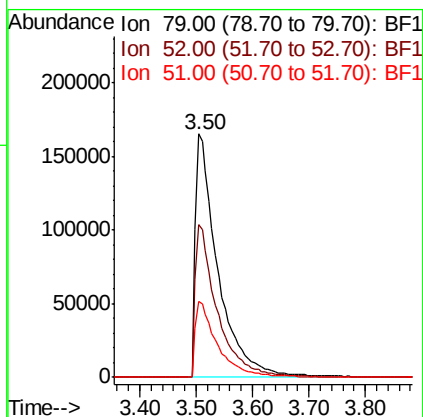
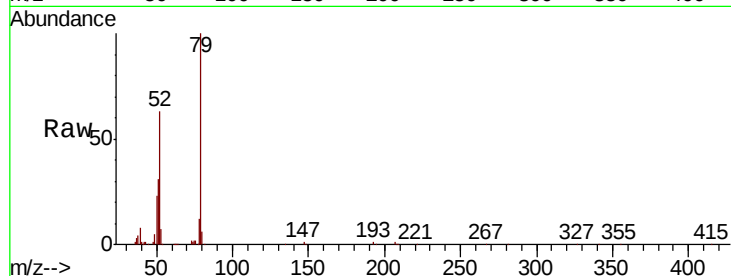
#3  
Pvridine  
Concen: 30.665 ng  
RT: 3.50 min Scan# 241  
Delta R.T. 0.04 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB121540BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 62.6  | 47.8  | 71.6  |
| 51      | 31.3  | 23.8  | 35.8  |

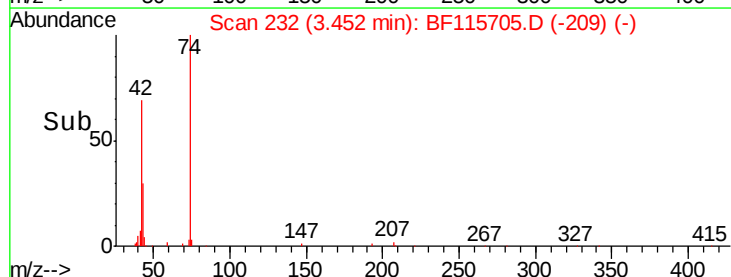
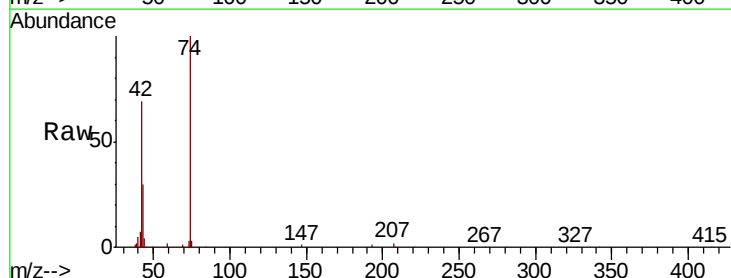
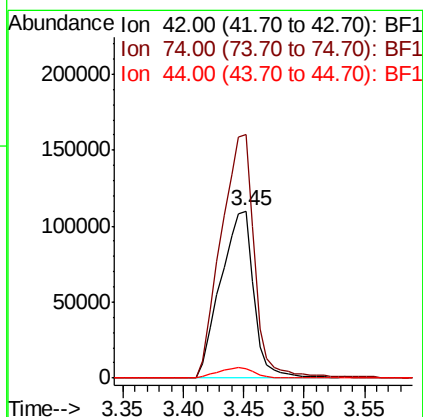
Manual Integrations  
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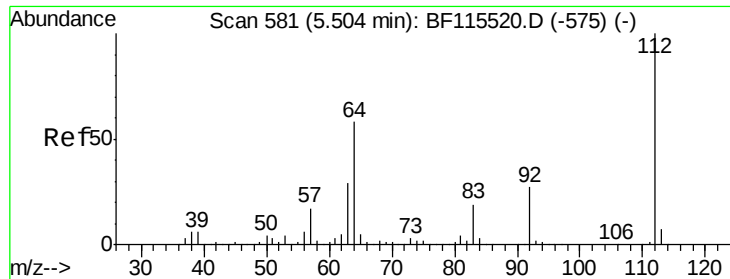
mohammad  
7/23/2019 4:24:23 PM



#4  
n-Nitrosodimethylamine  
Concen: 38.886 ng  
RT: 3.45 min Scan# 232  
Delta R.T. 0.04 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 145.6 | 127.5 | 191.3 |
| 44      | 5.8   | 5.0   | 7.6   |





#5

2-Fluorophenol

Concen: 111.771 ng

RT: 5.52 min Scan# 583

Delta R.T. 0.01 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

Instrument :

BNA\_F

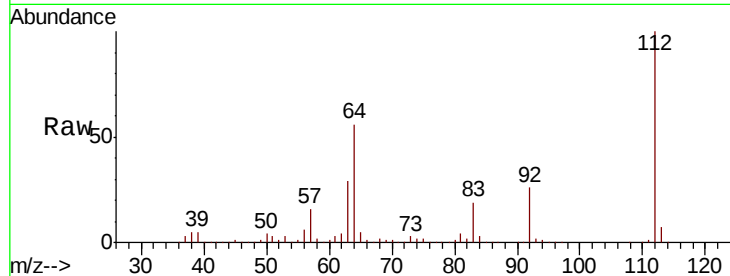
ClientSampleId :

PB121540BS

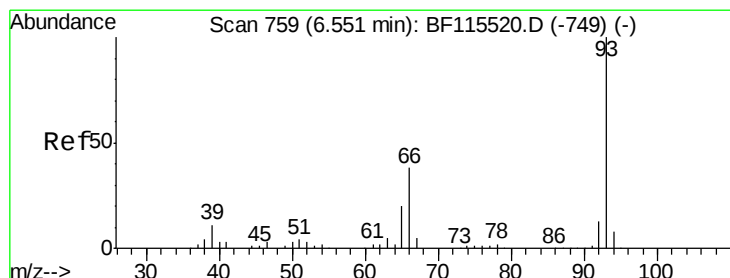
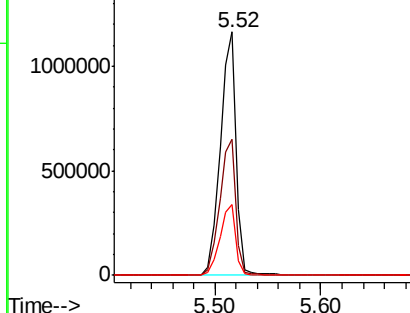
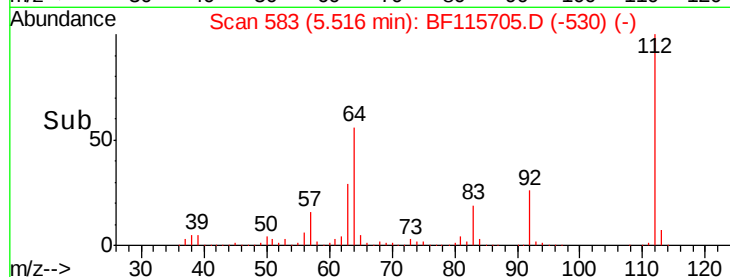
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 56.0  | 46.8  | 70.2  |
| 63      | 29.0  | 24.1  | 36.1  |

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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: 24.986 ng

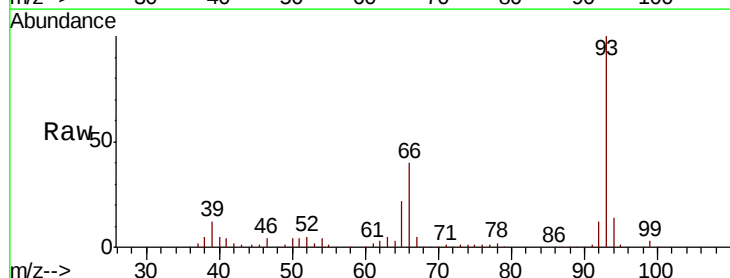
RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

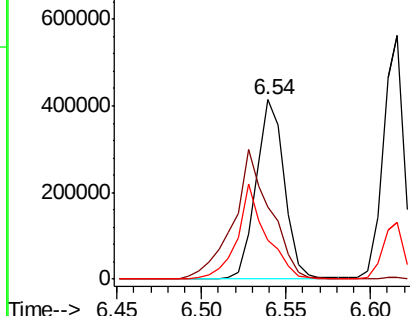
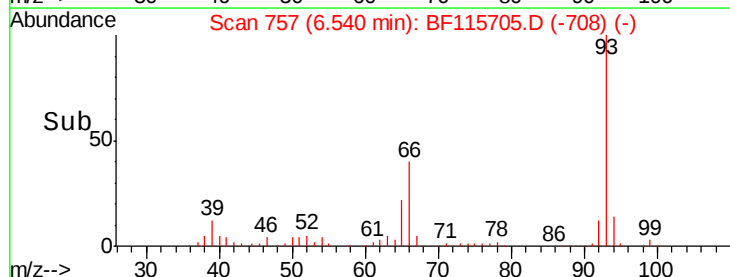
Lab File: BF115705.D

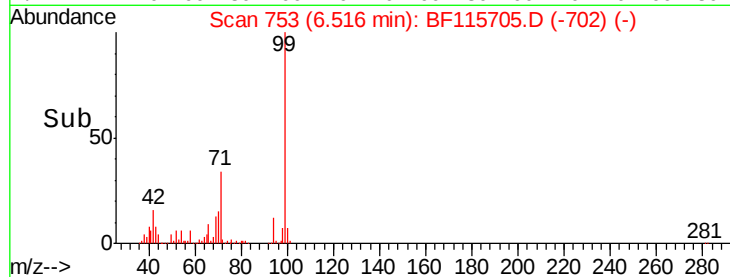
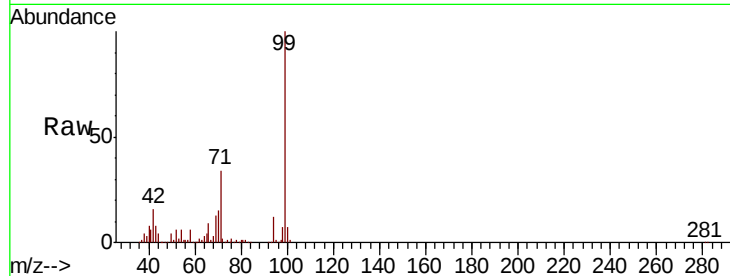
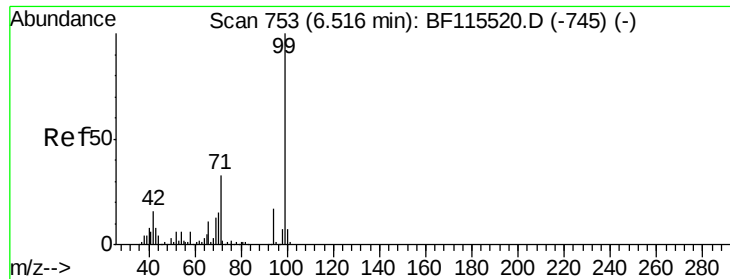
Acq: 22 Jul 2019 13:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 66      | 40.4  | 31.7  | 47.5  |
| 65      | 21.6  | 16.2  | 24.2  |



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: 113.963 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.00 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

Tot Ion: 99 Resp: 1586934

Ion Ratio Lower Upper

99 100

42 16.4 13.6 20.4

71 33.6 28.5 42.7

Instrument :

BNA\_F

ClientSampleId :

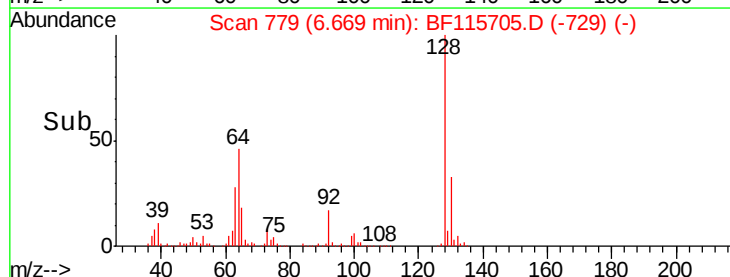
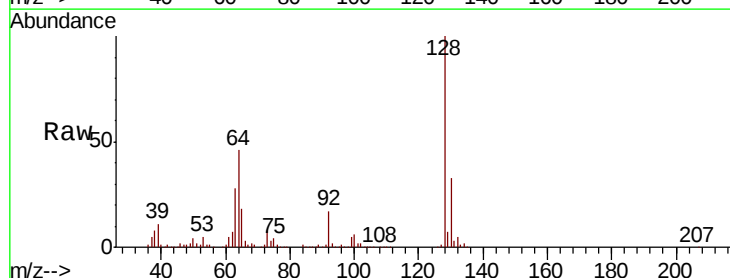
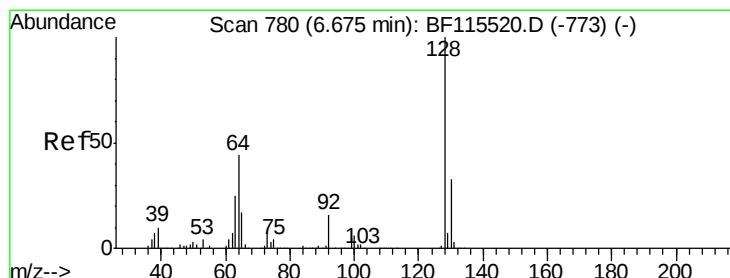
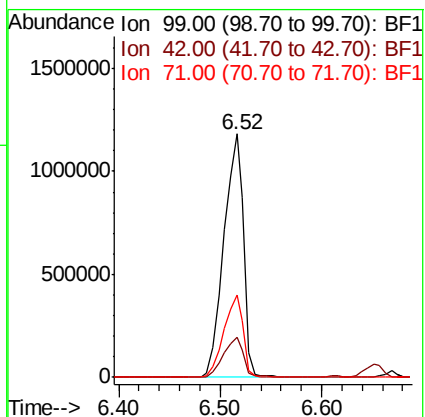
PB121540BS

Manual Integrations

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#8

2-Chlorophenol

Concen: 39.347 ng

RT: 6.67 min Scan# 779

Delta R.T. -0.01 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

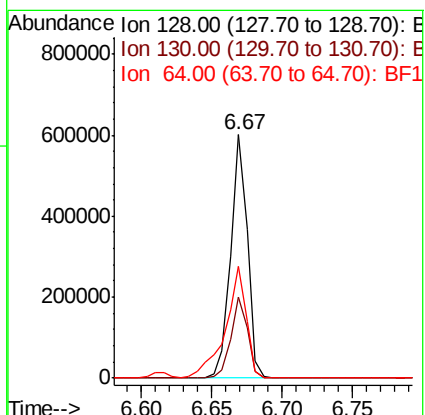
Tgt Ion:128 Resp: 496449

Ion Ratio Lower Upper

128 100

130 33.2 12.8 52.8

64 45.7 26.8 66.8





#9

Benzaldehyde

Concen: 23.634 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

Instrument :

BNA\_F

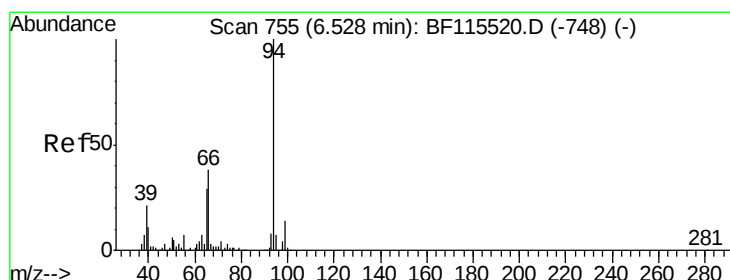
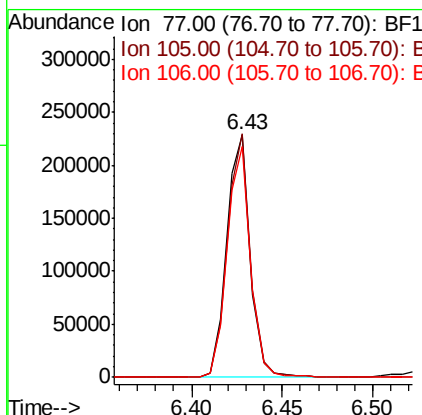
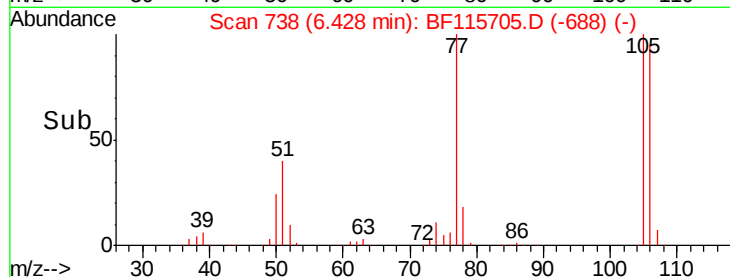
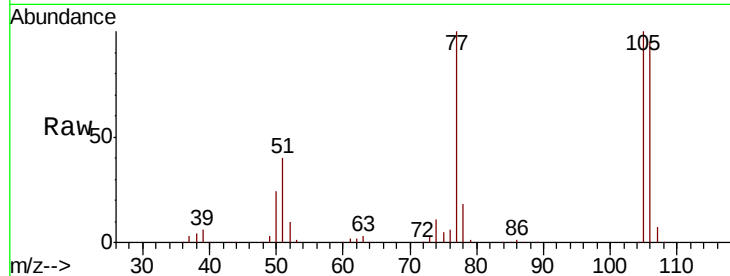
ClientSampleId :

PB121540BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 77    | Resp: | 205657 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 105       | 100.5 | 78.8  | 118.8  |
| 106       | 95.0  | 75.6  | 115.6  |

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#10

Phenol

Concen: 38.502 ng

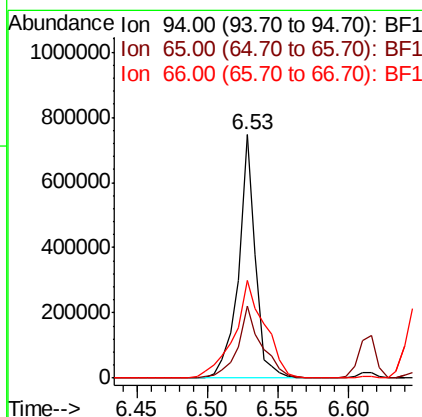
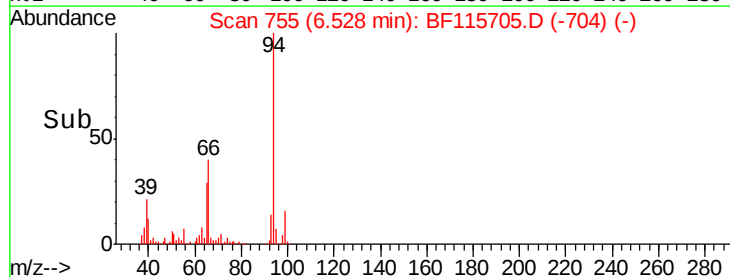
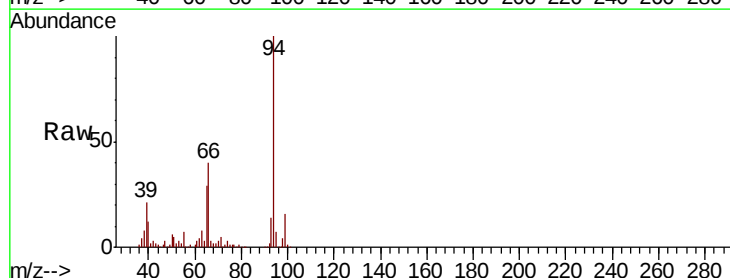
RT: 6.53 min Scan# 755

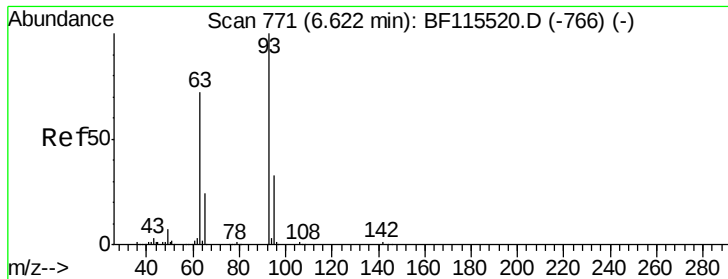
Delta R.T. 0.00 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 94    | Resp: | 622378 |
| Ion Ratio | Lower | Upper |        |
| 94        | 100   |       |        |
| 65        | 29.5  | 14.5  | 54.5   |
| 66        | 40.2  | 31.3  | 71.3   |





#11

bis(2-Chloroethyl)ether

Concen: 38.897 ng

RT: 6.62 min Scan# 770

Delta R.T. -0.01 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

Instrument :

BNA\_F

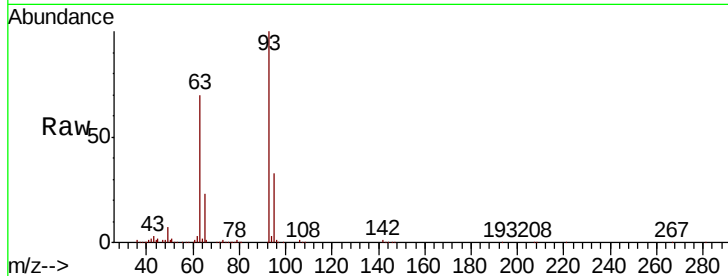
ClientSampleId :

PB121540BS

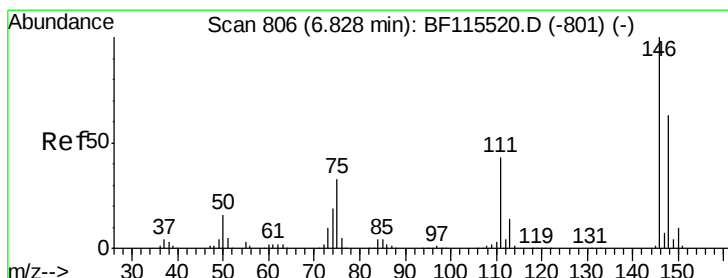
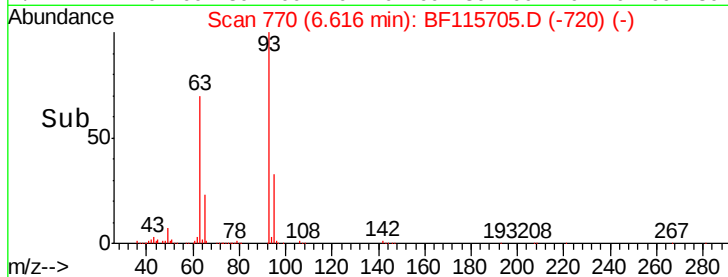
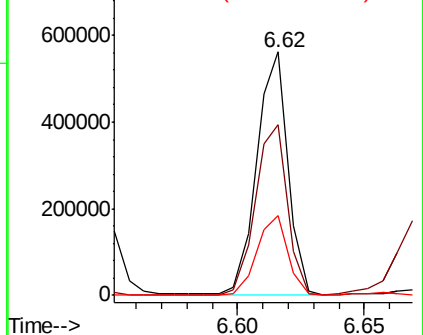
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 478711 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 70.0  | 52.2  | 92.2   |
| 95        | 32.6  | 12.9  | 52.9   |

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



#12

1,3-Dichlorobenzene

Concen: 36.271 ng

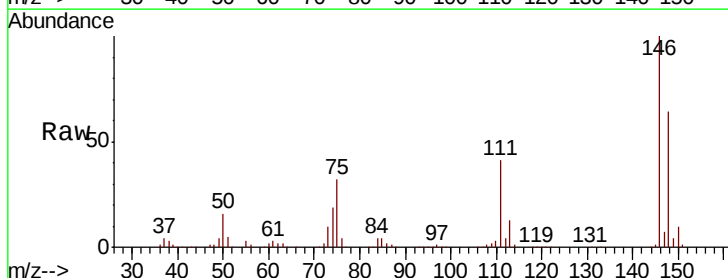
RT: 6.82 min Scan# 805

Delta R.T. -0.01 min

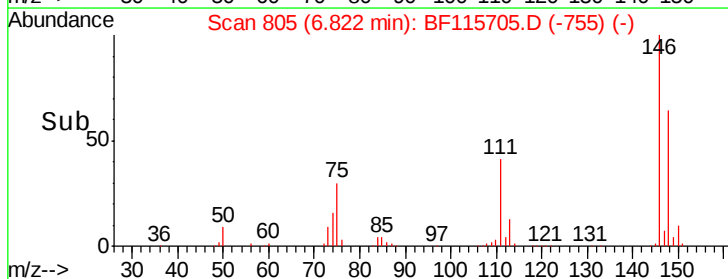
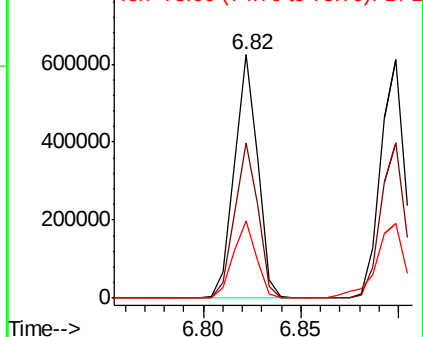
Lab File: BF115705.D

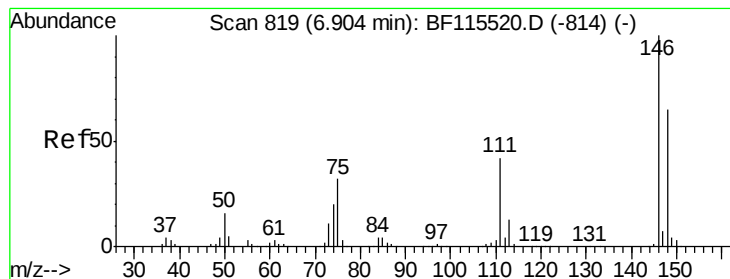
Acq: 22 Jul 2019 13:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 514533 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 63.8  | 52.1  | 78.1   |
| 75        | 31.9  | 24.9  | 37.3   |



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





#13

1,4-Dichlorobenzene

Concen: 36.837 ng

RT: 6.90 min Scan# 818

Delta R.T. -0.01 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

Instrument :

BNA\_F

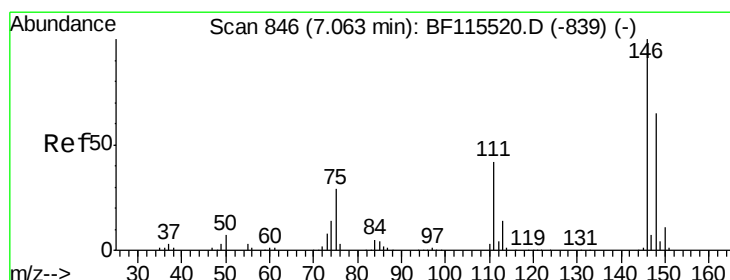
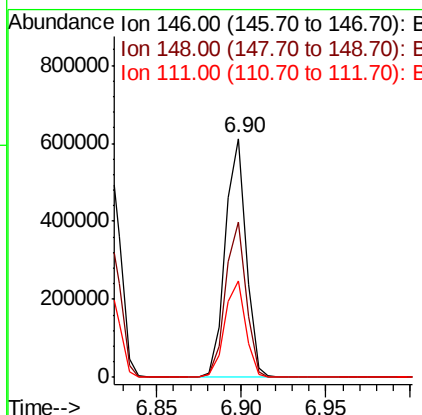
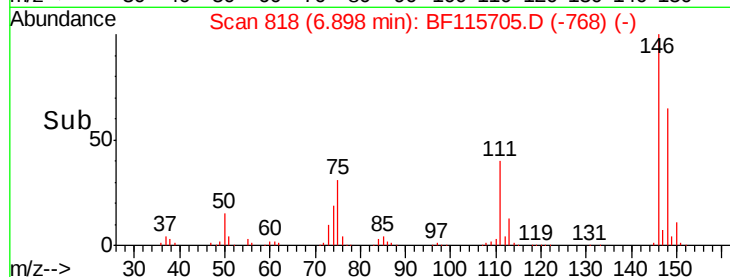
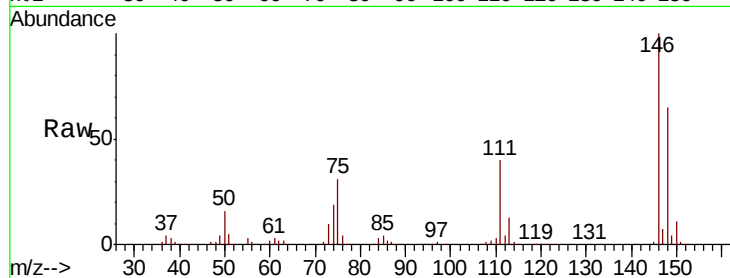
ClientSampleId :

PB121540BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 521394 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 65.0  | 51.8  | 77.6   |
| 111       | 40.5  | 35.5  | 53.3   |

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#14

1,2-Dichlorobenzene

Concen: 37.848 ng

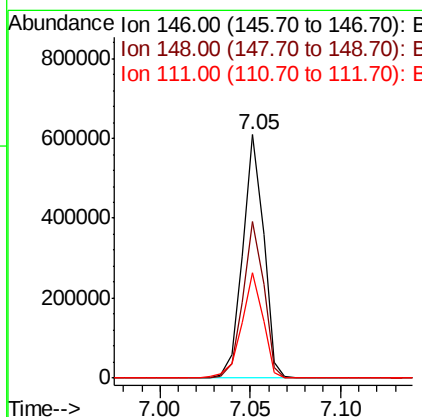
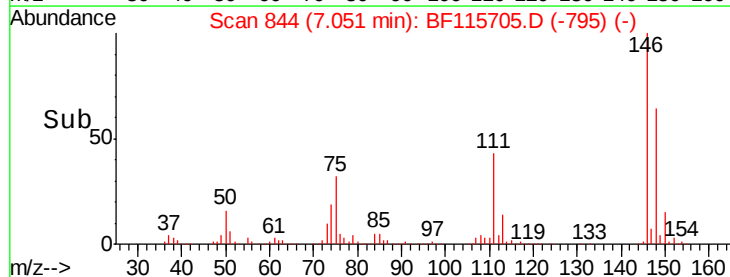
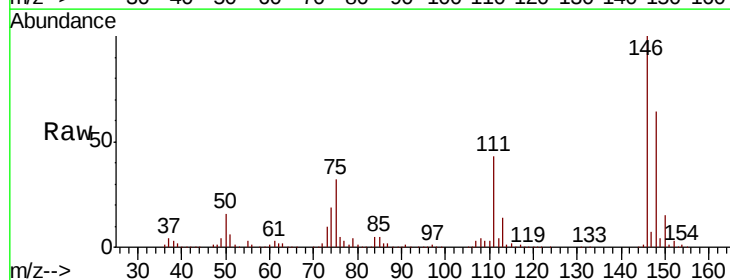
RT: 7.05 min Scan# 844

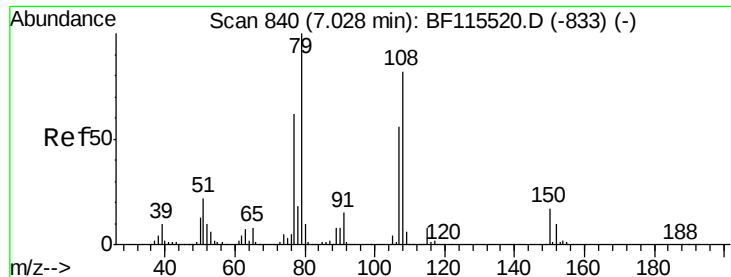
Delta R.T. -0.01 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 489705 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 64.2  | 51.1  | 76.7   |
| 111       | 43.2  | 37.6  | 56.4   |





#15

Benzyl Alcohol

Concen: 36.993 ng

RT: 7.02 min Scan# 839

Delta R.T. -0.01 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

Instrument :

BNA\_F

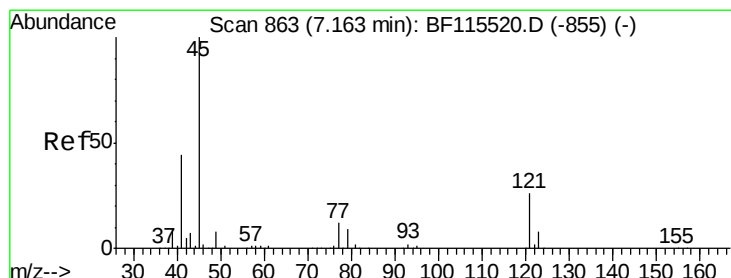
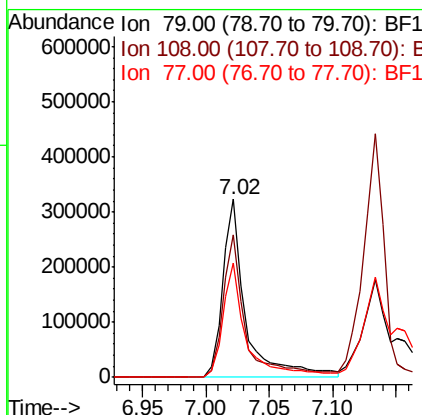
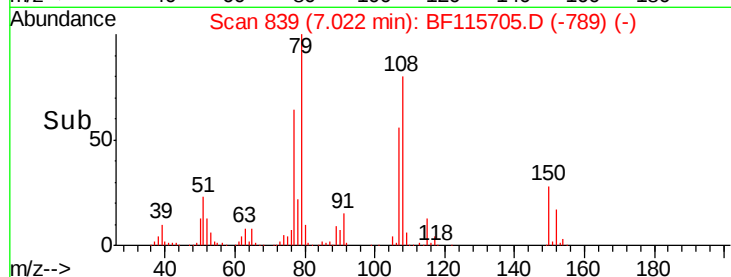
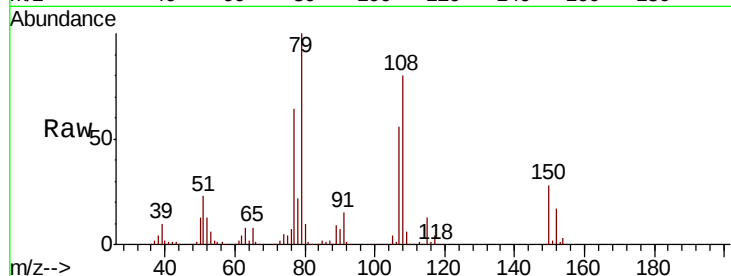
ClientSampled :

PB121540BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 408641 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 79.7  | 64.2  | 96.4   |
| 77        | 64.2  | 51.8  | 77.8   |

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#16

2,2'-oxybis(1-chloropropane)

Concen: 39.488 ng

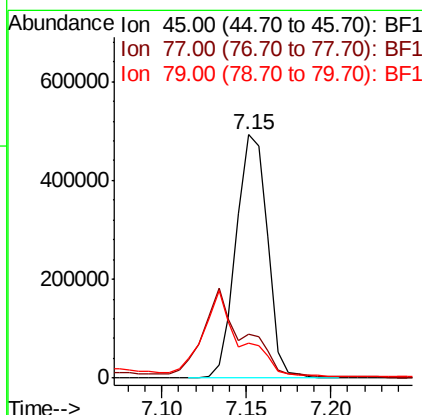
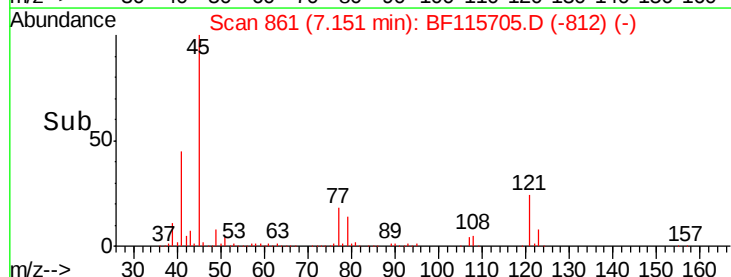
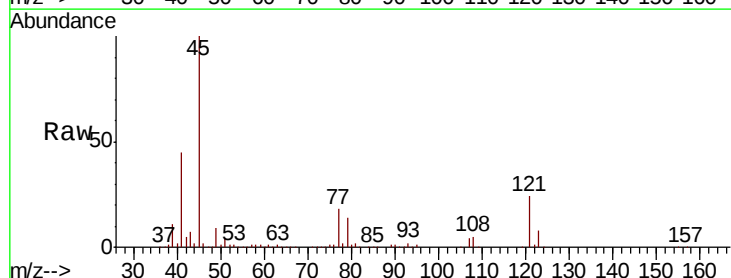
RT: 7.15 min Scan# 861

Delta R.T. -0.01 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 639825 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 18.3  | 0.0   | 38.1   |
| 79        | 14.4  | 0.0   | 34.1   |





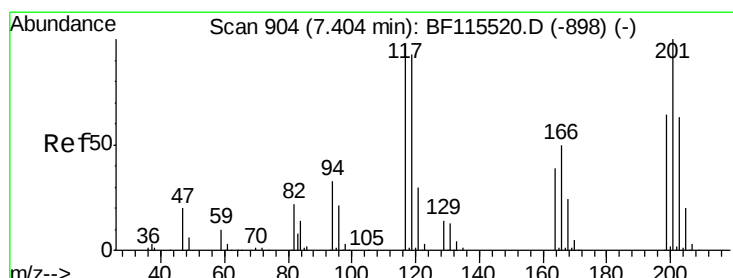
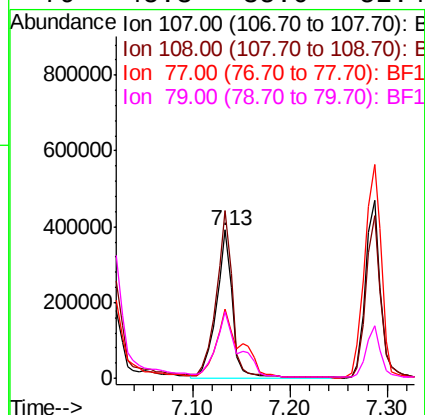
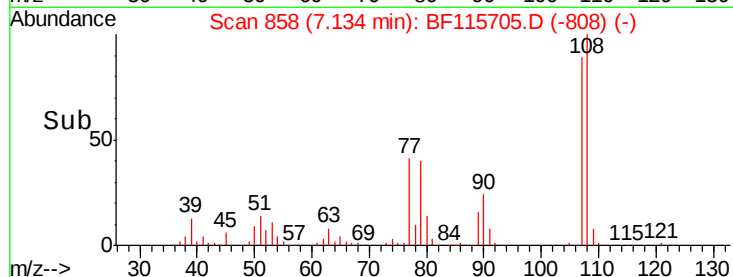
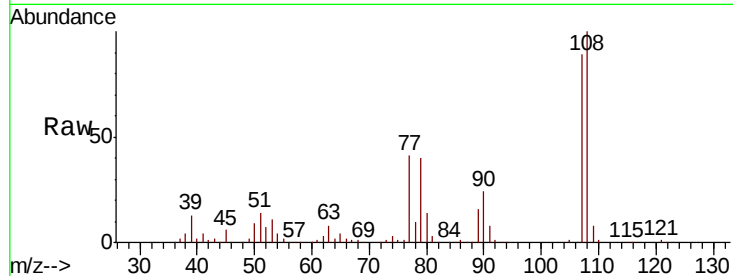
#17  
2-Methylphenol  
Concen: 41.112 ng  
RT: 7.13 min Scan# 858  
Delta R.T. -0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB121540BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 447032 |       |       |
| 108     | 112.9 | 89.4   | 134.2 |       |
| 77      | 46.7  | 35.7   | 53.5  |       |
| 79      | 45.3  | 35.0   | 52.4  |       |

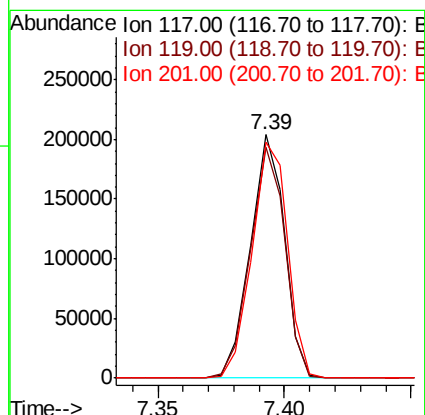
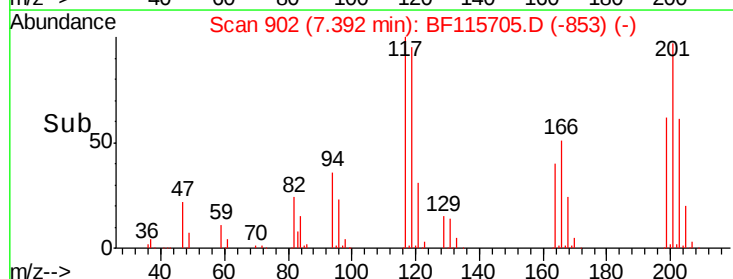
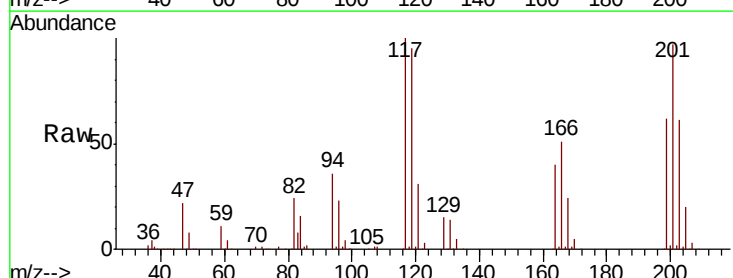
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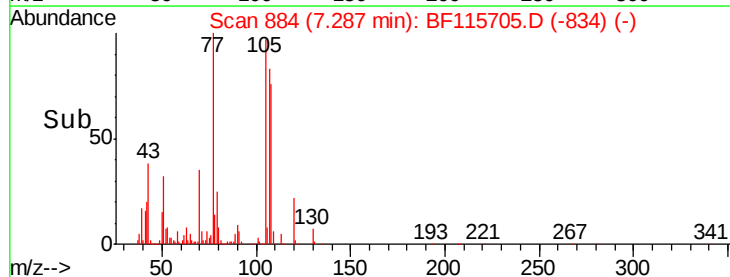
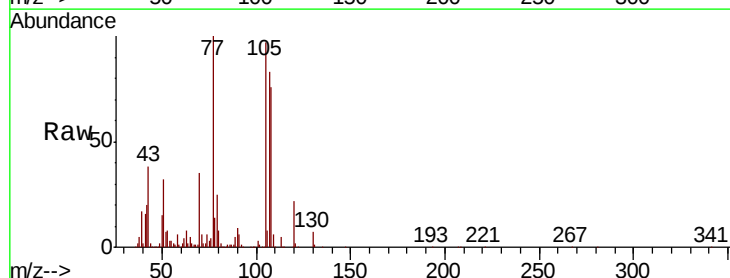
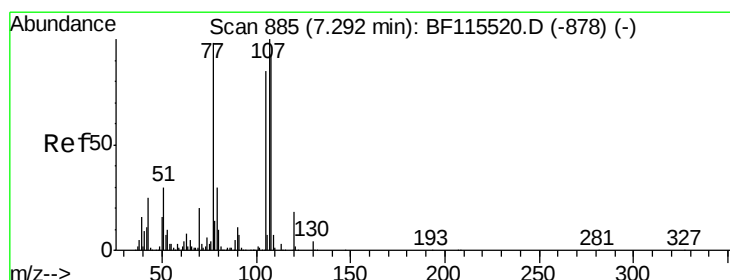
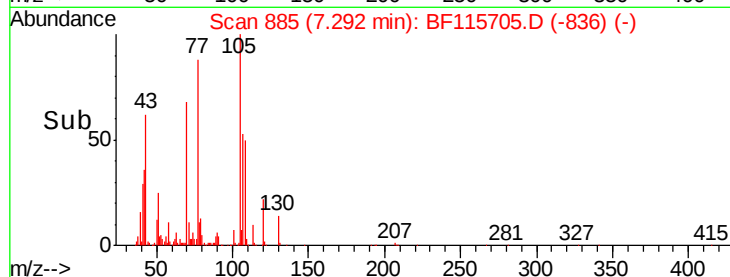
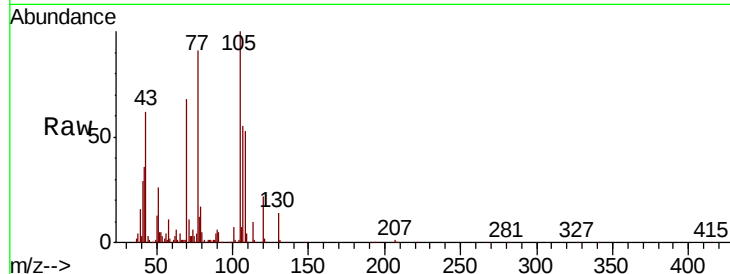
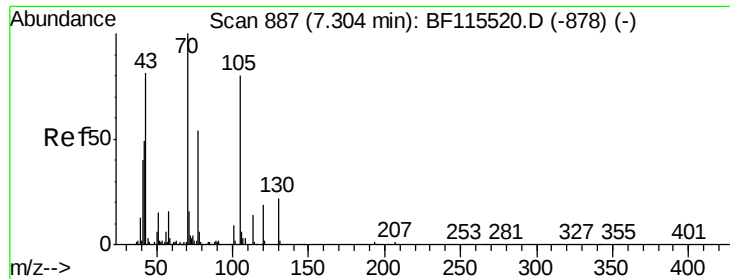
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#18  
Hexachloroethane  
Concen: 36.431 ng  
RT: 7.39 min Scan# 902  
Delta R.T. -0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 117     | 100   | 191392 |       |       |
| 119     | 94.9  | 77.7   | 116.5 |       |
| 201     | 97.1  | 86.0   | 129.0 |       |





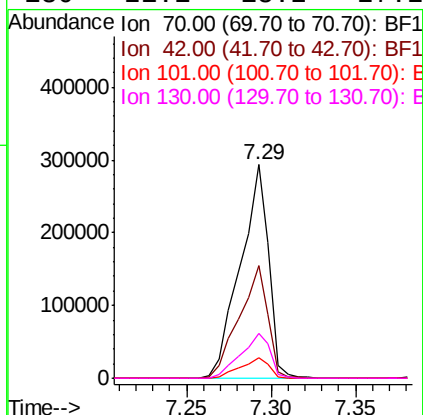
#19  
n-Nitroso-di-n-propylamine  
Concen: 37.764 ng  
RT: 7.29 min Scan# 885  
Delta R.T. -0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB121540BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 53.0  | 39.6  | 59.4  |
| 101     | 9.7   | 8.1   | 12.1  |
| 130     | 21.1  | 18.2  | 27.2  |

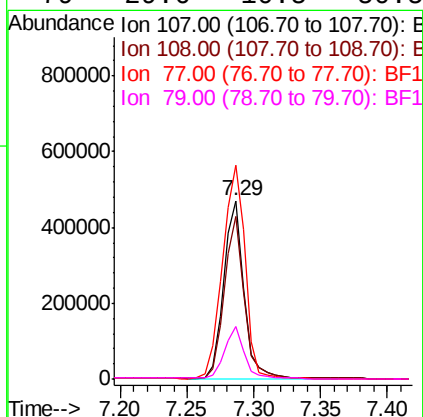
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#20  
3+4-Methylphenols  
Concen: 38.882 ng  
RT: 7.29 min Scan# 884  
Delta R.T. -0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 107     | 100   |       |        |
| 108     | 91.1  | 72.9  | 112.9  |
| 77      | 119.8 | 77.6  | 117.6# |
| 79      | 29.6  | 10.5  | 50.5   |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

Instrument :

BNA\_F

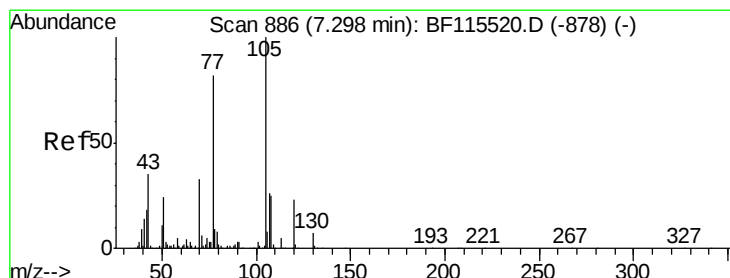
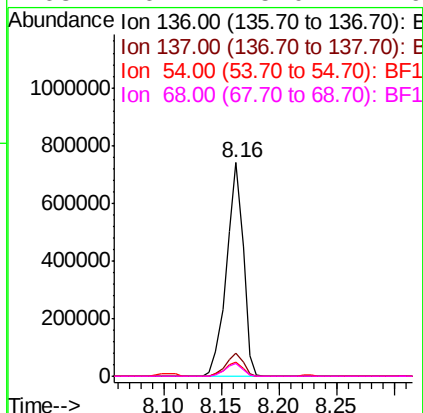
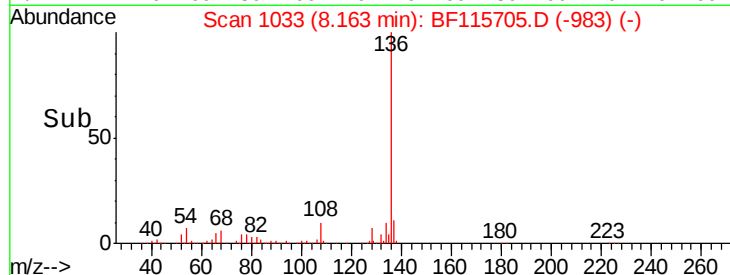
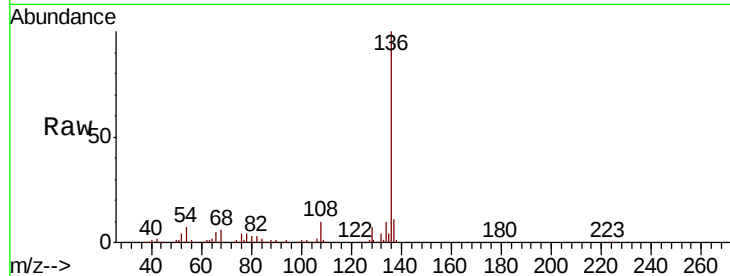
ClientSampleId :

PB121540BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 742474 |       |       |
| 137     | 11.0 |       | 9.0    | 13.4  |       |
| 54      | 6.9  |       | 5.6    | 8.4   |       |
| 68      | 6.2  |       | 5.0    | 7.6   |       |

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#22

Acetophenone

Concen: 40.478 ng

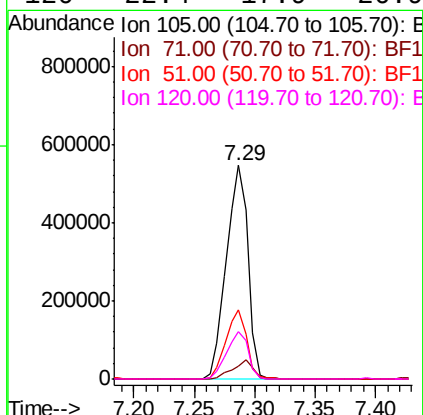
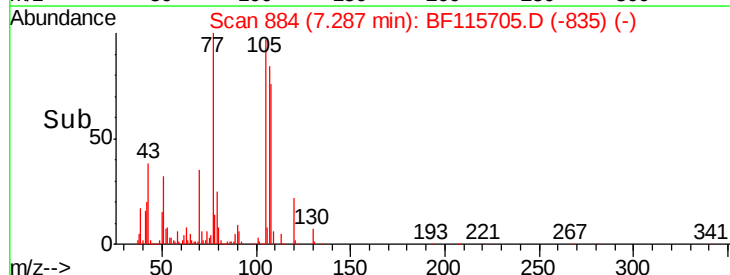
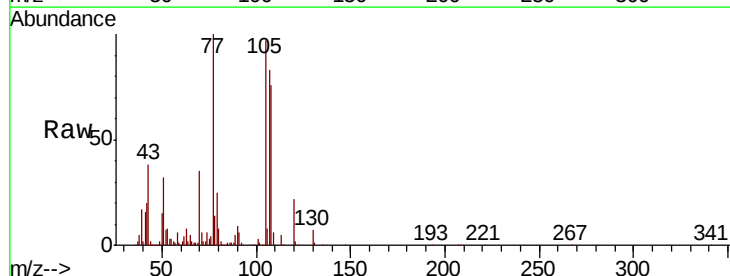
RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 105     | 100  |       | 678955 |       |       |
| 71      | 6.3  |       | 3.5    | 5.3#  |       |
| 51      | 32.6 |       | 25.6   | 38.4  |       |
| 120     | 22.4 |       | 17.9   | 26.9  |       |





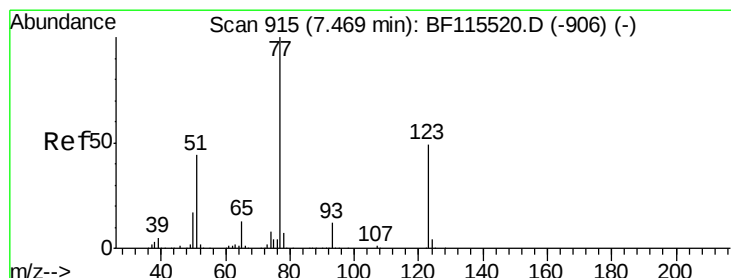
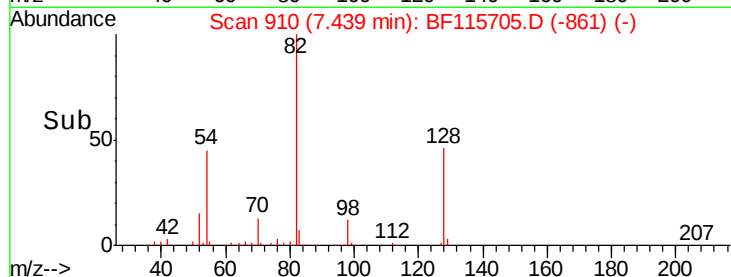
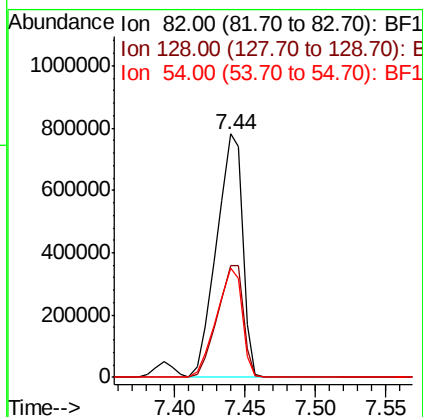
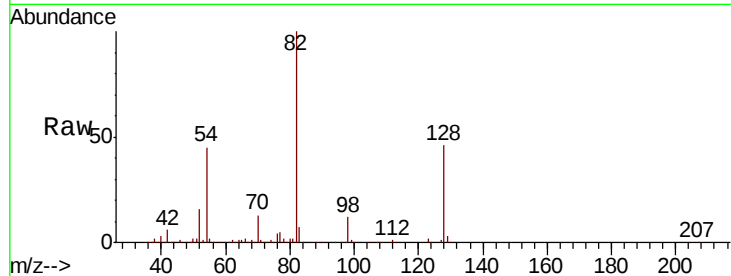
#23  
 Nitrobenzene-d5  
 Concen: 78.528 ng  
 RT: 7.44 min Scan# 910  
 Delta R.T. -0.01 min  
 Lab File: BF115705.D  
 Acq: 22 Jul 2019 13:19

Instrument :  
 BNA\_F  
 ClientSampled :  
 PB121540BS

| Tot Ion   | 82   | Resp  | 1002727 |
|-----------|------|-------|---------|
| Ion Ratio | 100  | Lower | Upper   |
| 82        | 100  |       |         |
| 128       | 45.7 | 38.6  | 57.8    |
| 54        | 44.8 | 35.6  | 53.4    |

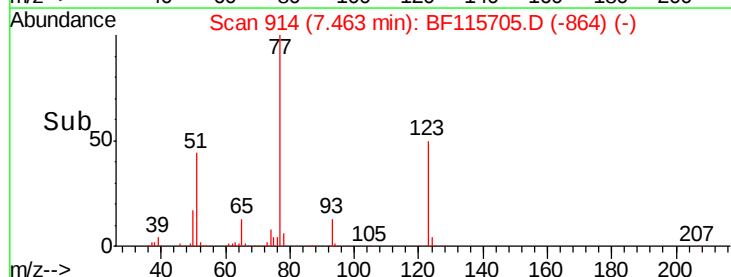
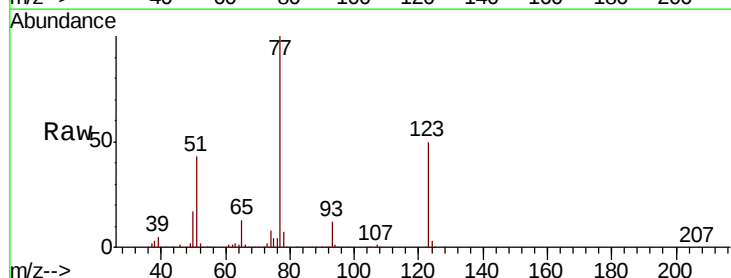
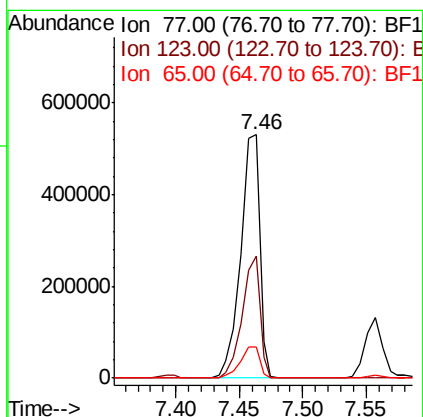
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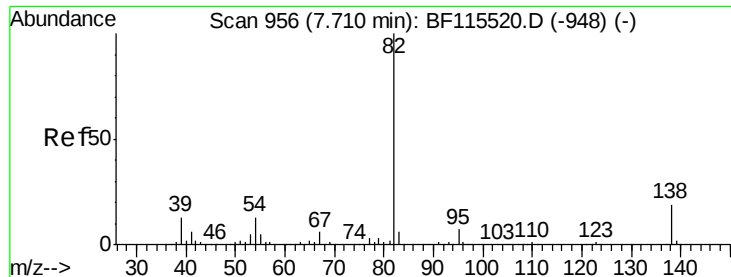
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#24  
 Nitrobenzene  
 Concen: 39.926 ng  
 RT: 7.46 min Scan# 914  
 Delta R.T. -0.01 min  
 Lab File: BF115705.D  
 Acq: 22 Jul 2019 13:19

| Tgt Ion   | 77   | Resp  | 549880 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 77        | 100  |       |        |
| 123       | 50.0 | 40.0  | 60.0   |
| 65        | 12.8 | 11.0  | 16.4   |





#25

Isophorone

Concen: 39.329 ng

RT: 7.70 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

Instrument :

BNA\_F

ClientSampleId :

PB121540BS

Tot Ion: 82 Resp: 1004891

Ion Ratio Lower Upper

82 100

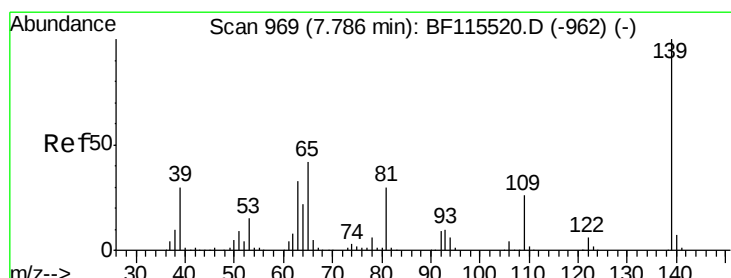
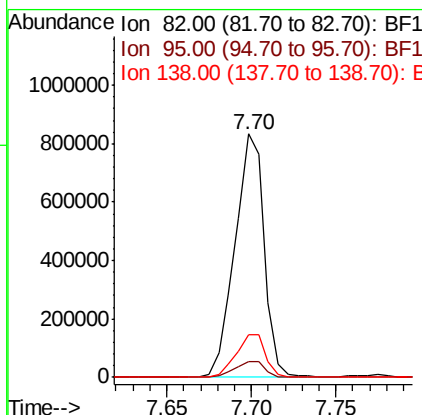
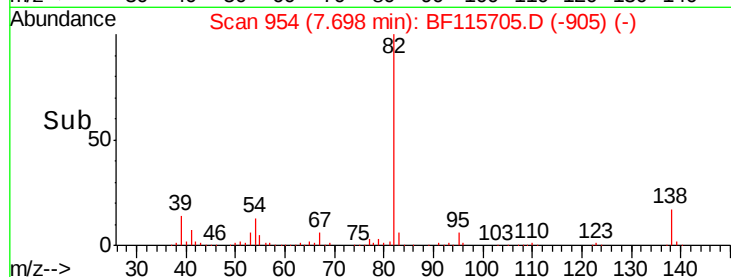
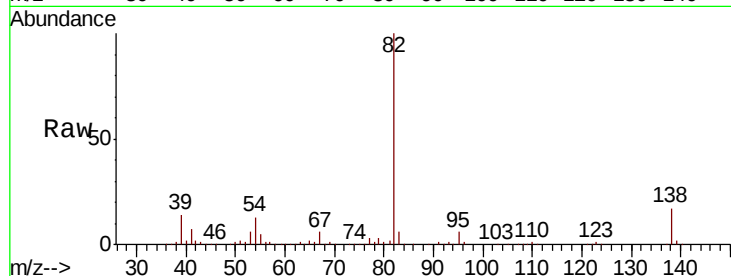
95 6.4 5.5 8.3

138 17.4 14.9 22.3

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#26

2-Nitrophenol

Concen: 39.486 ng

RT: 7.77 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

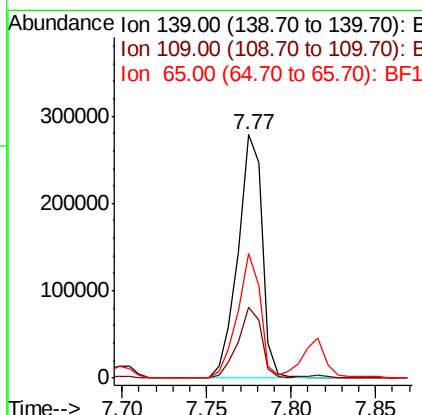
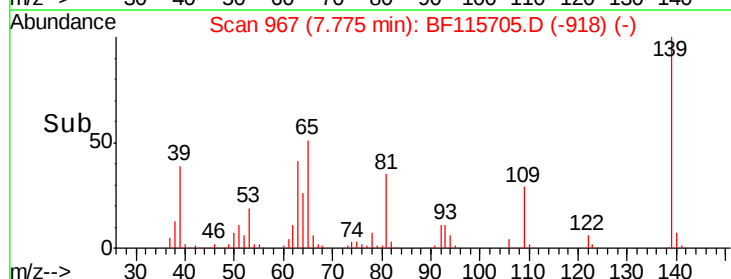
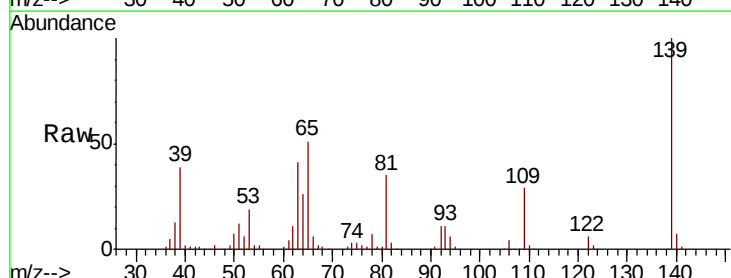
Tgt Ion: 139 Resp: 279914

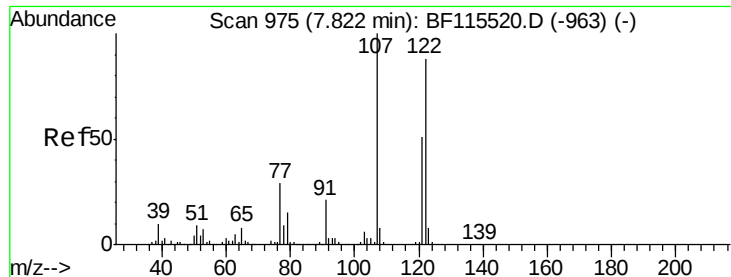
Ion Ratio Lower Upper

139 100

109 28.9 23.3 34.9

65 51.0 37.9 56.9





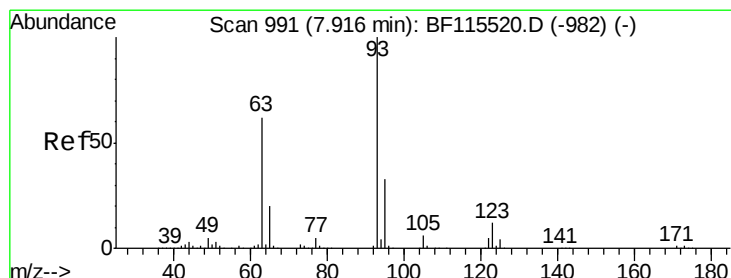
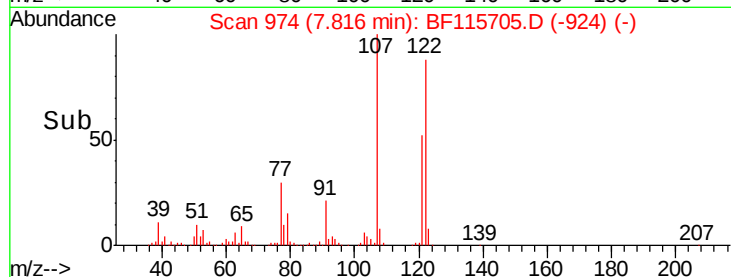
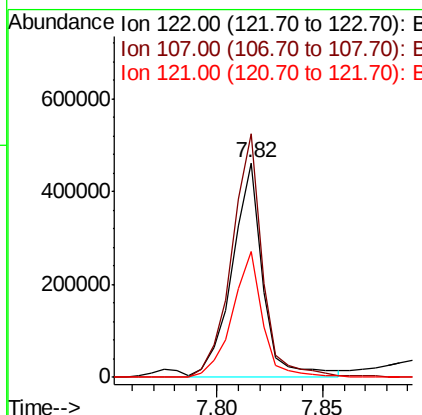
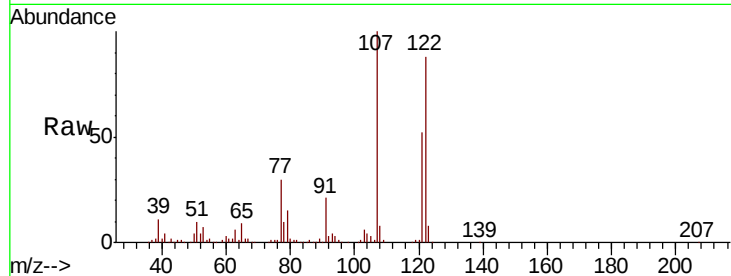
#27  
 2,4-Dimethylphenol  
 Concen: 43.956 ng  
 RT: 7.82 min Scan# 974  
 Delta R.T. -0.01 min  
 Lab File: BF115705.D  
 Acq: 22 Jul 2019 13:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121540BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 466228 |       |       |
| 107     | 113.5 | 92.9   | 139.3 |       |
| 121     | 58.5  | 46.9   | 70.3  |       |

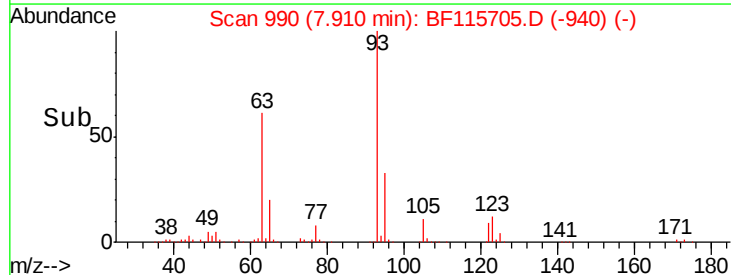
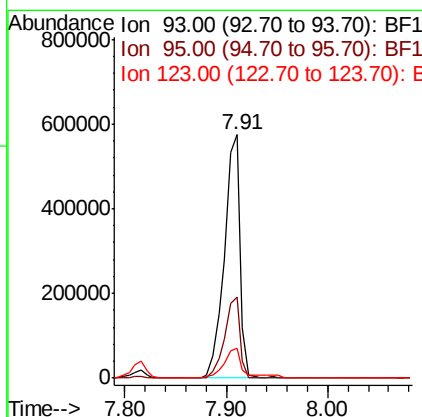
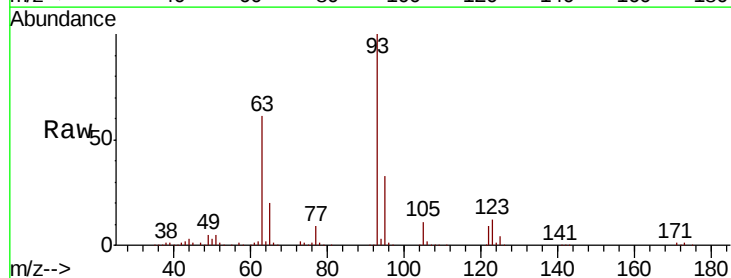
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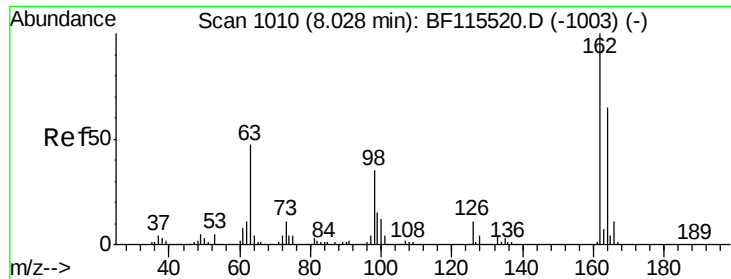
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#28  
 bis(2-Chloroethoxy)methane  
 Concen: 39.206 ng  
 RT: 7.91 min Scan# 990  
 Delta R.T. -0.01 min  
 Lab File: BF115705.D  
 Acq: 22 Jul 2019 13:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 614558 |       |       |
| 95      | 33.5  | 27.0   | 40.4  |       |
| 123     | 12.5  | 9.9    | 14.9  |       |





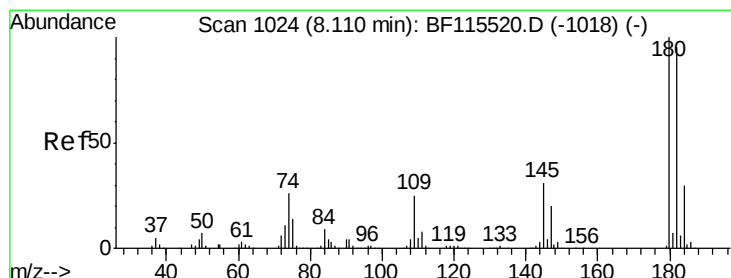
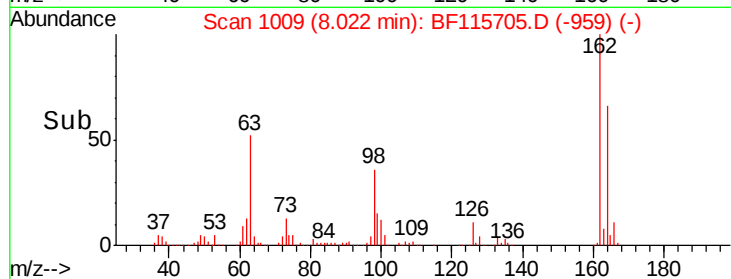
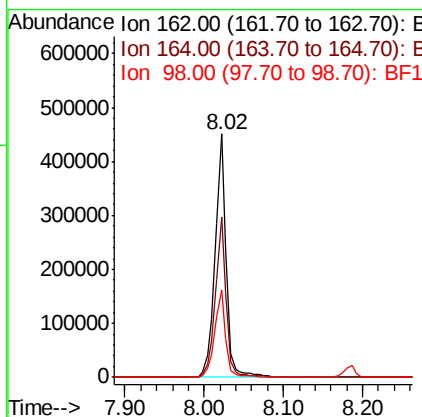
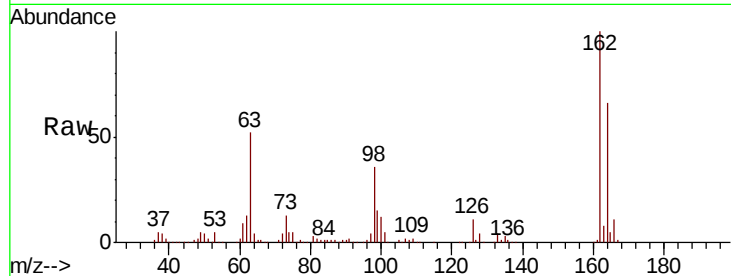
#29  
 2,4-Dichlorophenol  
 Concen: 39.798 ng  
 RT: 8.02 min Scan# 1009  
 Delta R.T. -0.01 min  
 Lab File: BF115705.D  
 Acq: 22 Jul 2019 13:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121540BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 439007 |       |       |
| 164     | 65.7  | 44.9   | 84.9  |       |
| 98      | 35.9  | 17.7   | 57.7  |       |

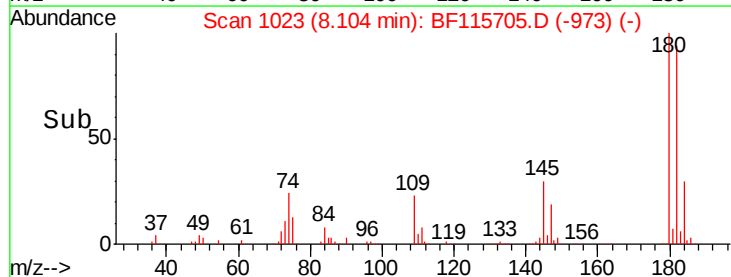
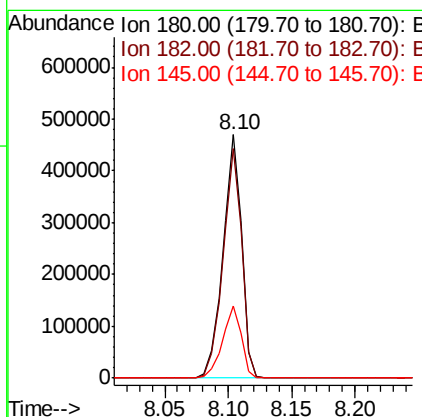
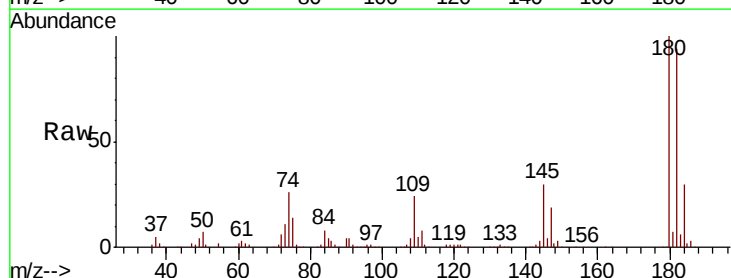
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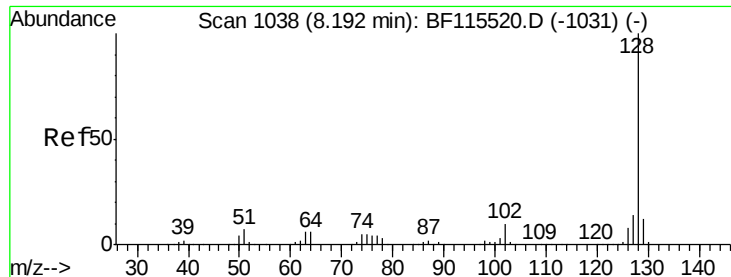
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#30  
 1,2,4-Trichlorobenzene  
 Concen: 38.307 ng  
 RT: 8.10 min Scan# 1023  
 Delta R.T. -0.01 min  
 Lab File: BF115705.D  
 Acq: 22 Jul 2019 13:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 477651 |       |       |
| 182     | 94.4  | 75.0   | 112.6 |       |
| 145     | 29.6  | 25.1   | 37.7  |       |





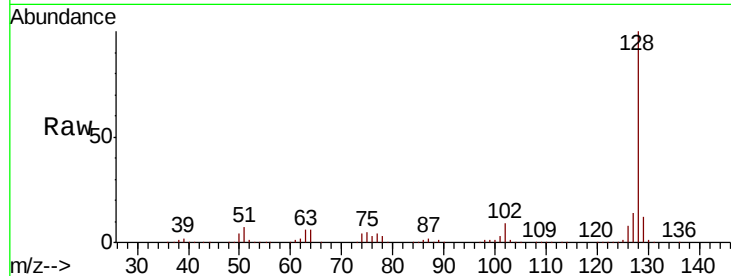
#31  
Naphthalene  
Concen: 40.215 ng  
RT: 8.19 min Scan# 1037  
Delta R.T. -0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB121540BS

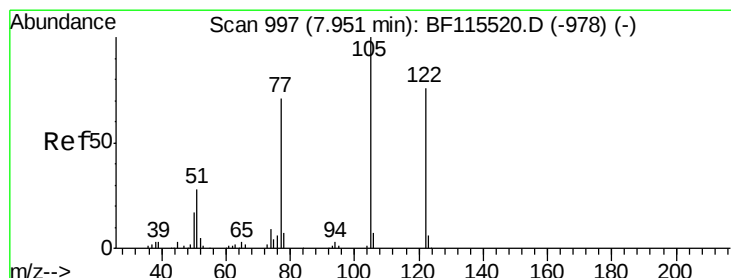
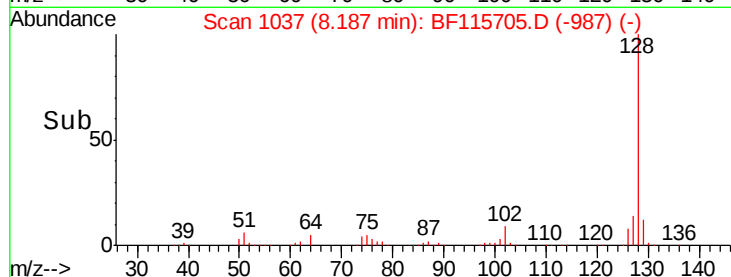
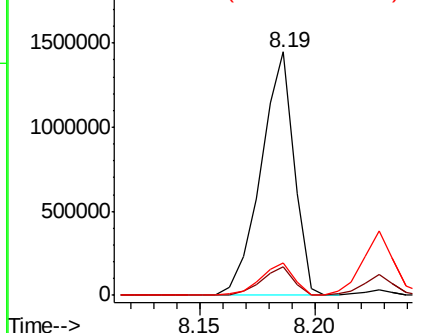
Tot Ion:128 Resp: 1446053  
Ion Ratio Lower Upper  
128 100  
129 11.6 9.9 14.9  
127 13.5 12.1 18.1

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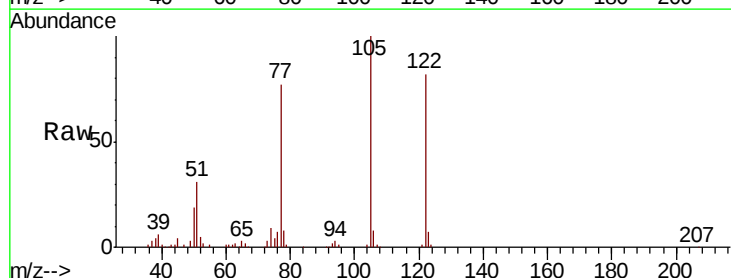


Abundance Ion 128.00 (127.70 to 128.70): E  
2000000 Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

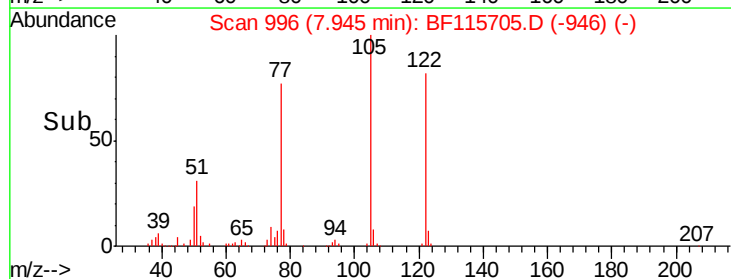
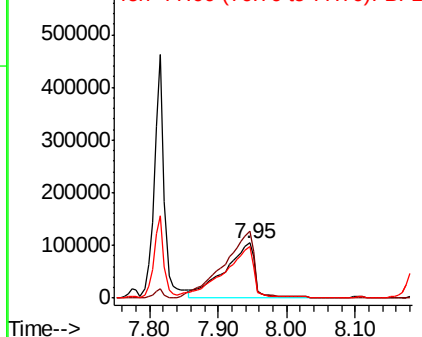


#32  
Benzoic acid  
Concen: 36.589 ng  
RT: 7.95 min Scan# 996  
Delta R.T. -0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

Tgt Ion:122 Resp: 318495  
Ion Ratio Lower Upper  
122 100  
105 121.4 102.5 142.5  
77 93.8 70.2 110.2



Abundance Ion 122.00 (121.70 to 122.70): E  
600000 Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF1





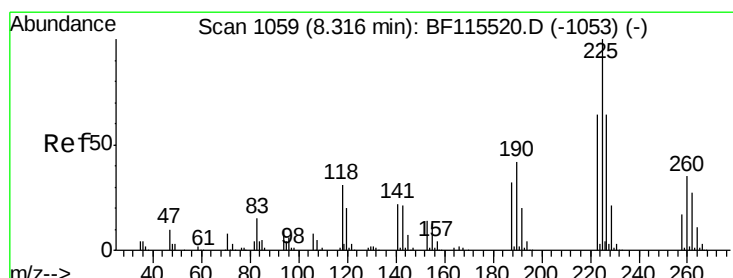
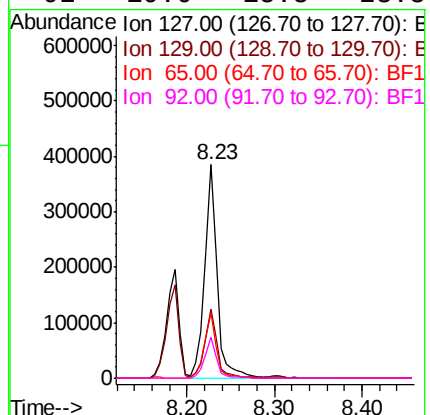
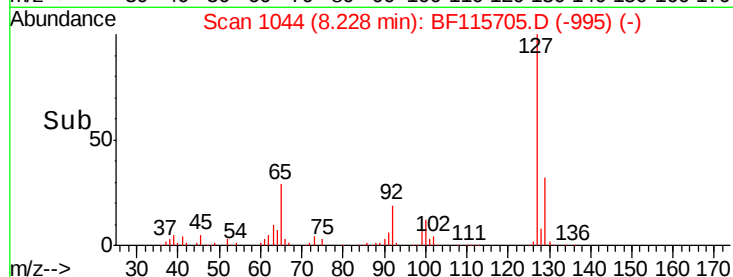
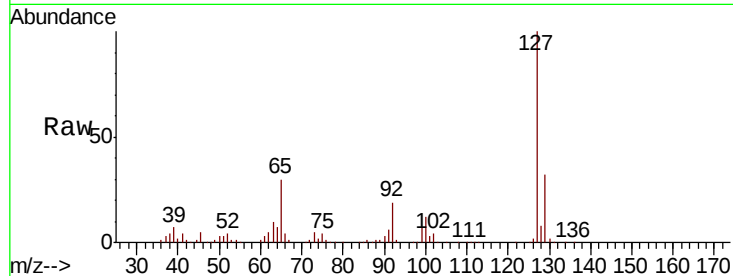
#33  
4-Chloroaniline  
Concen: 24.438 ng  
RT: 8.23 min Scan# 1044  
Delta R.T. -0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB121540BS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 32.2 | 26.6  | 39.8 |       |       |
| 65      | 30.3 | 23.7  | 35.5 |       |       |
| 92      | 19.0 | 15.8  | 23.8 |       |       |

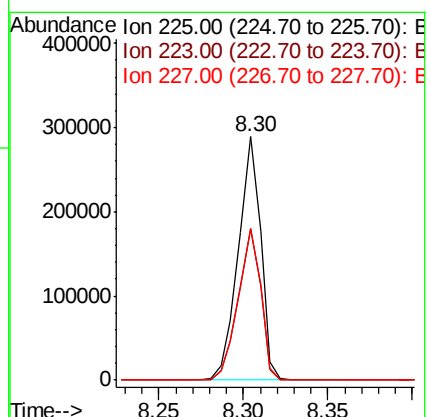
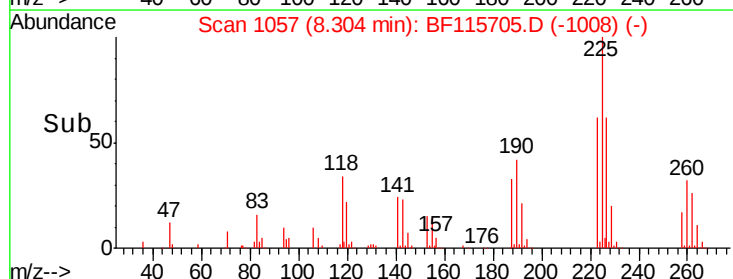
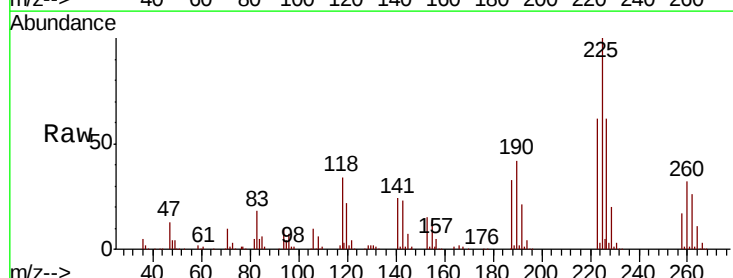
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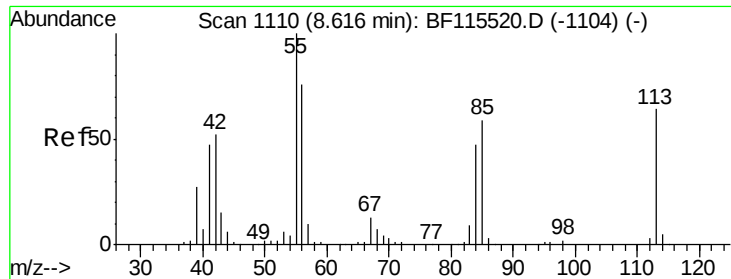
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#34  
Hexachlorobutadiene  
Concen: 37.371 ng  
RT: 8.30 min Scan# 1057  
Delta R.T. -0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 62.0 | 50.9  | 76.3 |       |       |
| 227     | 62.4 | 50.7  | 76.1 |       |       |





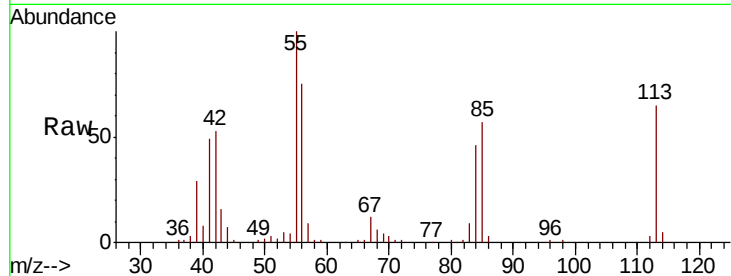
#35  
Caprolactam  
Concen: 40.391 ng/ml  
RT: 8.60 min Scan# 1107  
Delta R.T. -0.02 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB121540BS

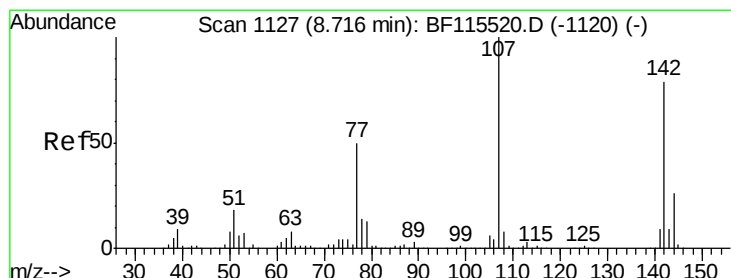
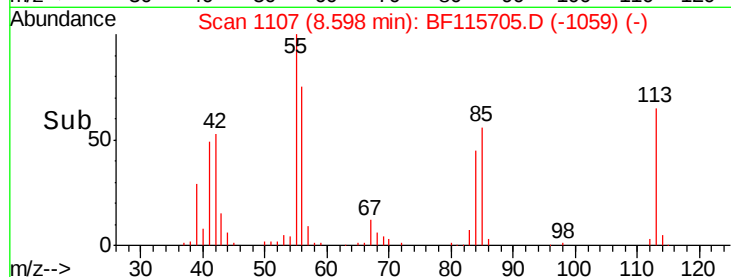
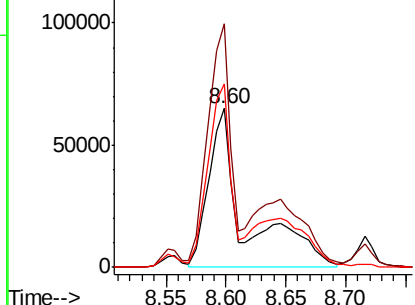
| Tot Ion | Ion   | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|-------|
| 113     | 100   |       |       |       |       |
| 55      | 153.4 |       | 126.9 | 166.9 |       |
| 56      | 115.5 |       | 90.3  | 130.3 |       |

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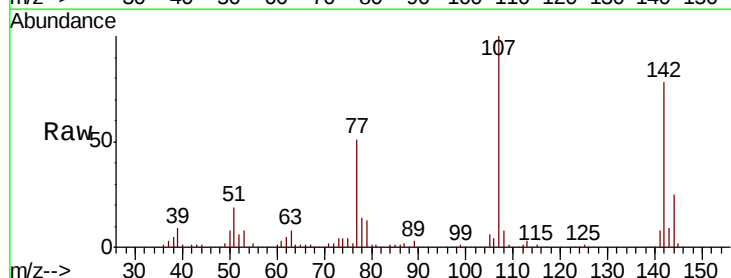


Abundance Ion 113.00 (112.70 to 113.70): E  
Ion 55.00 (54.70 to 55.70): BF1  
Ion 56.00 (55.70 to 56.70): BF1

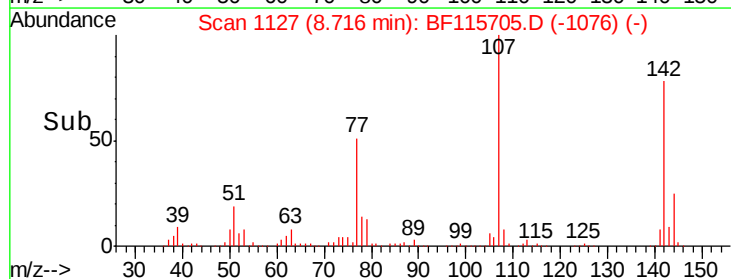
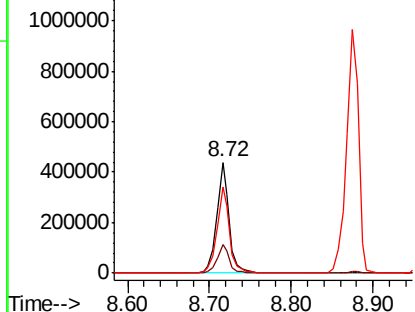


#36  
4-Chloro-3-methylphenol  
Concen: 40.567 ng/ml  
RT: 8.72 min Scan# 1127  
Delta R.T. 0.00 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 107     | 100  |       |      |       |       |
| 144     | 25.4 |       | 20.6 | 30.8  |       |
| 142     | 78.0 |       | 63.1 | 94.7  |       |



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





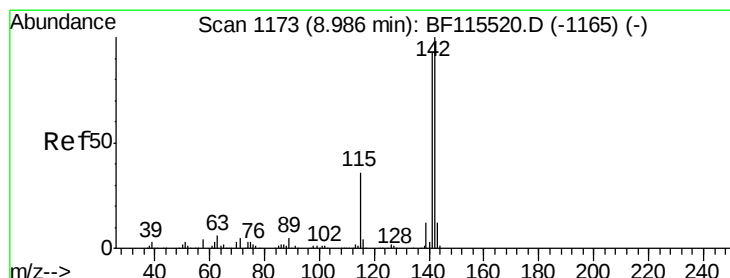
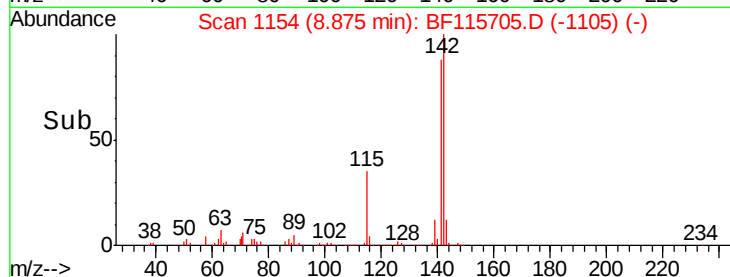
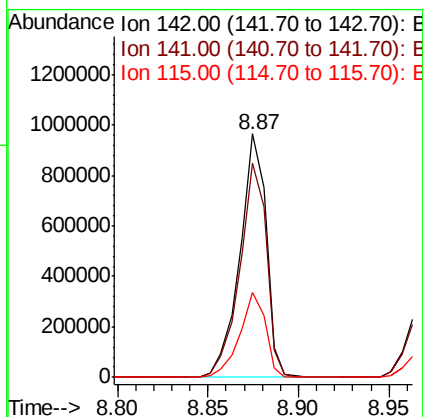
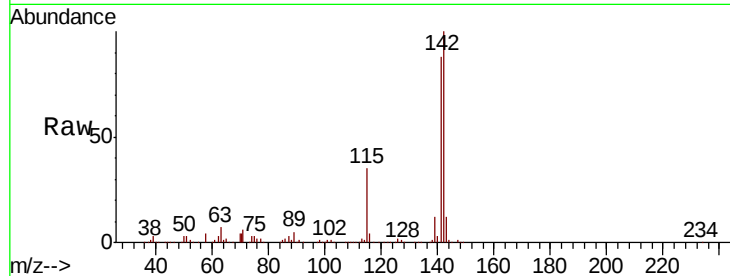
#37  
2-Methylnaphthalene  
Concen: 41.111 ng  
RT: 8.87 min Scan# 1154  
Delta R.T. -0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB121540BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 87.9  | 72.0  | 108.0 |
| 115     | 34.6  | 29.9  | 44.9  |

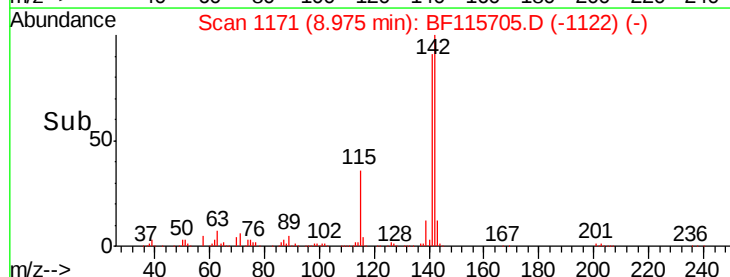
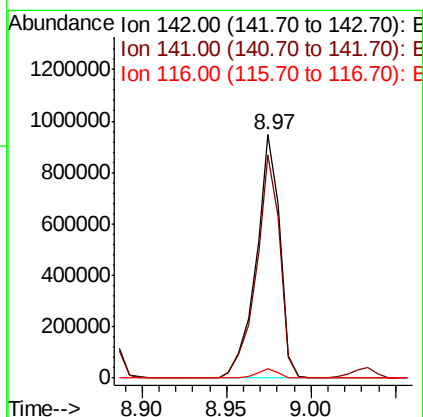
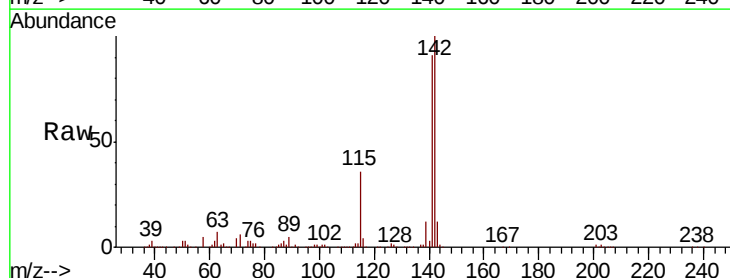
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#38  
1-Methylnaphthalene  
Concen: 40.479 ng  
RT: 8.97 min Scan# 1171  
Delta R.T. -0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.4  | 75.3  | 112.9 |
| 116     | 3.8   | 3.3   | 4.9   |





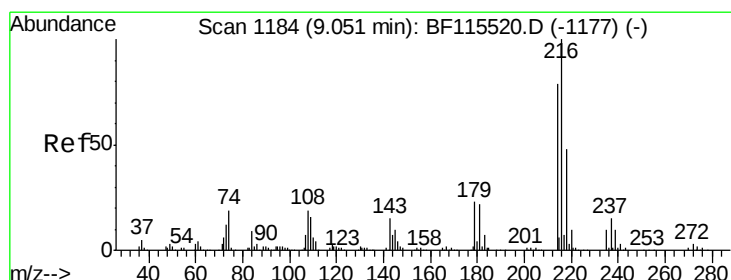
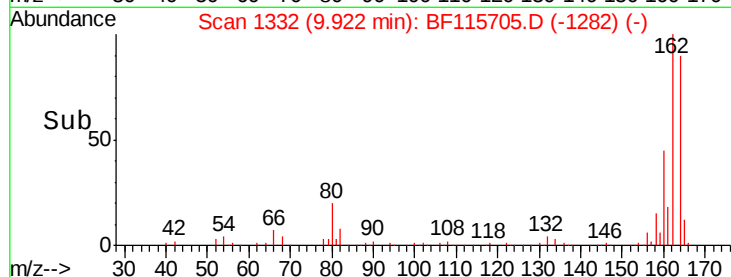
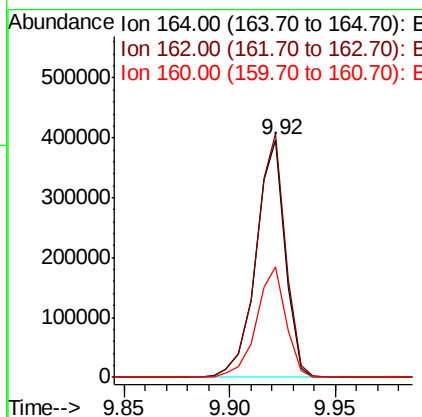
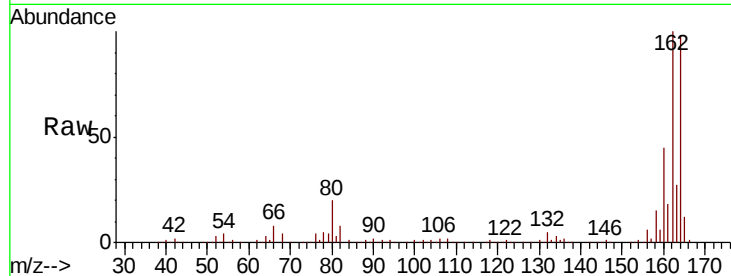
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.92 min Scan# 1332  
Delta R.T. -0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB121540BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 102.6 | 82.9  | 124.3 |
| 160     | 46.3  | 36.8  | 55.2  |

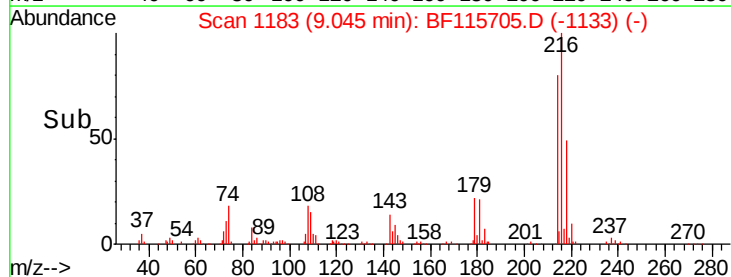
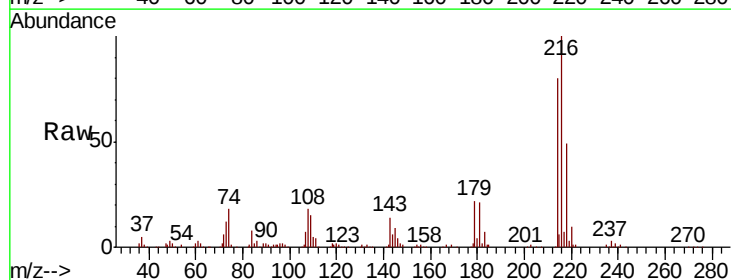
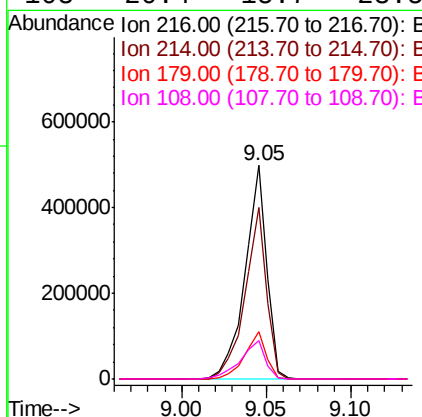
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#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 39.246 ng  
RT: 9.05 min Scan# 1183  
Delta R.T. -0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 79.2  | 65.1  | 97.7  |
| 179     | 22.1  | 18.3  | 27.5  |
| 108     | 20.4  | 15.7  | 23.5  |





#41

Hexachlorocyclopentadiene

Concen: 46.324 ng

RT: 9.03 min Scan# 1181

Delta R.T. -0.01 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

Instrument :

BNA\_F

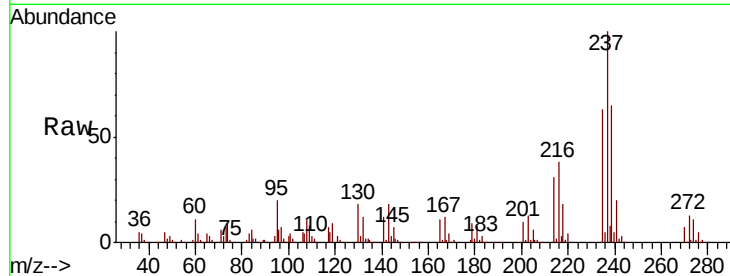
ClientSampleId :

PB121540BS

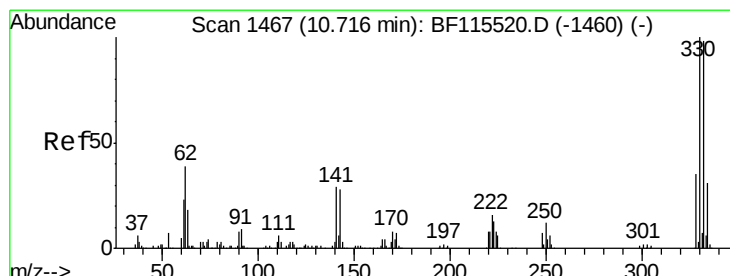
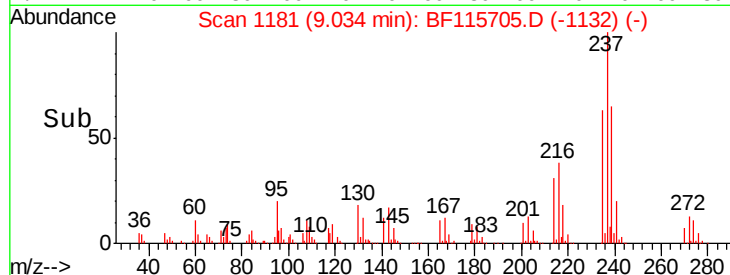
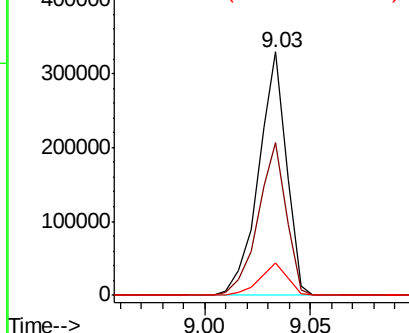
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 237   | Resp: | 302131 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 63.0  | 43.6  | 83.6   |
| 272       | 13.4  | 0.0   | 33.9   |

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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: 108.720 ng

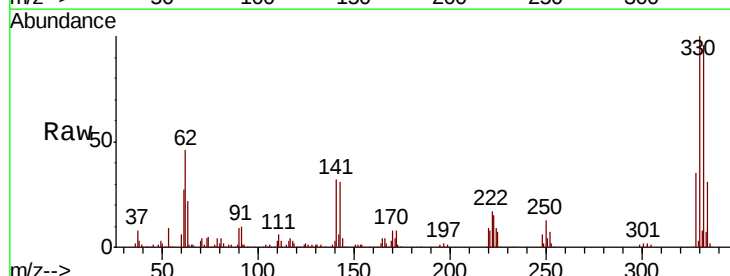
RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

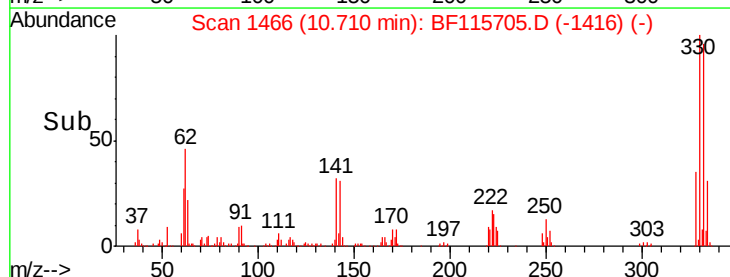
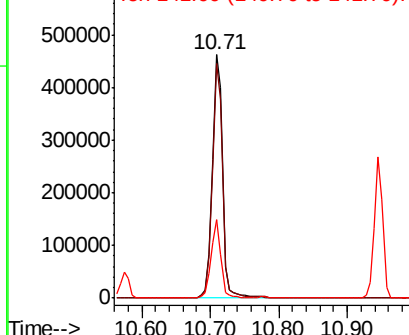
Lab File: BF115705.D

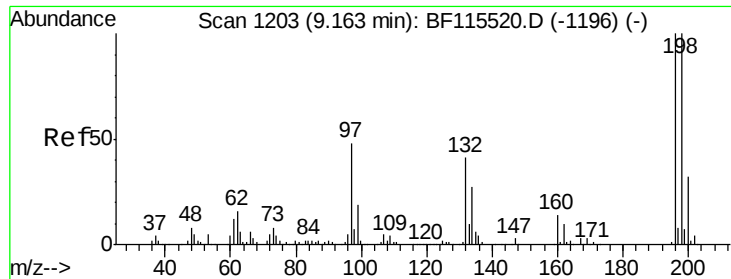
Acq: 22 Jul 2019 13:19

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 481818 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 95.7  | 77.4  | 116.2  |
| 141       | 31.2  | 22.4  | 33.6   |



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





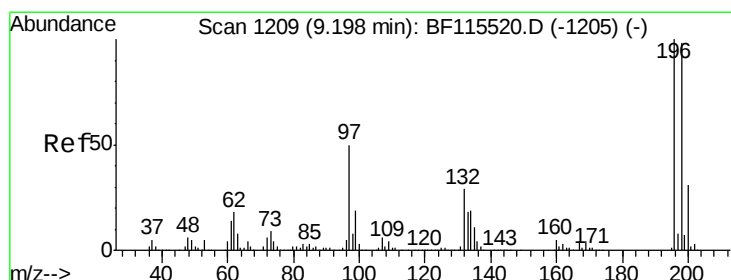
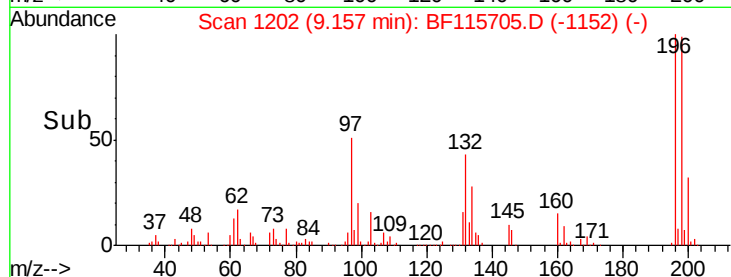
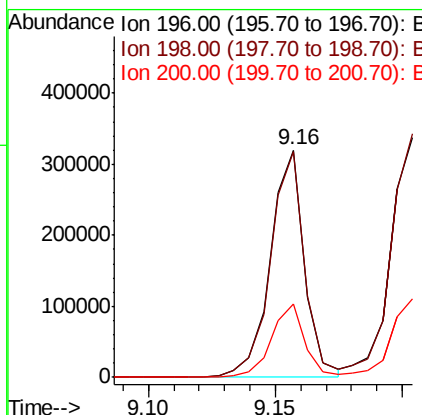
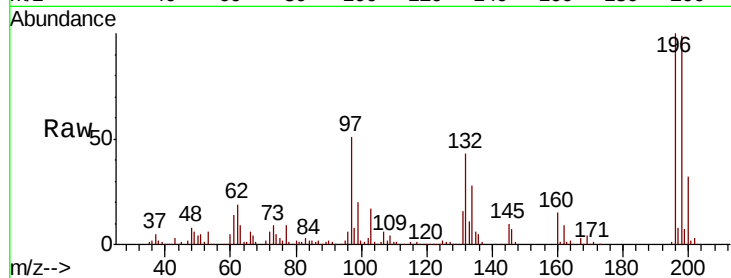
#43  
2,4,6-Trichlorophenol  
Concen: 36.131 ng  
RT: 9.16 min Scan# 1202  
Delta R.T. -0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB121540BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 302097 |       |       |
| 198     | 99.1  | 80.6   | 121.0 |       |
| 200     | 32.2  | 25.8   | 38.6  |       |

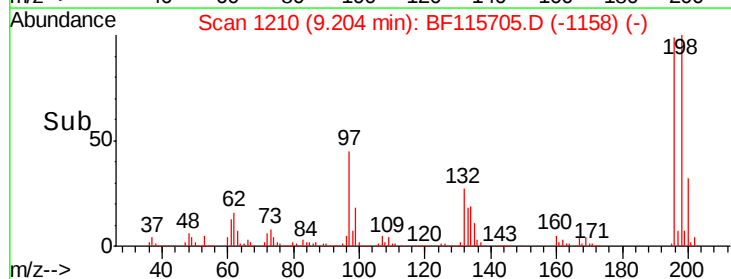
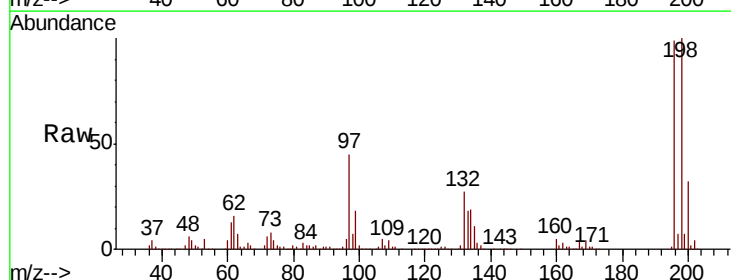
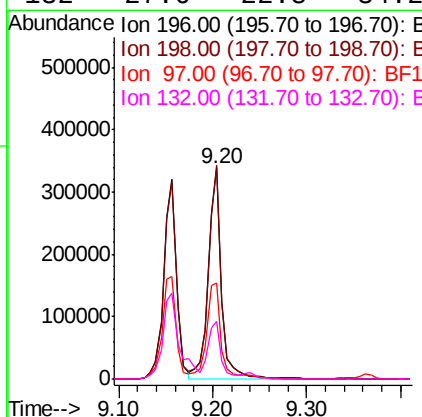
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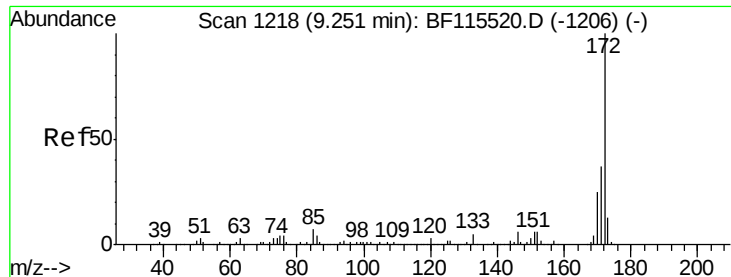
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#44  
2,4,5-Trichlorophenol  
Concen: 38.943 ng  
RT: 9.20 min Scan# 1210  
Delta R.T. 0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 333462 |       |       |
| 198     | 101.4 | 79.6   | 119.4 |       |
| 97      | 45.9  | 37.8   | 56.6  |       |
| 132     | 27.6  | 22.8   | 34.2  |       |





#45

2-Fluorobiphenyl

Concen: 83.362 ng

RT: 9.24 min Scan# 1216

Delta R.T. -0.01 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

Instrument :

BNA\_F

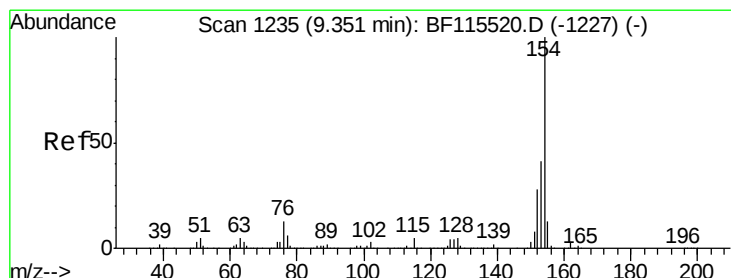
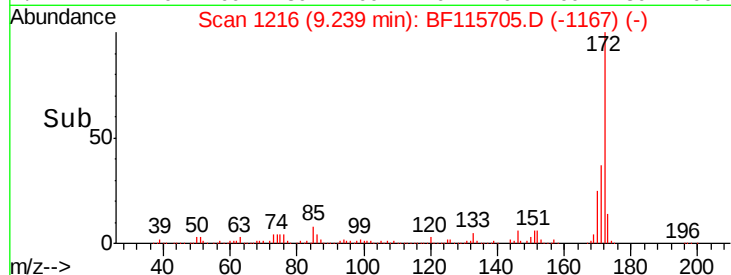
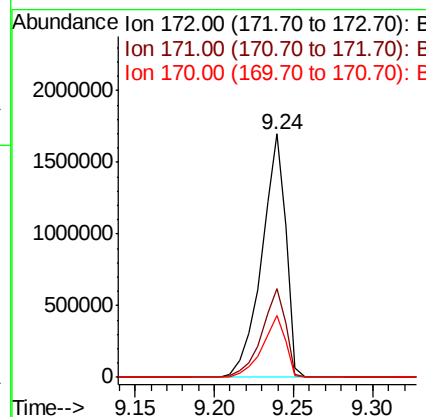
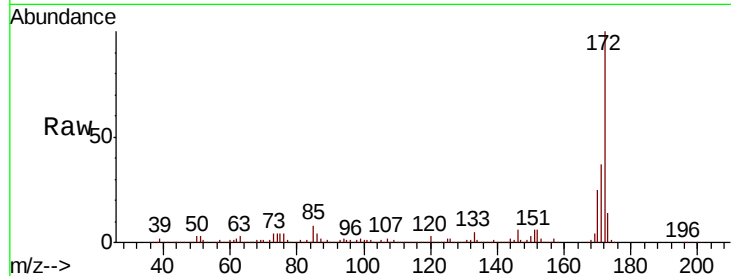
ClientSampleId :

PB121540BS

|           |       |       |         |
|-----------|-------|-------|---------|
| Tot Ion:  | 172   | Resp: | 1808321 |
| Ion Ratio | Lower | Upper |         |
| 172       | 100   |       |         |
| 171       | 36.6  | 30.6  | 46.0    |
| 170       | 25.3  | 20.5  | 30.7    |

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#46

1,1'-Biphenyl

Concen: 40.055 ng

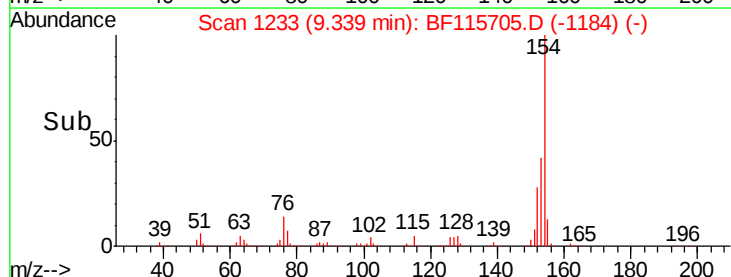
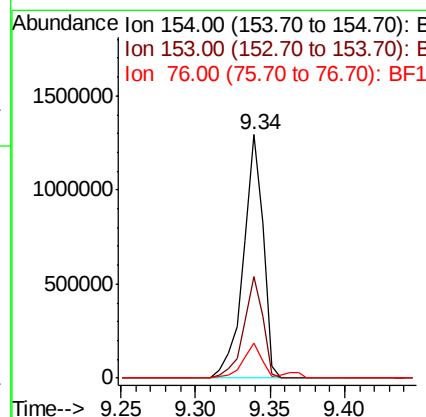
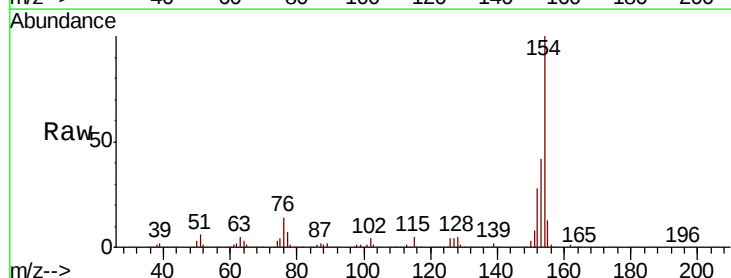
RT: 9.34 min Scan# 1233

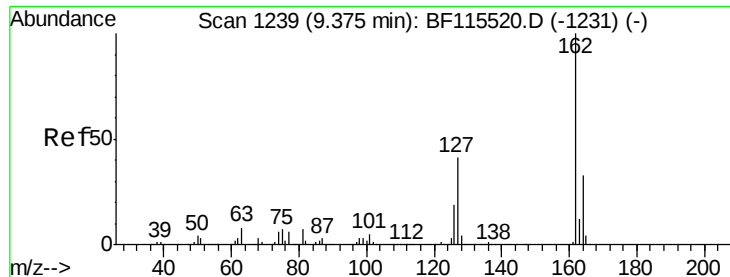
Delta R.T. -0.01 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 154   | Resp: | 1188942 |
| Ion Ratio | Lower | Upper |         |
| 154       | 100   |       |         |
| 153       | 41.7  | 22.6  | 62.6    |
| 76        | 14.4  | 0.0   | 33.4    |





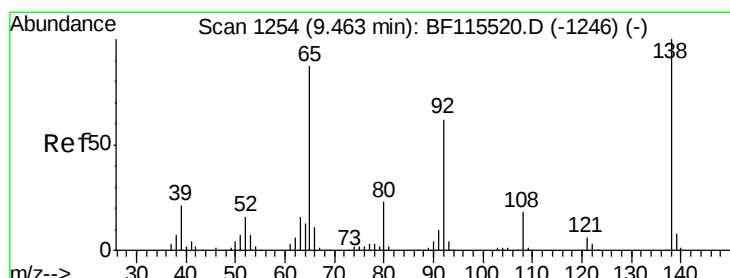
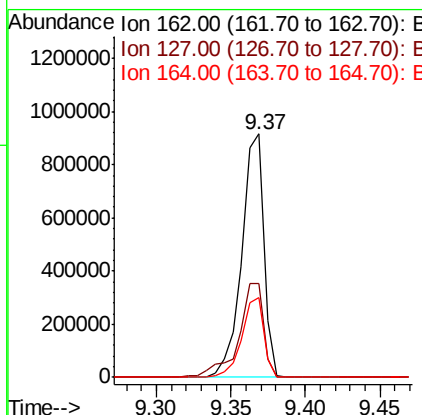
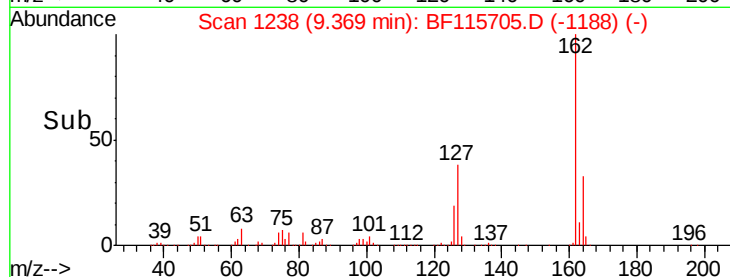
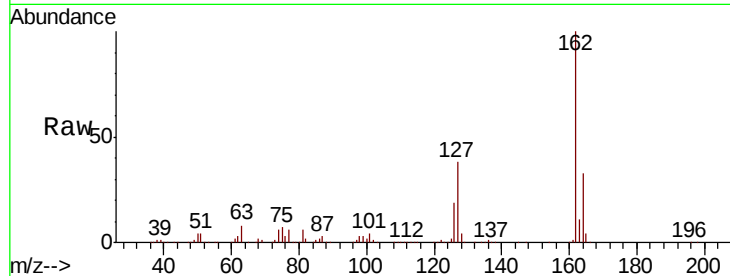
#47  
 2-Chloronaphthalene  
 Concen: 38.240 ng  
 RT: 9.37 min Scan# 1238  
 Delta R.T. -0.01 min  
 Lab File: BF115705.D  
 Acq: 22 Jul 2019 13:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121540BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 38.4  | 34.1  | 51.1  |
| 164     | 32.9  | 27.4  | 41.2  |

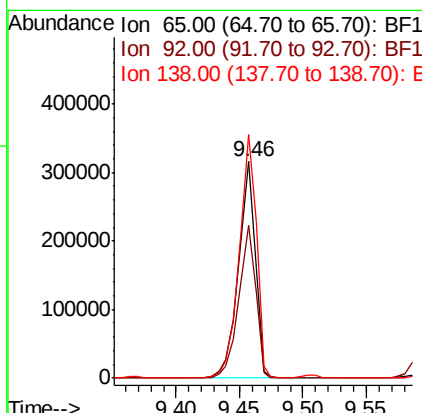
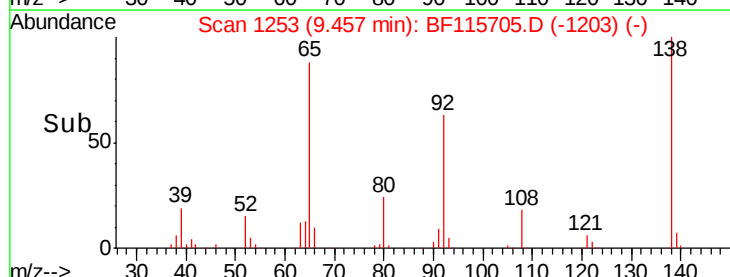
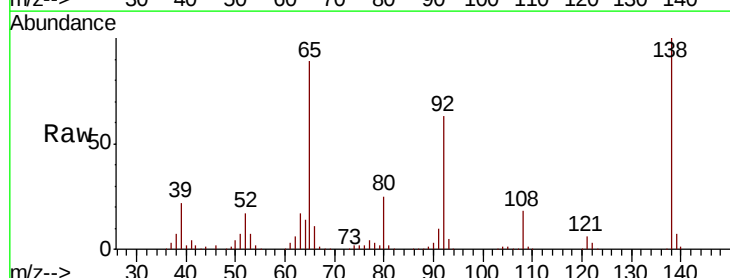
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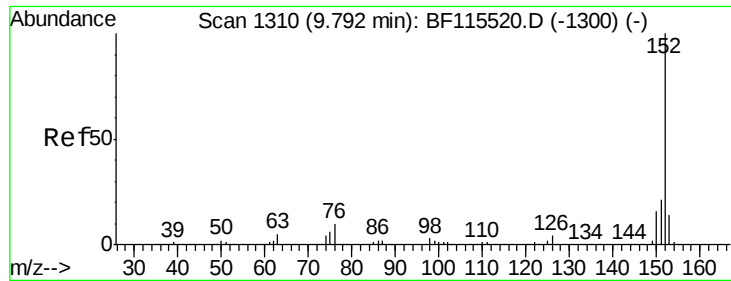
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#48  
 2-Nitroaniline  
 Concen: 37.820 ng  
 RT: 9.46 min Scan# 1253  
 Delta R.T. -0.01 min  
 Lab File: BF115705.D  
 Acq: 22 Jul 2019 13:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 70.8  | 57.8  | 86.6  |
| 138     | 112.6 | 91.2  | 136.8 |





#49

Acenaphthylene

Concen: 38.564 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

Instrument :

BNA\_F

ClientSampleId :

PB121540BS

Tot Ion:152 Resp: 1412285

Ion Ratio Lower Upper

152 100

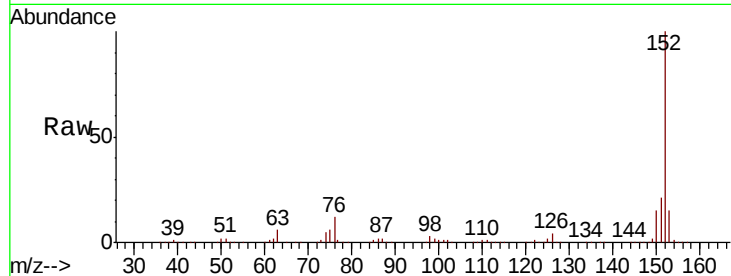
151 21.0 17.7 26.5

153 14.6 12.0 18.0

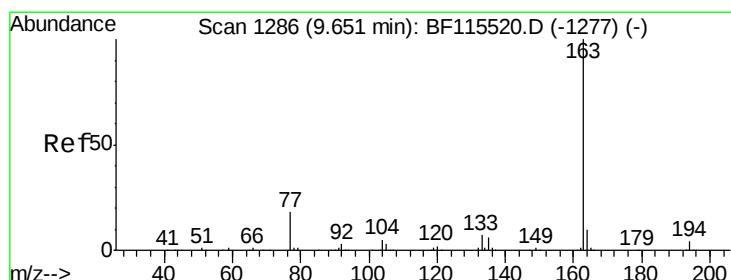
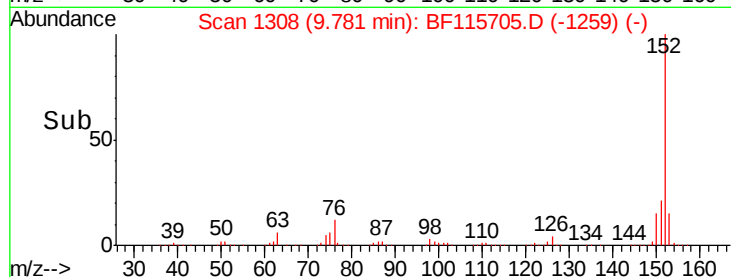
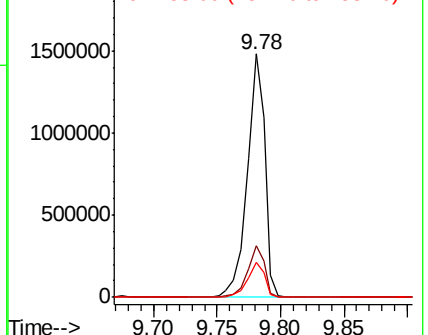
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Abundance Ion 152.00 (151.70 to 152.70): E  
2000000 Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 38.302 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.01 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

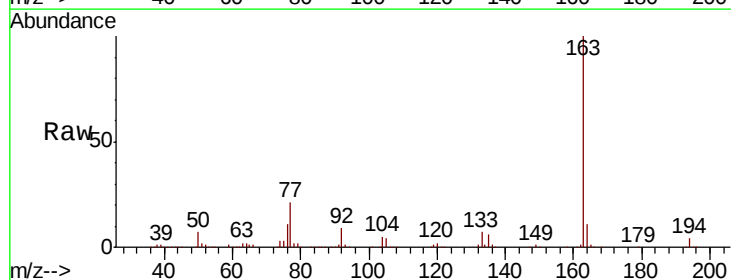
Tgt Ion:163 Resp: 1094115

Ion Ratio Lower Upper

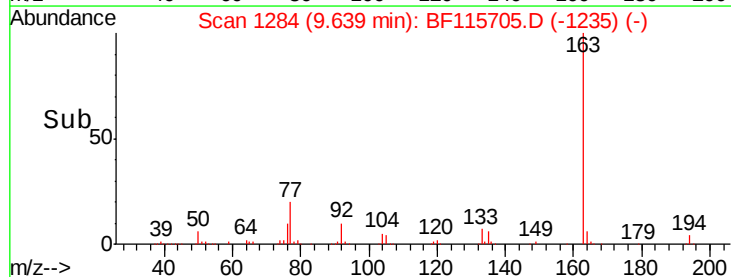
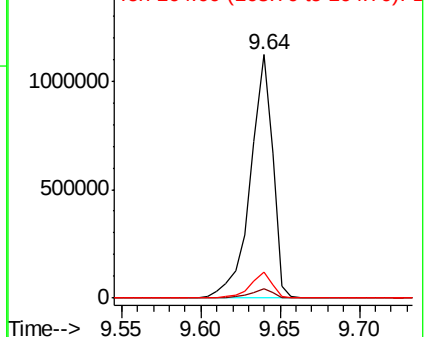
163 100

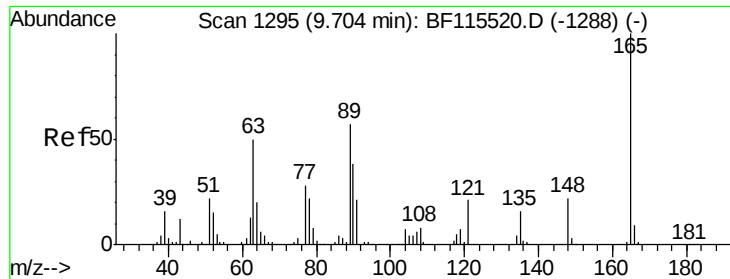
194 3.9 3.3 4.9

164 10.7 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E  
1500000 Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E





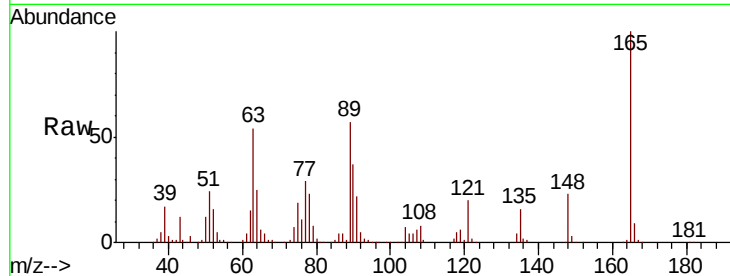
#51  
2,6-Dinitrotoluene  
Concen: 38.738 ng  
RT: 9.70 min Scan# 1294  
Delta R.T. -0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB121540BS

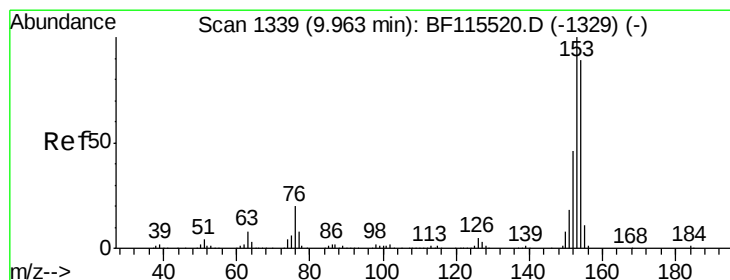
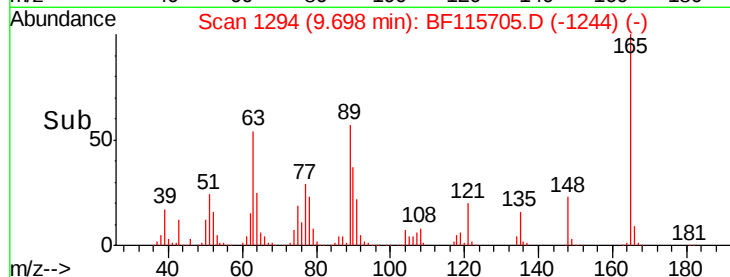
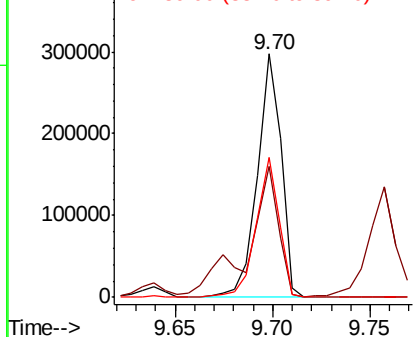
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 251478 |       |       |
| 63      | 53.9  | 40.6   | 61.0  |       |
| 89      | 57.3  | 43.9   | 65.9  |       |

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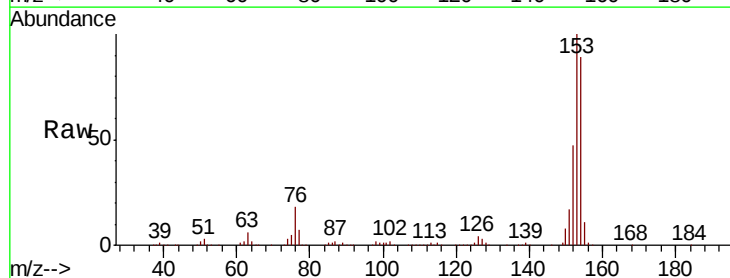


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1

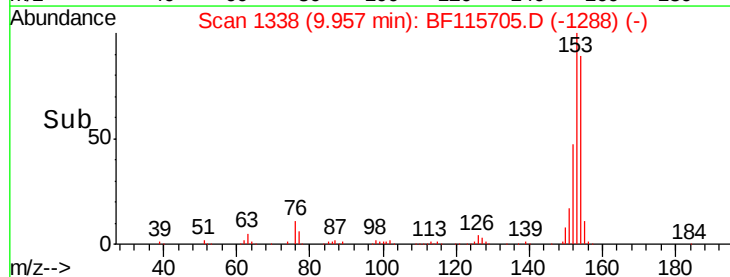
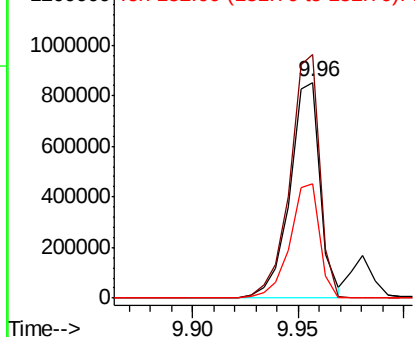


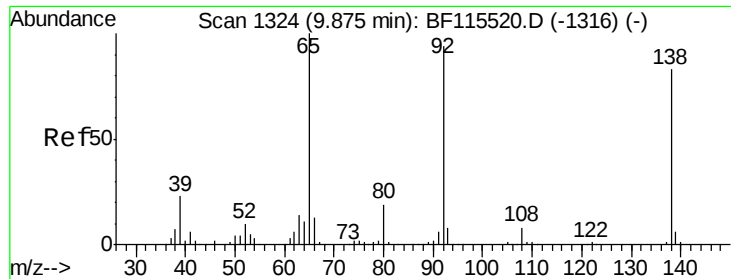
#52  
Acenaphthene  
Concen: 36.350 ng  
RT: 9.96 min Scan# 1338  
Delta R.T. -0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 859465 |       |       |
| 153     | 113.0 | 88.6   | 133.0 |       |
| 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





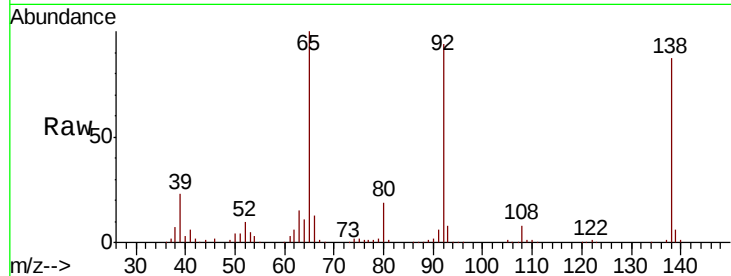
#53  
3-Nitroaniline  
Concen: 27.373 ng  
RT: 9.87 min Scan# 1323  
Delta R.T. -0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB121540BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 9.4   | 8.4   | 12.6  |
| 92      | 108.2 | 88.0  | 132.0 |

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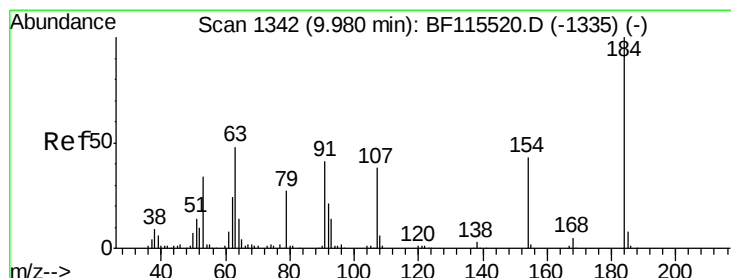
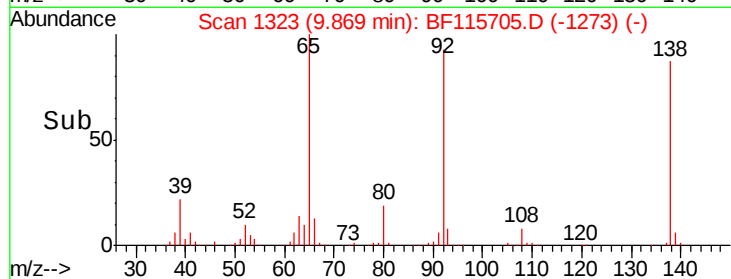
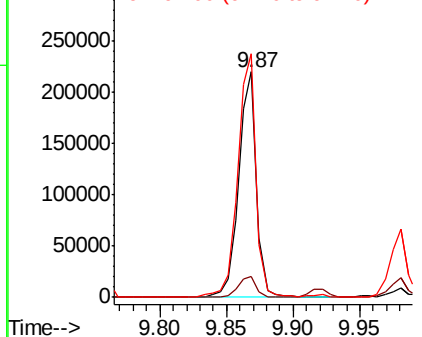


Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54  
2,4-Dinitrophenol  
Concen: 72.732 ng  
RT: 9.98 min Scan# 1342  
Delta R.T. 0.00 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

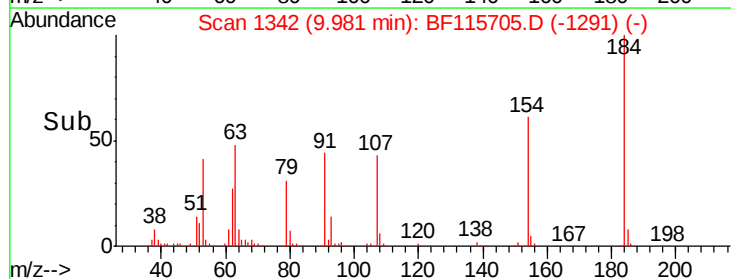
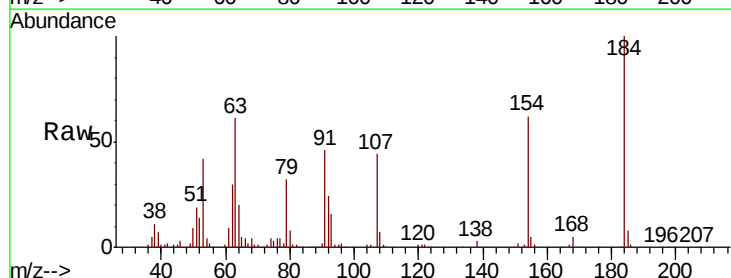
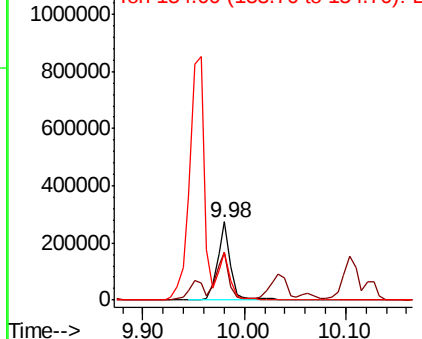
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 61.0  | 48.7  | 73.1  |
| 154     | 61.6  | 48.6  | 73.0  |

Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzenofuran

Concen: 38.330 ng

RT: 10.13 min Scan# 1367

Delta R.T. -0.01 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

Instrument :

BNA\_F

ClientSampleId :

PB121540BS

Tot Ion:168 Resp: 1287011

Ion Ratio Lower Upper

168 100

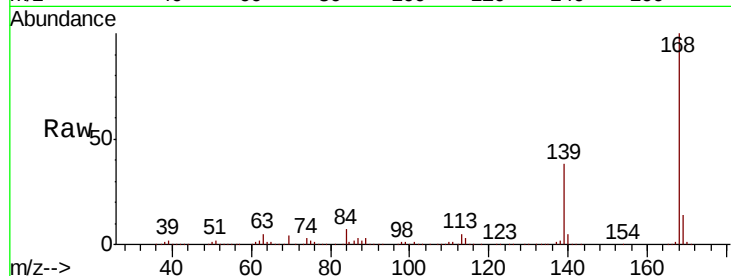
139 37.9 31.1 46.7

169 14.0 11.1 16.7

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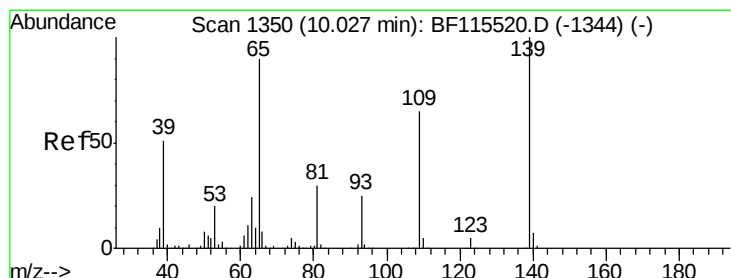
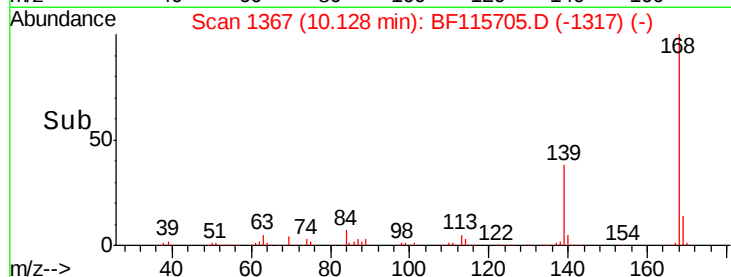
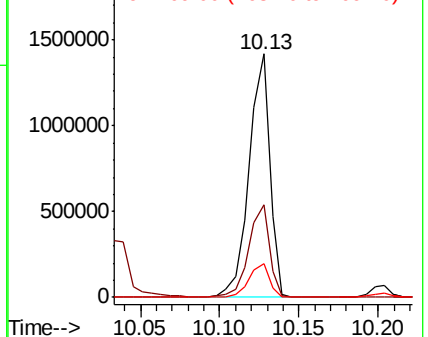
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 71.471 ng

RT: 10.03 min Scan# 1351

Delta R.T. 0.01 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

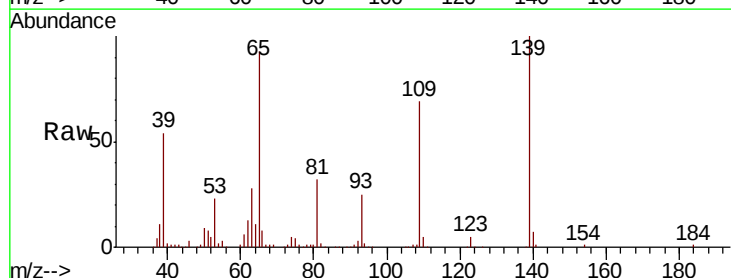
Tgt Ion:139 Resp: 404310

Ion Ratio Lower Upper

139 100

109 69.0 46.4 86.4

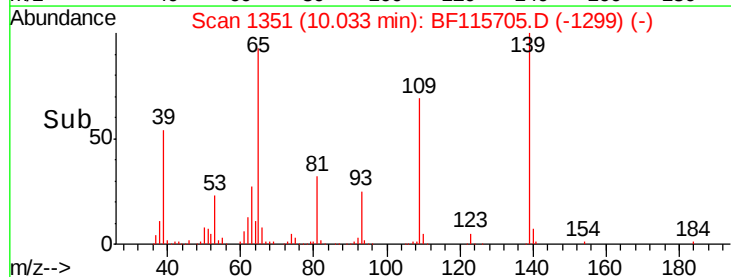
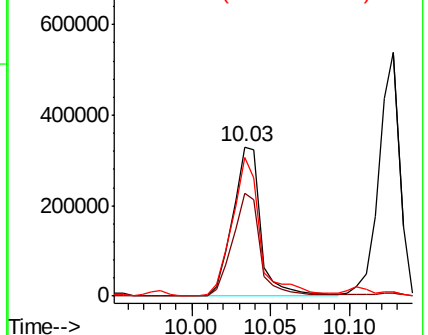
65 92.8 68.9 108.9

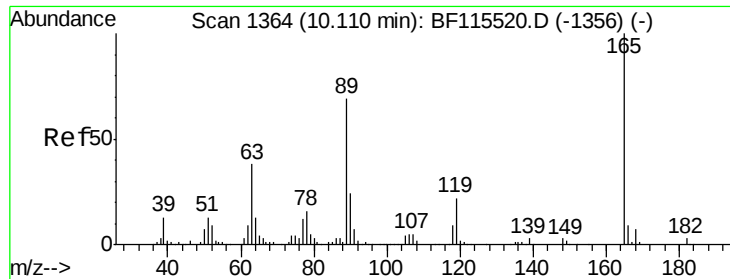


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





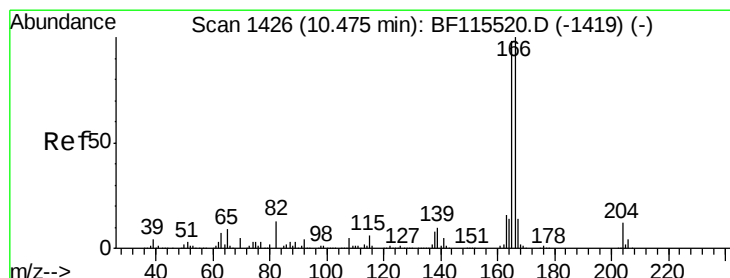
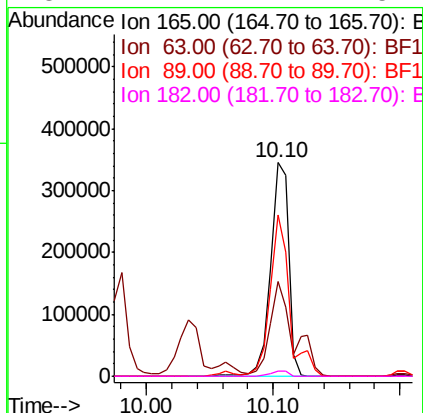
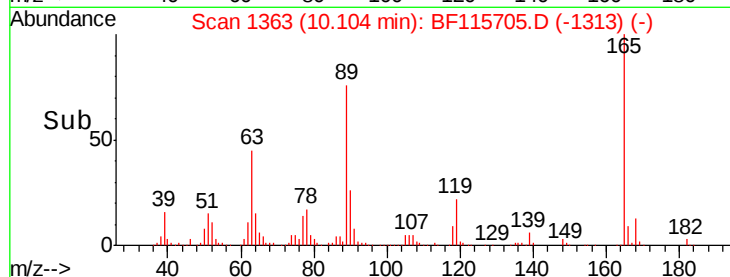
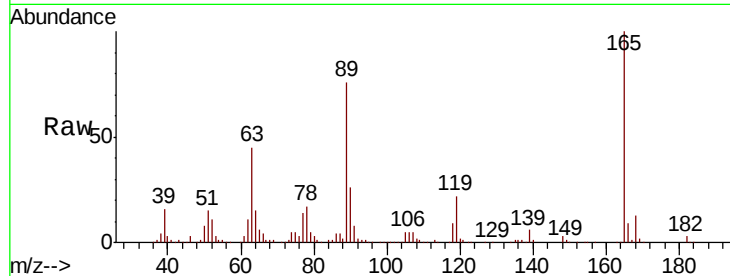
#57  
2,4-Dinitrotoluene  
Concen: 40.205 ng  
RT: 10.10 min Scan# 1363  
Delta R.T. -0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB121540BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 165     | 100  |       | 338137 |       |       |
| 63      | 44.5 | 34.9  | 52.3   |       |       |
| 89      | 75.8 | 57.5  | 86.3   |       |       |
| 182     | 2.7  | 2.2   | 3.4    |       |       |

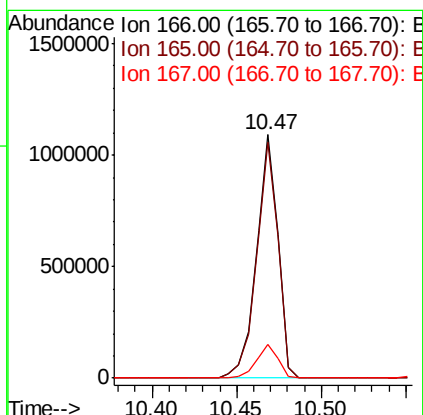
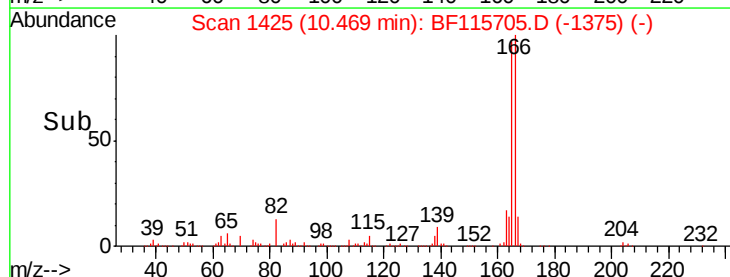
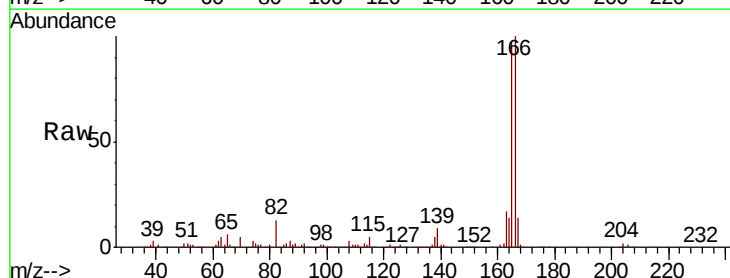
Manual Integrations  
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#58  
Fluorene  
Concen: 40.411 ng  
RT: 10.47 min Scan# 1425  
Delta R.T. -0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 166     | 100  |       | 970025 |       |       |
| 165     | 97.0 | 79.8  | 119.6  |       |       |
| 167     | 13.6 | 11.2  | 16.8   |       |       |





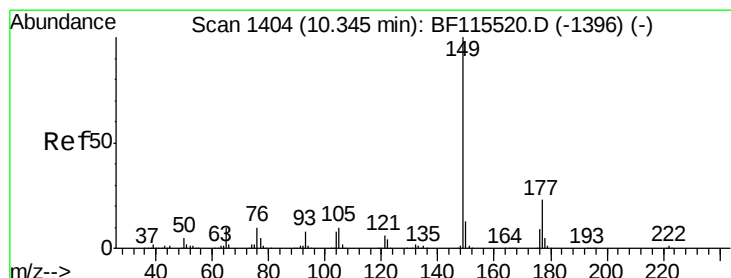
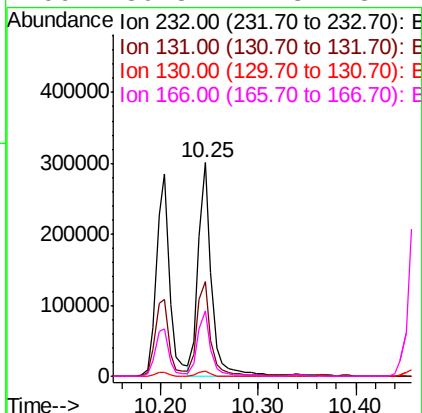
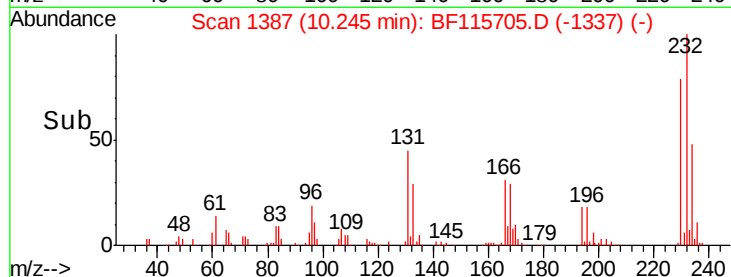
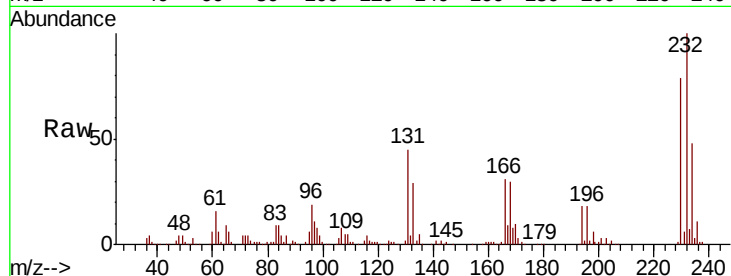
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 39.610 ng  
RT: 10.25 min Scan# 1387  
Delta R.T. -0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB121540BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 45.7  | 35.9  | 53.9  |
| 130     | 2.3   | 1.8   | 2.6   |
| 166     | 30.3  | 24.8  | 37.2  |

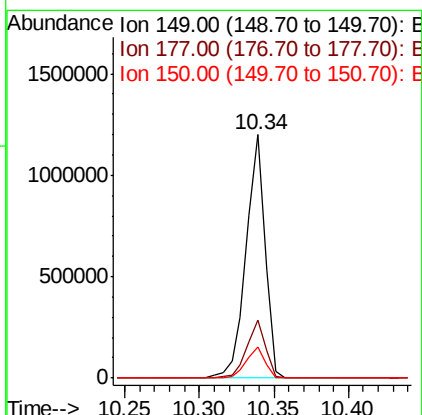
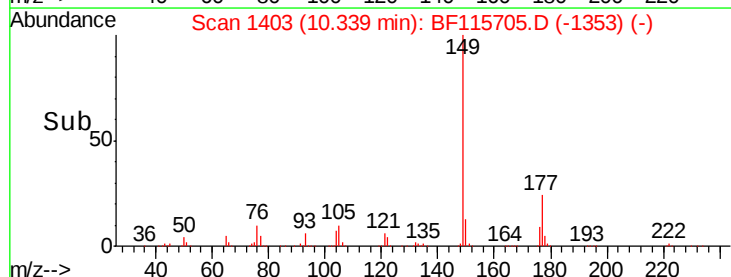
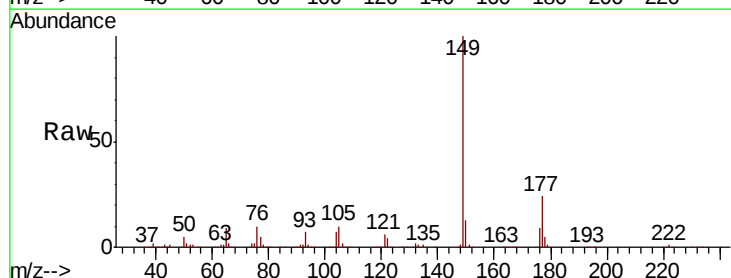
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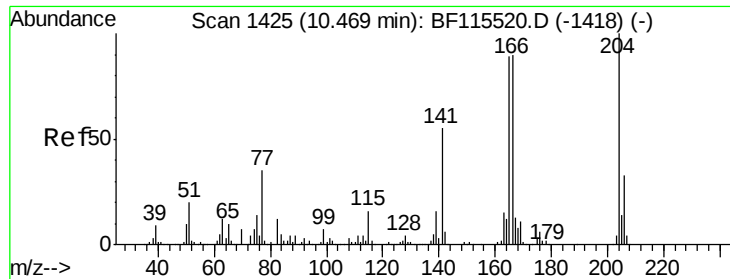
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#60  
Diethylphthalate  
Concen: 39.496 ng  
RT: 10.34 min Scan# 1403  
Delta R.T. -0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 23.7  | 19.5  | 29.3  |
| 150     | 12.8  | 10.4  | 15.6  |





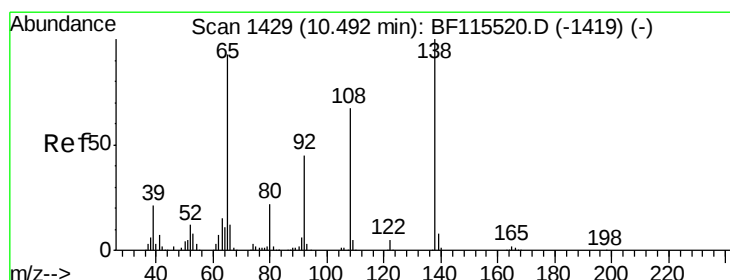
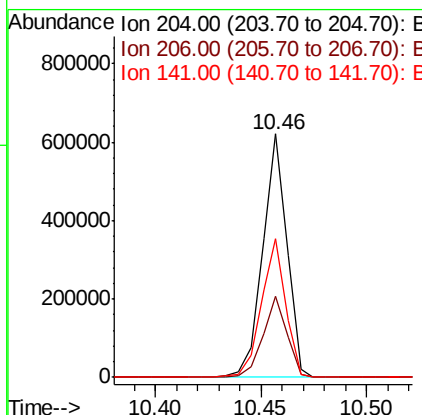
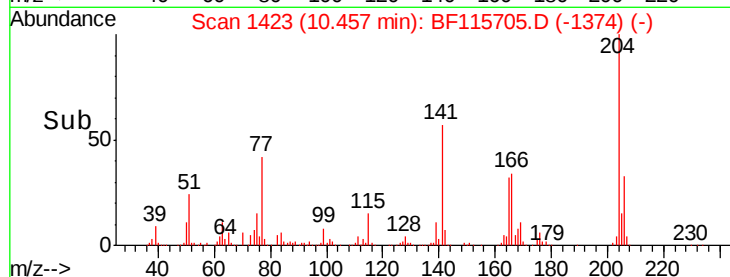
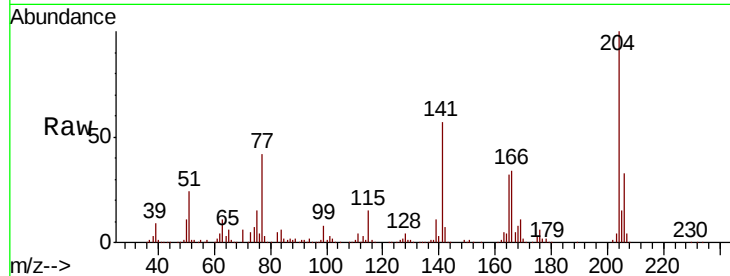
#61  
4-Chlorophenyl-phenylether  
Concen: 37.254 ng  
RT: 10.46 min Scan# 1423  
Delta R.T. -0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB121540BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.4  | 26.7  | 40.1  |
| 141     | 57.2  | 44.2  | 66.2  |

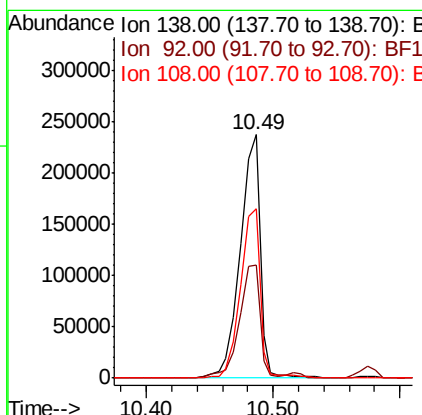
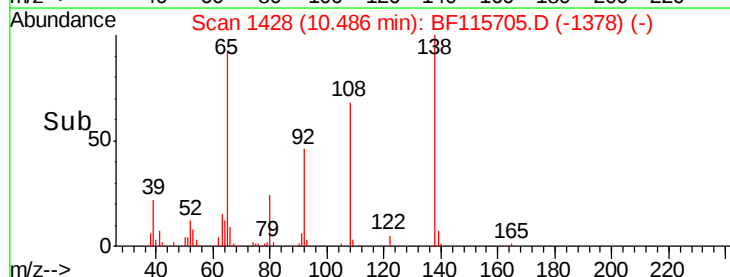
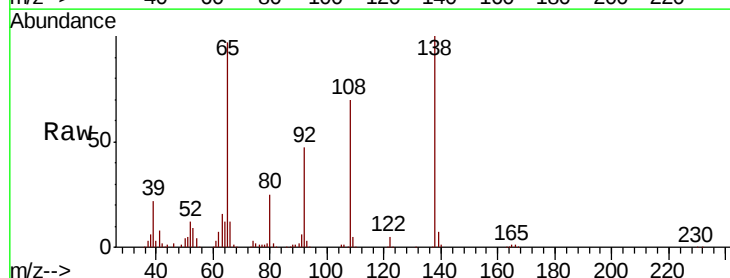
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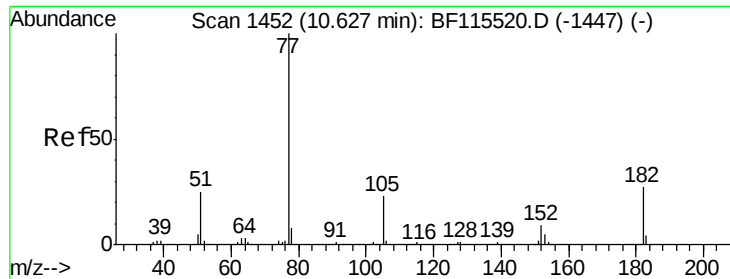
mohammad  
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#62  
4-Nitroaniline  
Concen: 36.481 ng  
RT: 10.49 min Scan# 1428  
Delta R.T. -0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 46.6  | 27.1  | 67.1  |
| 108     | 69.6  | 48.0  | 88.0  |





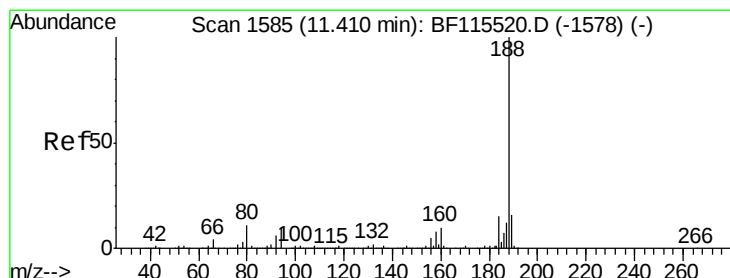
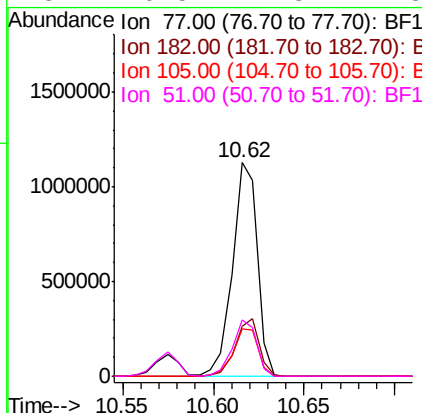
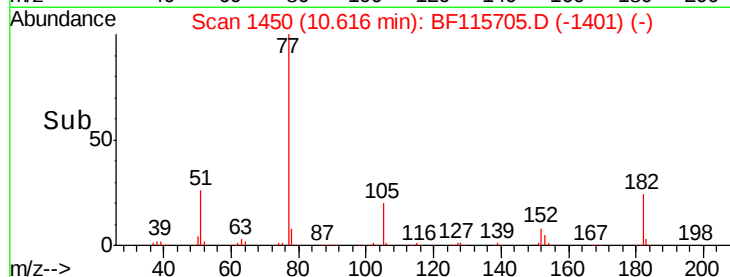
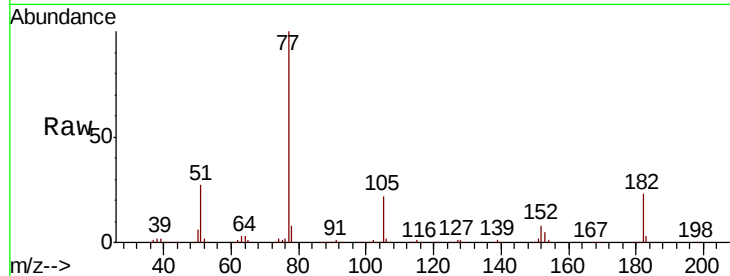
#63  
Azobenzene  
Concen: 41.347 ng  
RT: 10.62 min Scan# 1450  
Delta R.T. -0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB121540BS

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 77      | 100  |       |       |       |
| 182     | 23.4 | 6.9   | 46.9  |       |
| 105     | 22.2 | 3.9   | 43.9  |       |
| 51      | 26.5 | 7.3   | 47.3  |       |

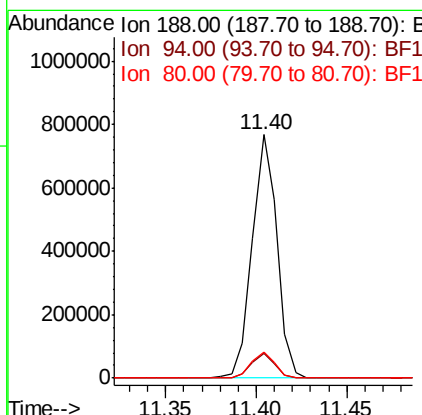
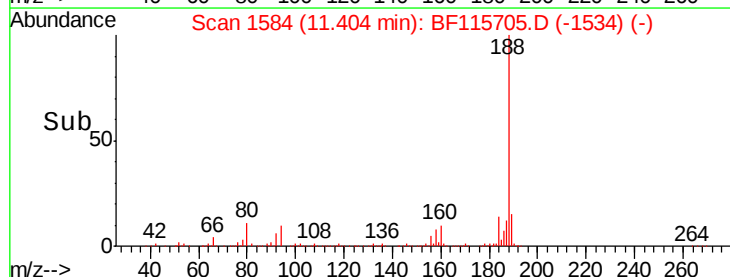
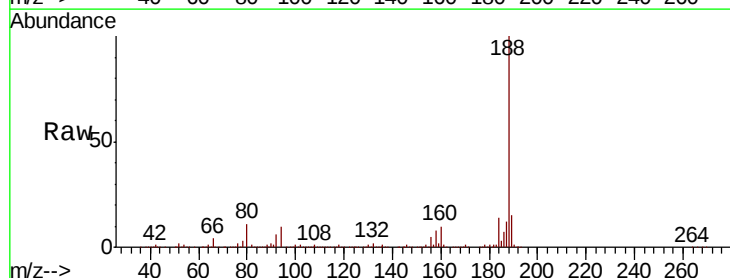
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#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.40 min Scan# 1584  
Delta R.T. -0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 188     | 100  |       |       |       |
| 94      | 10.2 | 7.8   | 11.6  |       |
| 80      | 10.9 | 8.6   | 13.0  |       |





#65

4,6-Dinitro-2-methylphenol

Concen: 36.485 ng

RT: 10.52 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

Instrument :

BNA\_F

ClientSampleId :

PB121540BS

Tot Ion:198 Resp: 161919

Ion Ratio Lower Upper

198 100

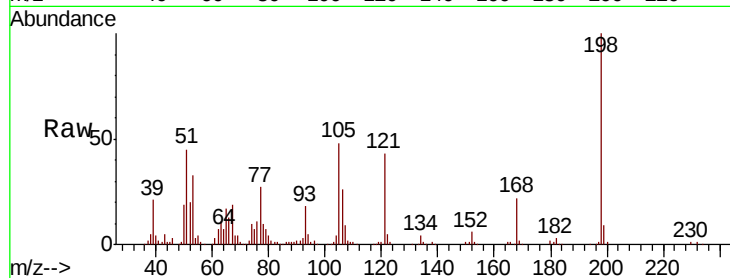
51 45.0 19.1 59.1

105 48.1 23.6 63.6

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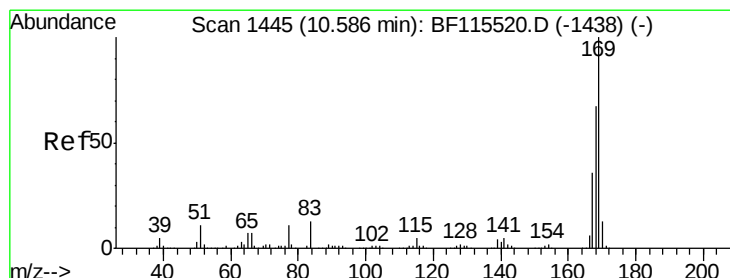
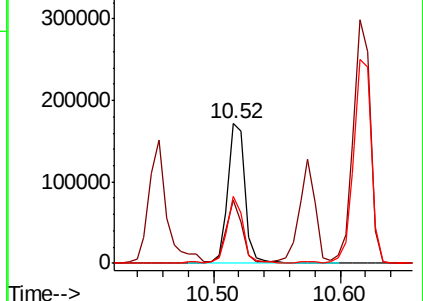
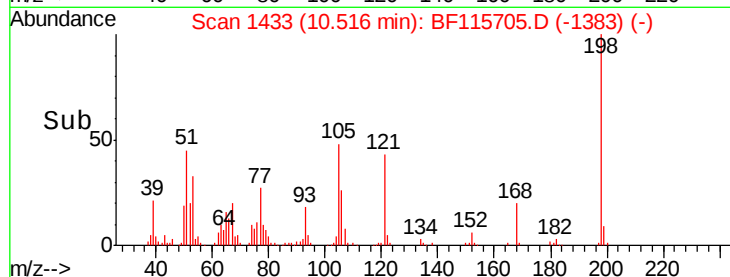
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Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 39.269 ng

RT: 10.57 min Scan# 1443

Delta R.T. -0.01 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

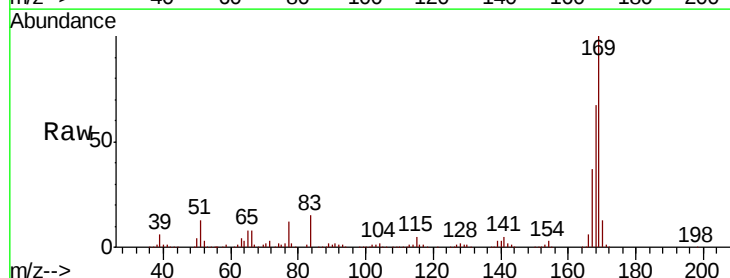
Tgt Ion:169 Resp: 887280

Ion Ratio Lower Upper

169 100

168 66.8 54.3 81.5

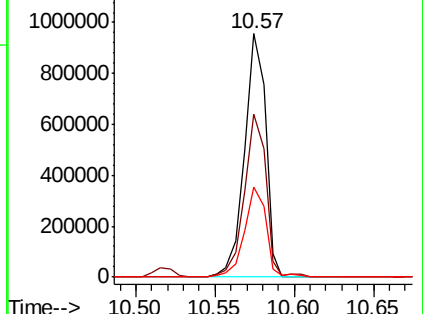
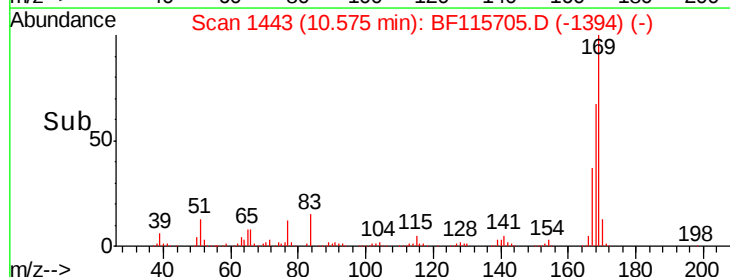
167 36.8 30.2 45.2



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





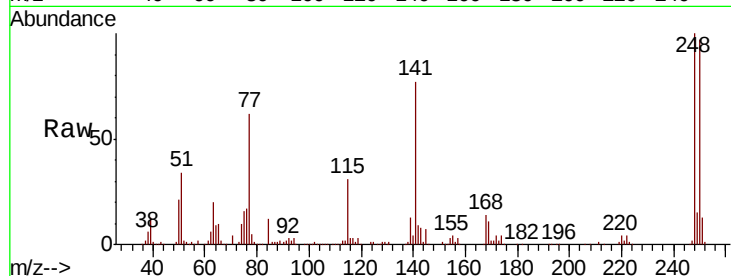
#67  
4-Bromophenyl-phenylether  
Concen: 37.827 ng  
RT: 10.95 min Scan# 1506  
Delta R.T. -0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB121540BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 96.6  | 78.0  | 117.0 |
| 141     | 77.2  | 57.7  | 86.5  |

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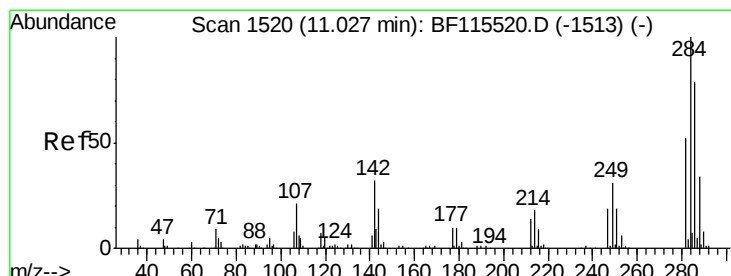
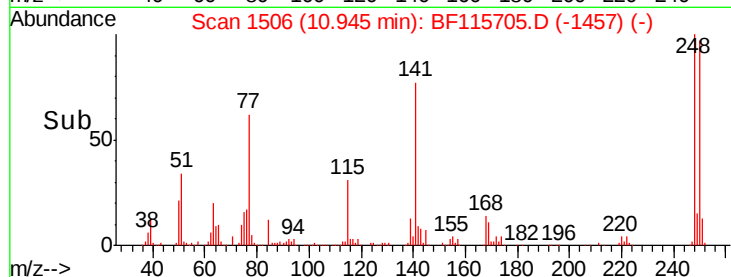
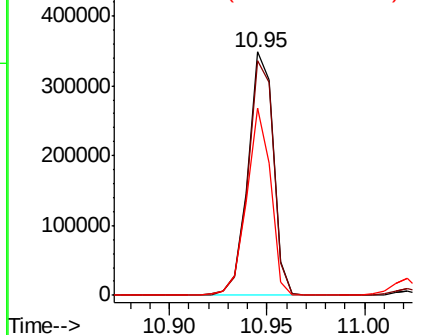


Abundance

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: 36.728 ng  
RT: 11.02 min Scan# 1519  
Delta R.T. -0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

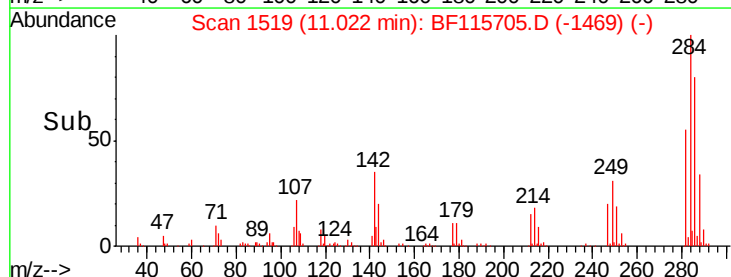
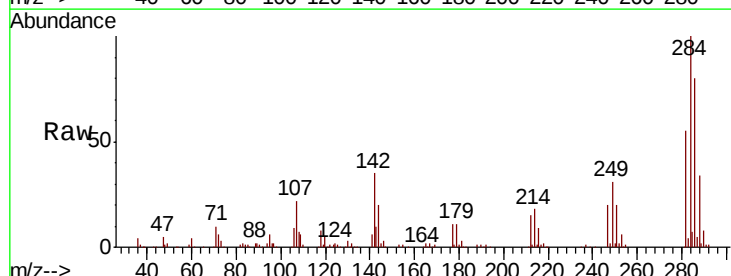
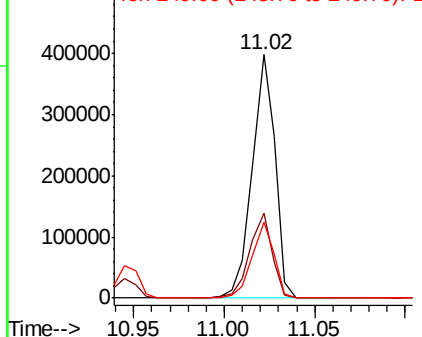
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 35.1  | 22.2  | 33.2# |
| 249     | 31.3  | 23.4  | 35.2  |

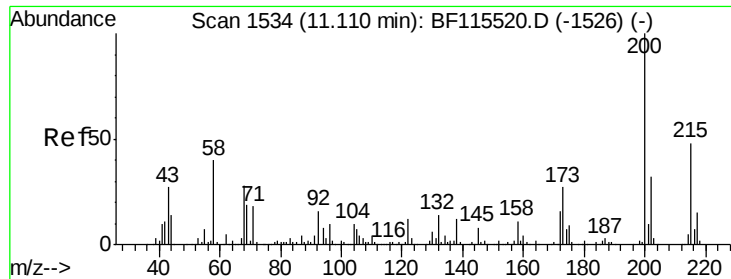
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





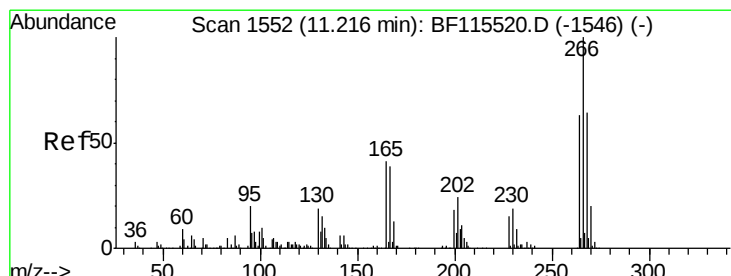
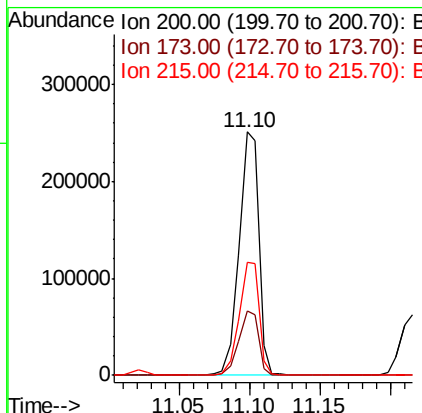
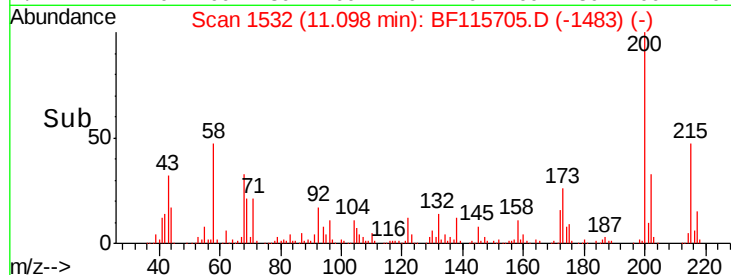
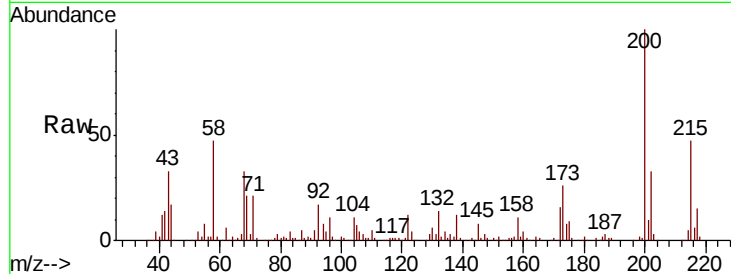
#69  
Atrazine  
Concen: 33.033 ng  
RT: 11.10 min Scan# 1532  
Delta R.T. -0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB121540BS

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 200     | 100   |            |            |
| 173     | 26.5  | 6.9        | 46.9       |
| 215     | 46.5  | 27.9       | 67.9       |

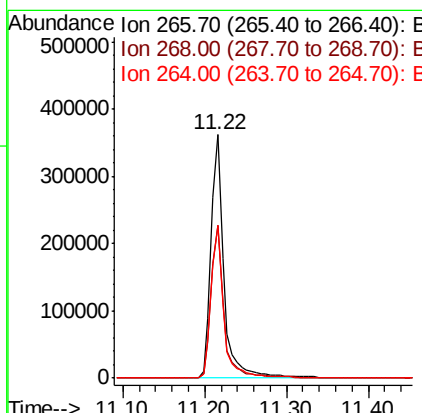
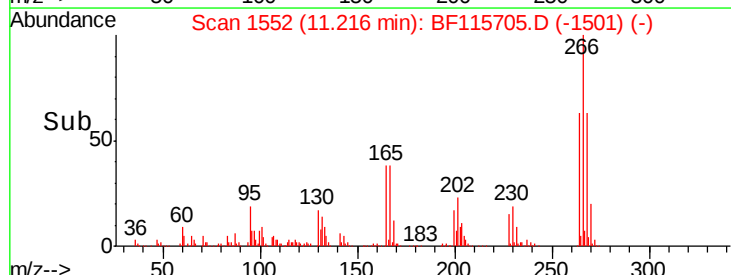
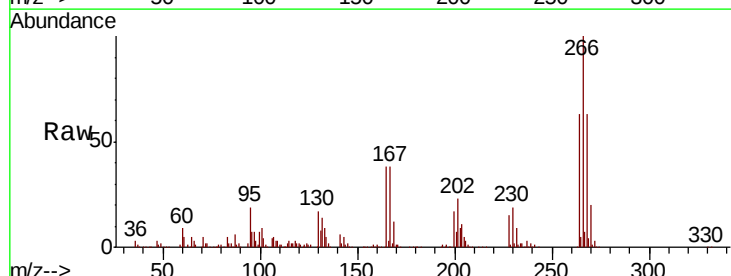
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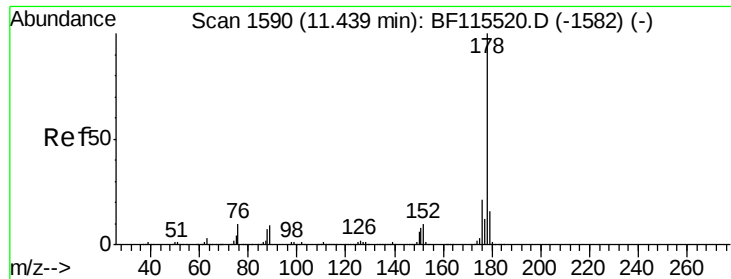
mohammad  
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#70  
Pentachlorophenol  
Concen: 68.390 ng  
RT: 11.22 min Scan# 1552  
Delta R.T. 0.00 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 266     | 100   |            |            |
| 268     | 62.8  | 51.6       | 77.4       |
| 264     | 62.8  | 50.6       | 76.0       |





#71

Phenanthrene

Concen: 39.063 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

Instrument :

BNA\_F

ClientSampleId :

PB121540BS

Tot Ion:178 Resp: 1454460

Ion Ratio Lower Upper

178 100

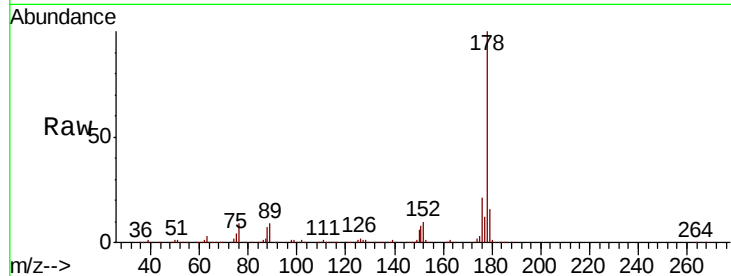
176 20.6 17.2 25.8

179 15.7 13.5 20.3

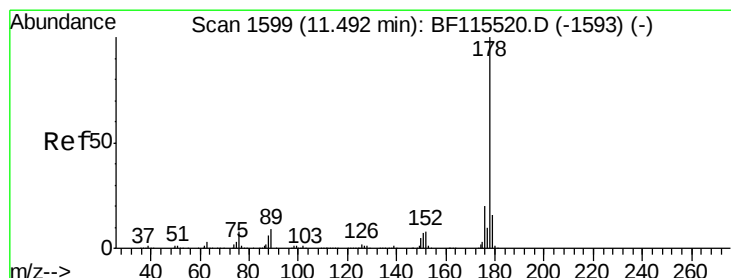
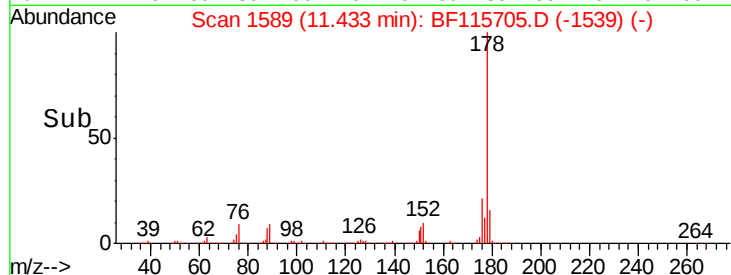
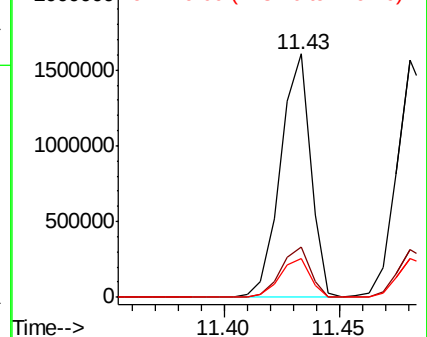
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Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 38.689 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

Tgt Ion:178 Resp: 1488717

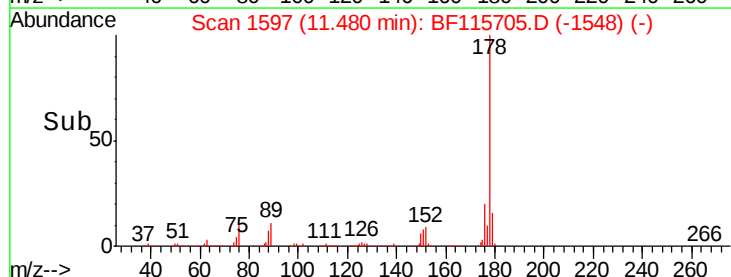
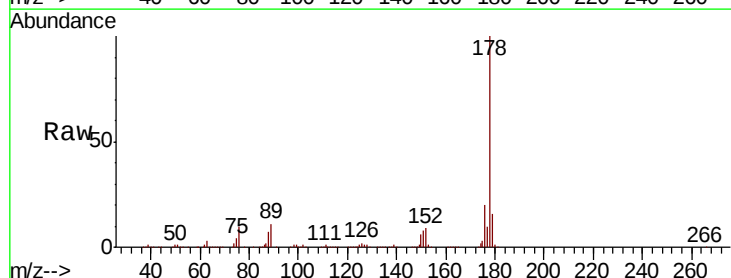
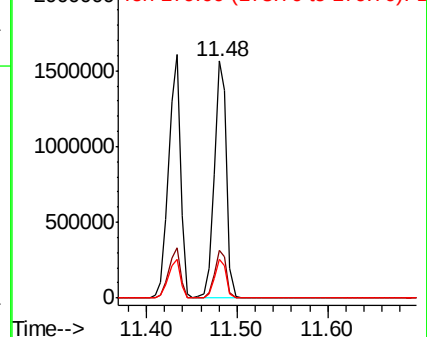
Ion Ratio Lower Upper

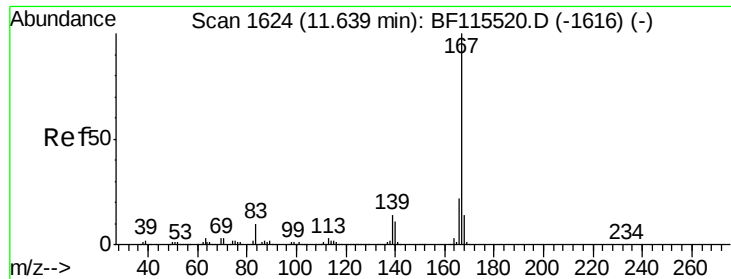
178 100

176 20.1 15.9 23.9

179 16.4 12.7 19.1

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





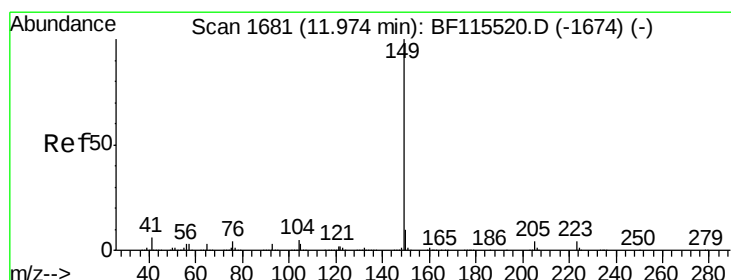
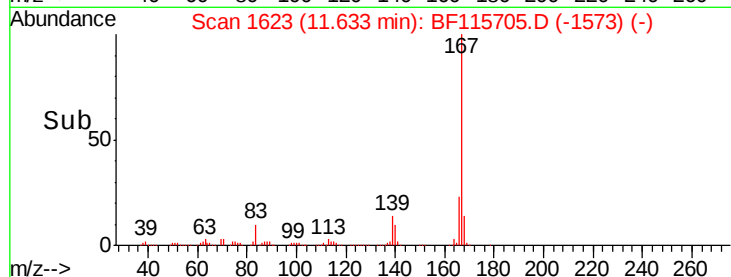
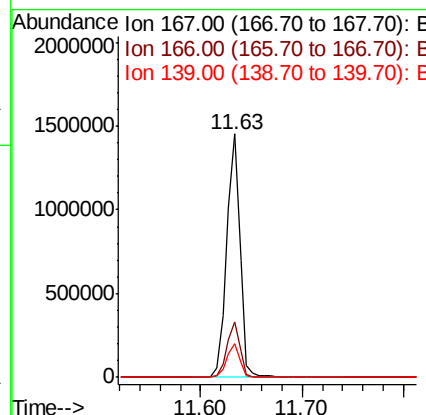
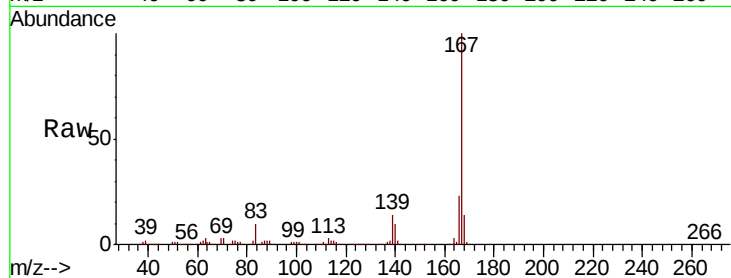
#73  
 Carbazole  
 Concen: 39.121 ng  
 RT: 11.63 min Scan# 1623  
 Delta R.T. -0.01 min  
 Lab File: BF115705.D  
 Acq: 22 Jul 2019 13:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121540BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.8  | 18.1  | 27.1  |
| 139     | 13.9  | 11.3  | 16.9  |

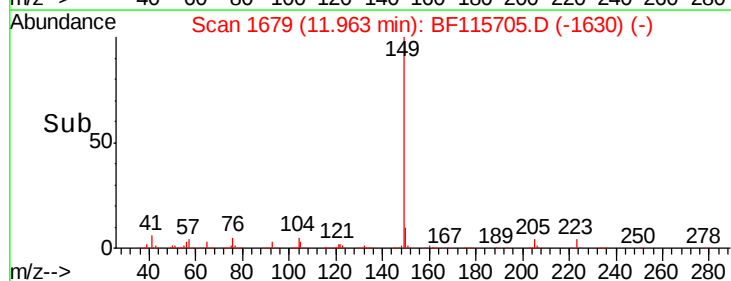
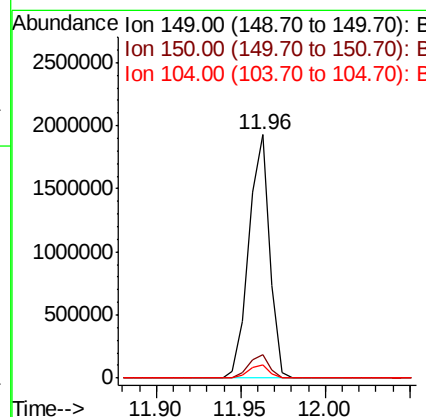
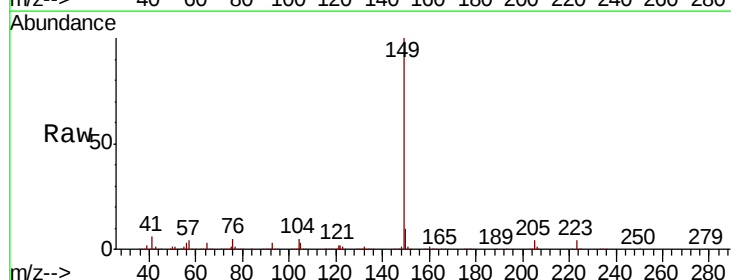
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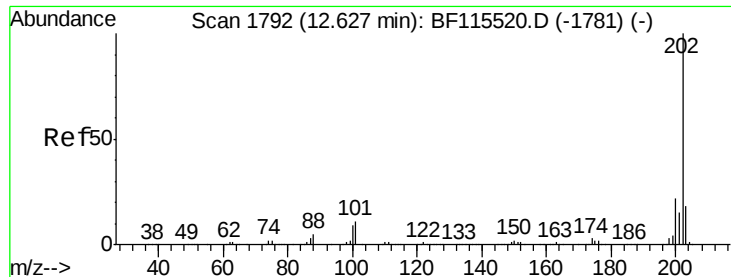
mohammad  
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#74  
 Di-n-butylphthalate  
 Concen: 39.884 ng  
 RT: 11.96 min Scan# 1679  
 Delta R.T. -0.01 min  
 Lab File: BF115705.D  
 Acq: 22 Jul 2019 13:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.8   | 7.7   | 11.5  |
| 104     | 5.2   | 3.8   | 5.8   |





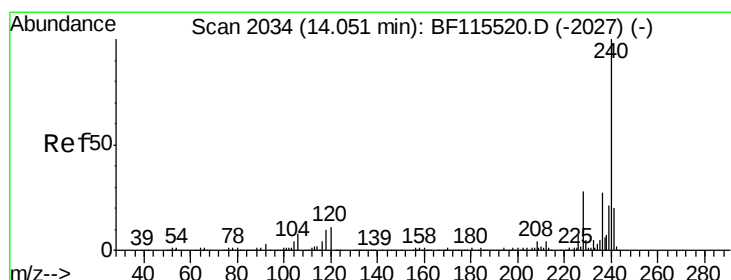
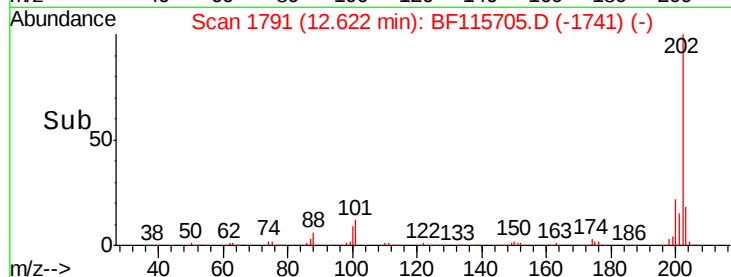
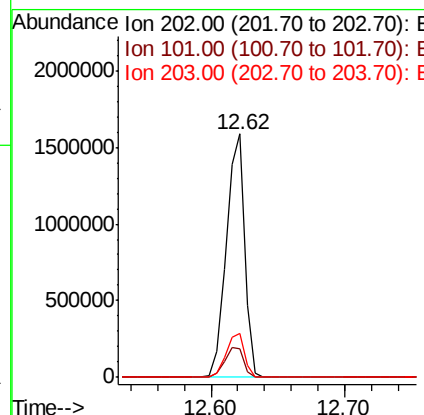
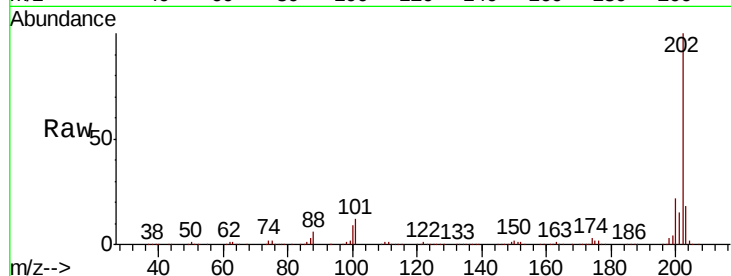
#75  
 Fluoranthene  
 Concen: 39.288 ng  
 RT: 12.62 min Scan# 1791  
 Delta R.T. -0.01 min  
 Lab File: BF115705.D  
 Acq: 22 Jul 2019 13:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121540BS

| Tot Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 202     | 100   | 1545828 |       |       |
| 101     | 11.9  |         | 0.0   | 31.4  |
| 203     | 17.9  |         | 0.0   | 38.1  |

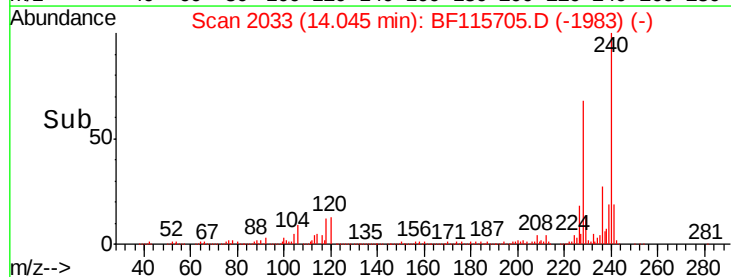
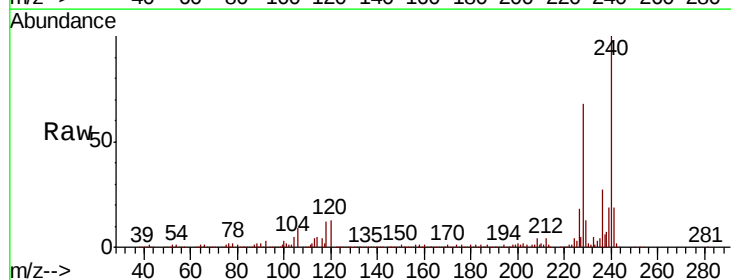
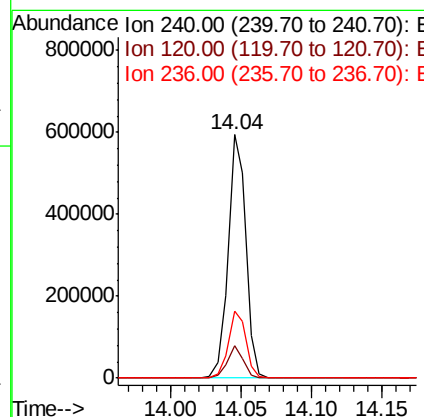
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#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.04 min Scan# 2033  
 Delta R.T. -0.01 min  
 Lab File: BF115705.D  
 Acq: 22 Jul 2019 13:19

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 517044 |       |       |
| 120     | 13.2  |        | 8.6   | 13.0# |
| 236     | 27.3  |        | 21.3  | 31.9  |





#77

Benzidine

Concen: 16.487 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

Instrument :

BNA\_F

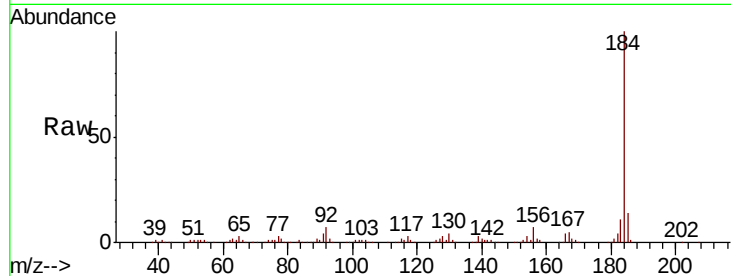
ClientSampleId :

PB121540BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 301981 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 14.4  | 12.0  | 18.0   |
| 183       | 11.2  | 9.3   | 13.9   |

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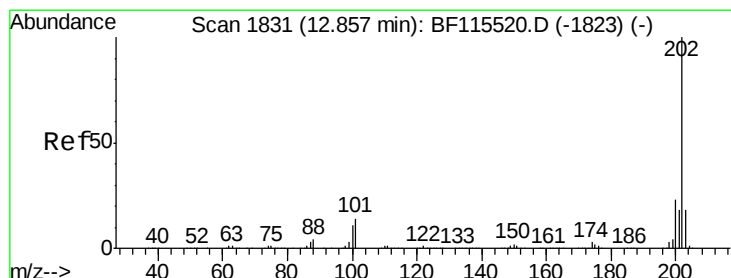
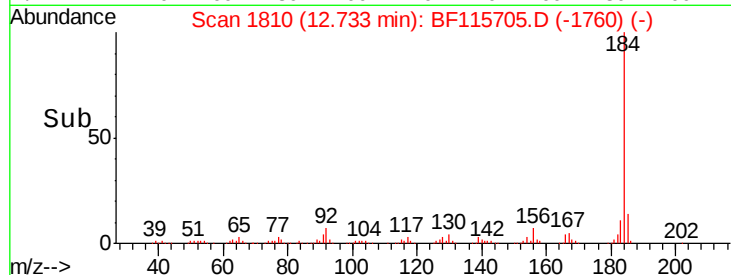
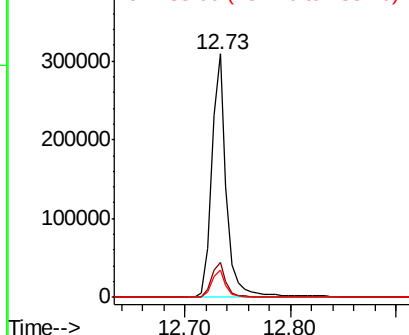


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 35.846 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

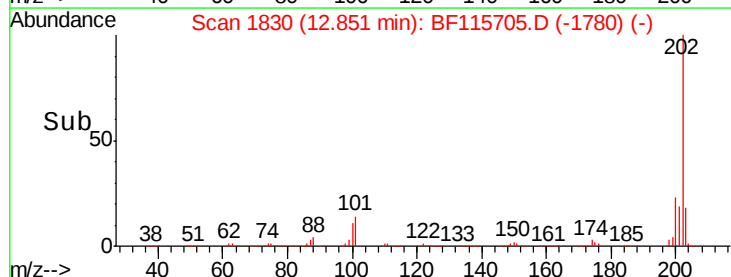
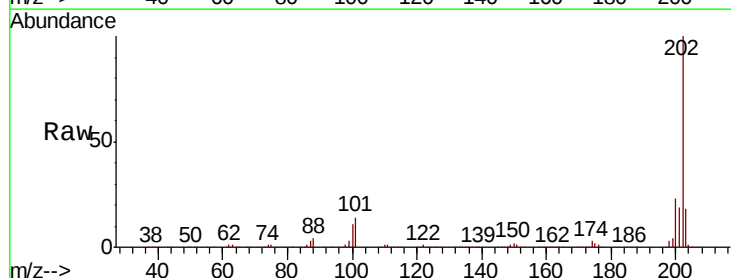
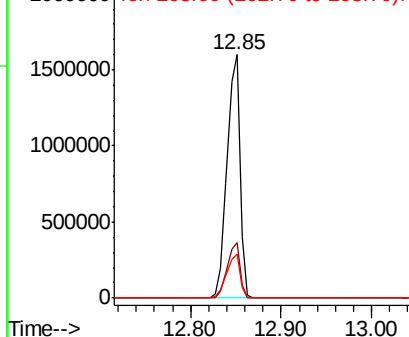
|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 202   | Resp: | 1570267 |
| Ion Ratio | Lower | Upper |         |
| 202       | 100   |       |         |
| 200       | 22.6  | 18.7  | 28.1    |
| 203       | 17.9  | 15.2  | 22.8    |

Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





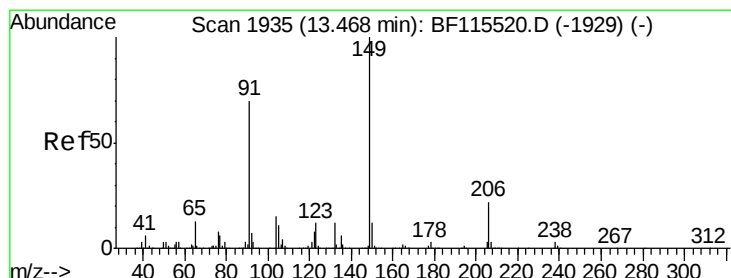
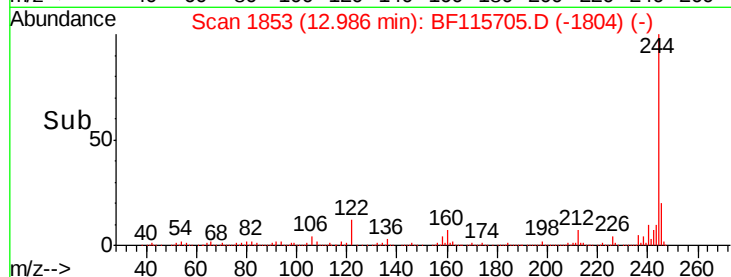
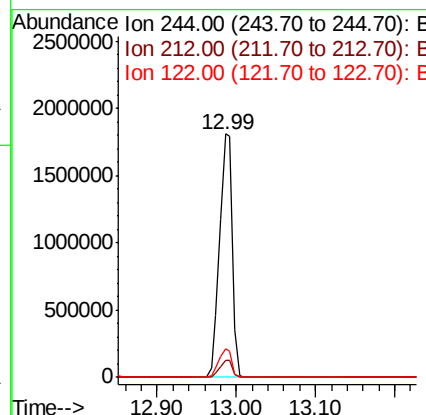
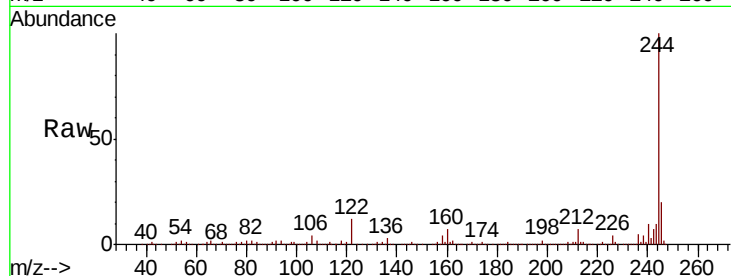
#79  
 Terphenyl-d14  
 Concen: 71.993 ng  
 RT: 12.99 min Scan# 1853  
 Delta R.T. -0.01 min  
 Lab File: BF115705.D  
 Acq: 22 Jul 2019 13:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121540BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.0   | 6.0   | 9.0   |
| 122     | 11.9  | 8.6   | 12.8  |

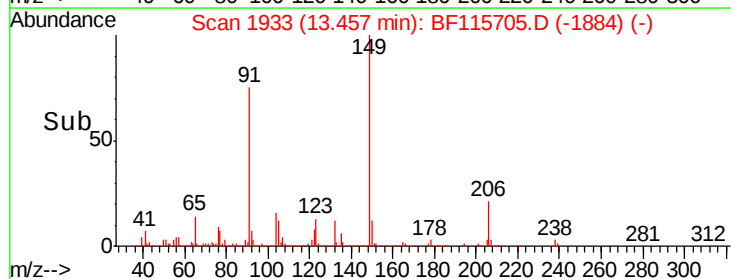
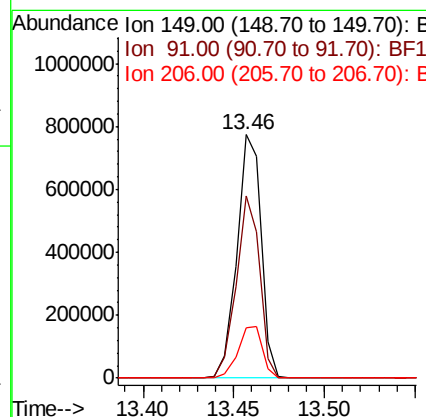
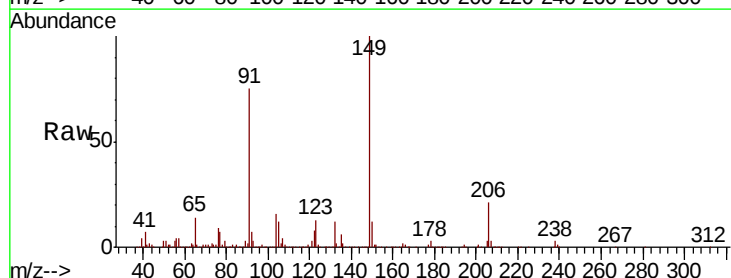
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#80  
 Butylbenzylphthalate  
 Concen: 38.504 ng  
 RT: 13.46 min Scan# 1933  
 Delta R.T. -0.01 min  
 Lab File: BF115705.D  
 Acq: 22 Jul 2019 13:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 91      | 74.9  | 55.8  | 83.8  |
| 206     | 20.6  | 18.2  | 27.2  |





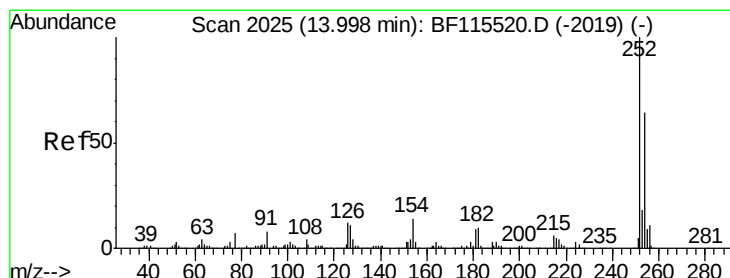
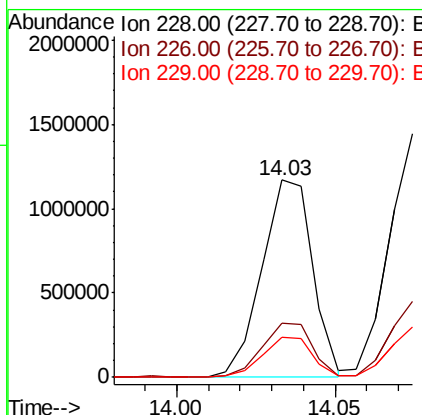
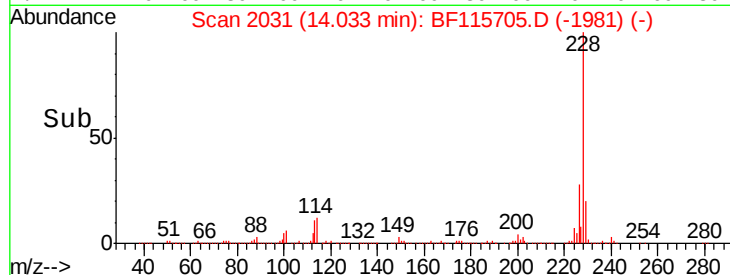
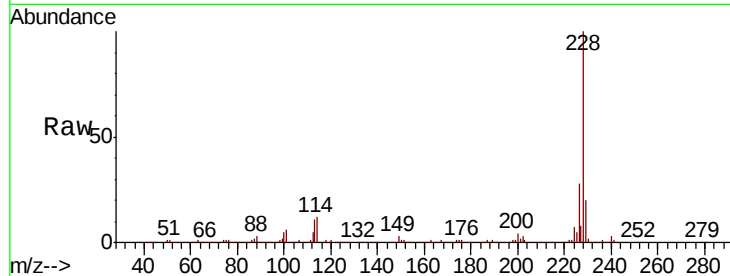
#81  
Benzo(a)anthracene  
Concen: 38.316 ng  
RT: 14.03 min Scan# 2031  
Delta R.T. -0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB121540BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.7  | 23.4  | 35.0  |
| 229     | 20.2  | 17.2  | 25.8  |

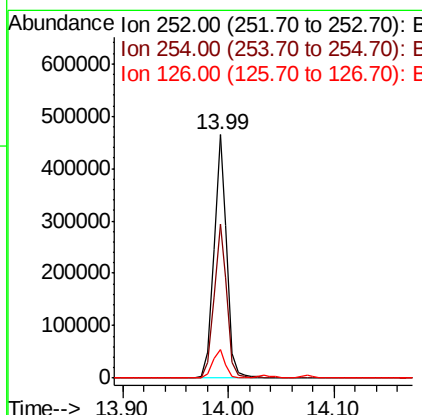
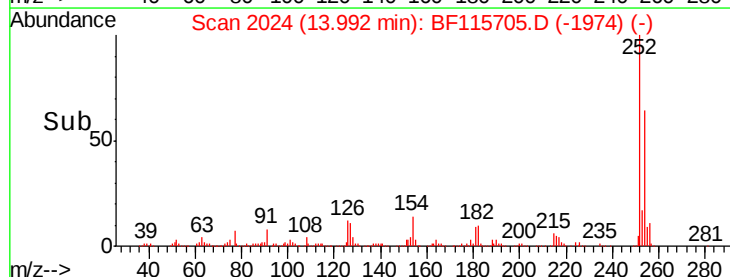
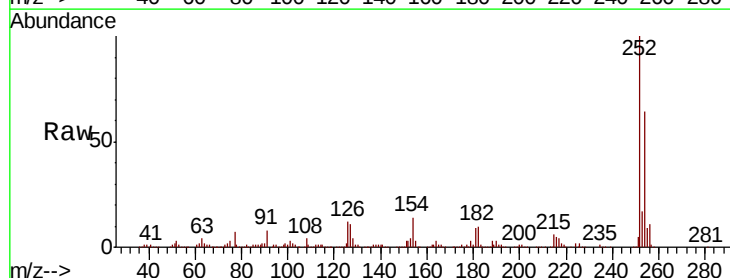
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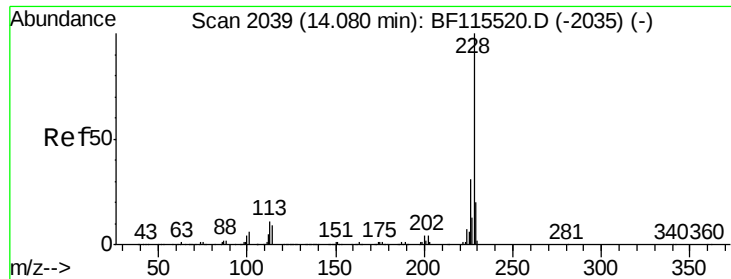
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#82  
3,3'-Dichlorobenzidine  
Concen: 32.953 ng  
RT: 13.99 min Scan# 2024  
Delta R.T. -0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 63.5  | 52.9  | 79.3  |
| 126     | 11.6  | 9.9   | 14.9  |





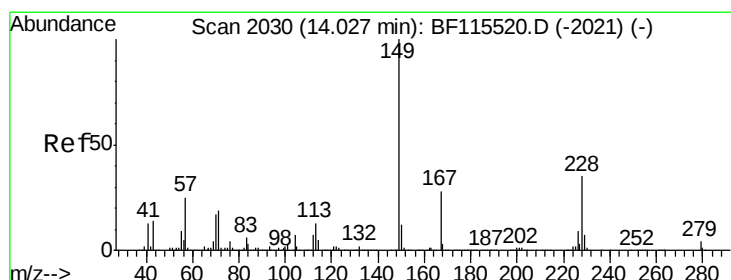
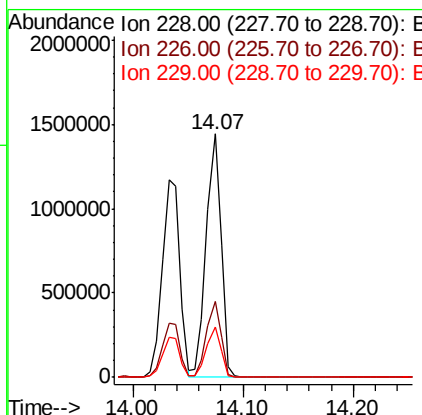
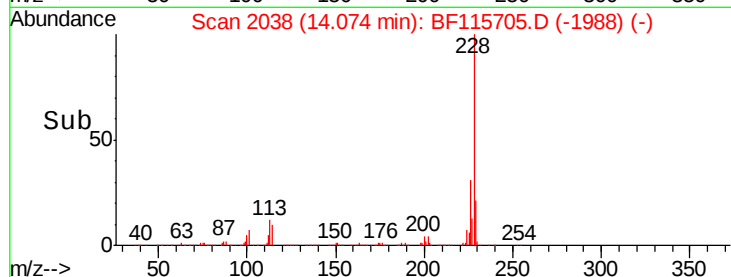
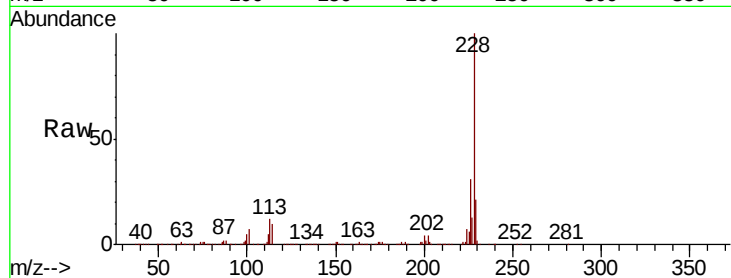
#83  
 Chrvsene  
 Concen: 38.112 ng  
 RT: 14.07 min Scan# 2038  
 Delta R.T. -0.01 min  
 Lab File: BF115705.D  
 Acq: 22 Jul 2019 13:19

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB121540BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.4  | 25.7  | 38.5  |
| 229     | 20.7  | 16.6  | 25.0  |

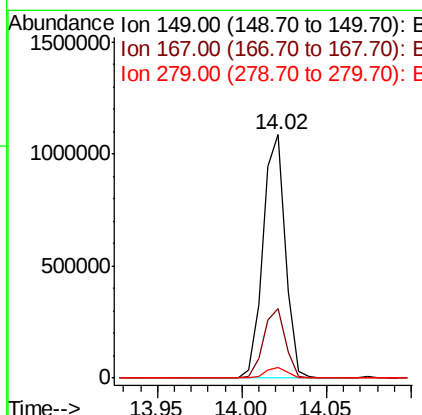
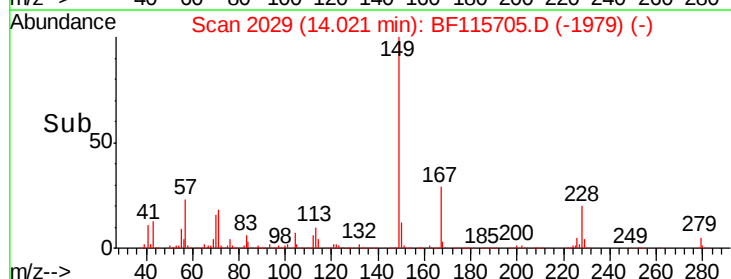
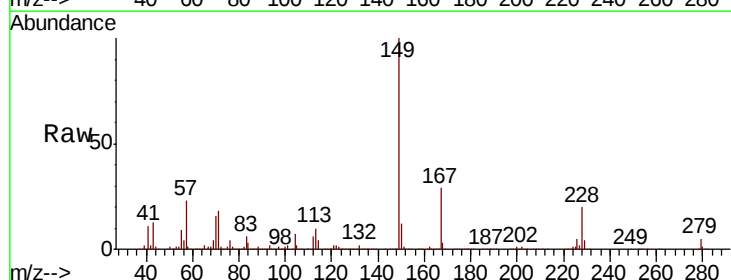
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#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 43.113 ng  
 RT: 14.02 min Scan# 2029  
 Delta R.T. -0.01 min  
 Lab File: BF115705.D  
 Acq: 22 Jul 2019 13:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 28.8  | 23.0  | 34.4  |
| 279     | 4.6   | 4.2   | 6.2   |





#85

Di-n-octyl phthalate

Concen: 43.907 ng

RT: 14.63 min Scan# 2133

Delta R.T. -0.01 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

Instrument :

BNA\_F

ClientSampleId :

PB121540BS

Tot Ion:149 Resp: 1615975

Ion Ratio Lower Upper

149 100

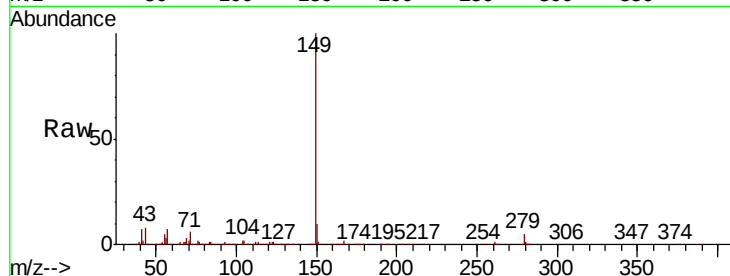
167 1.7 1.4 2.0

43 9.0 7.2 10.8

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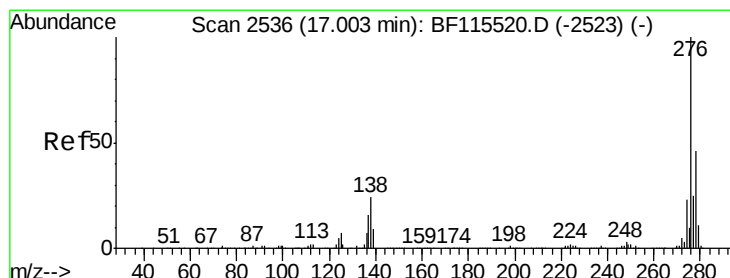
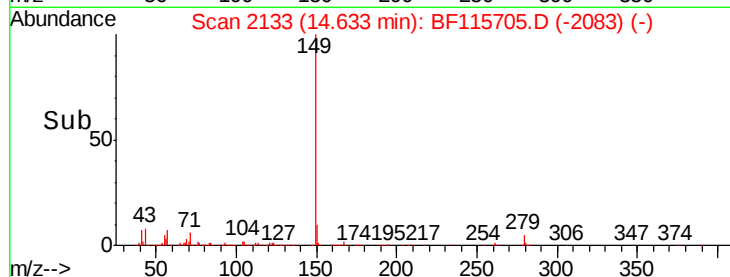
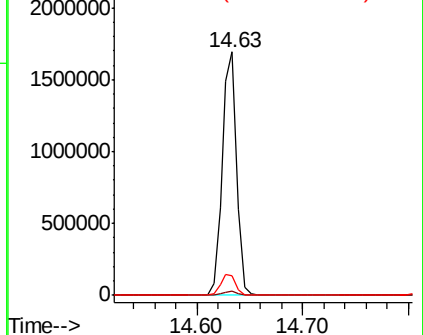
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Abundance Ion 149.00 (148.70 to 149.70): E

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: 38.325 ng

RT: 17.00 min Scan# 2536

Delta R.T. 0.00 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

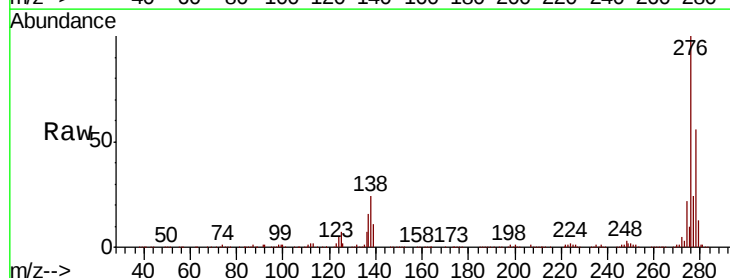
Tgt Ion:276 Resp: 1113389

Ion Ratio Lower Upper

276 100

138 25.4 20.2 30.2

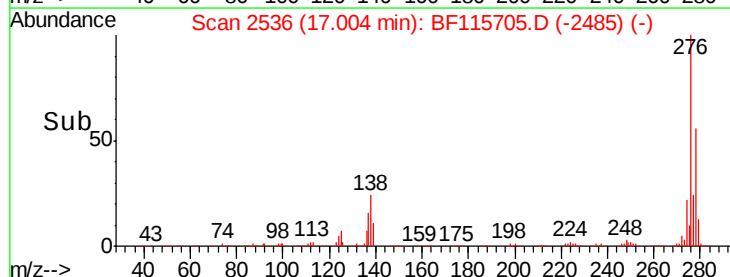
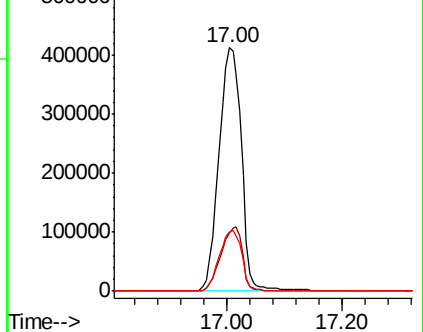
277 24.9 20.4 30.6

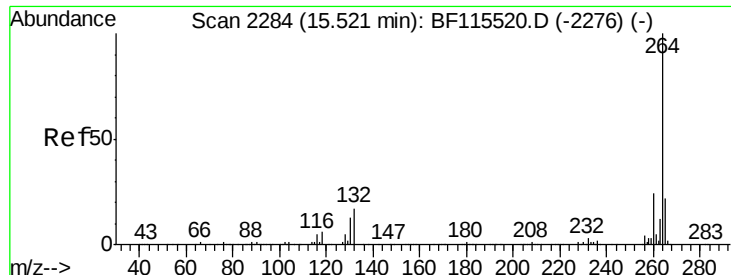


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.52 min Scan# 2283

Delta R.T. -0.01 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

Instrument :

BNA\_F

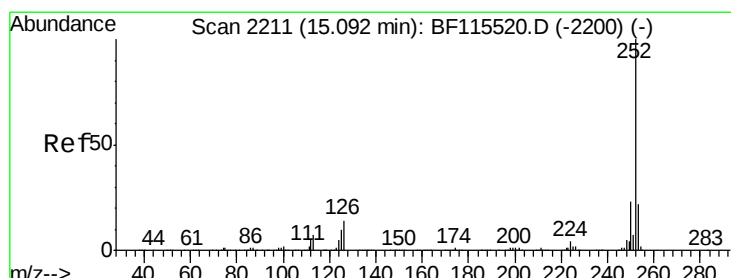
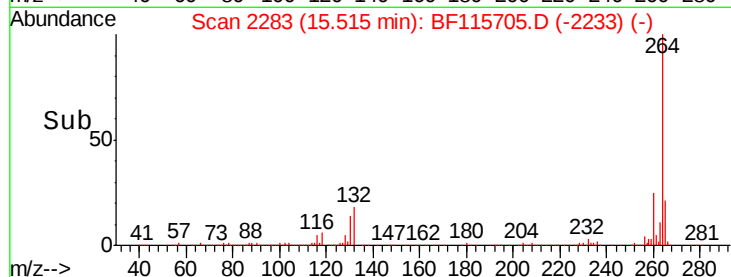
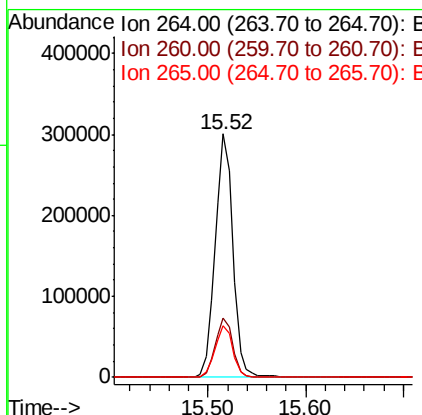
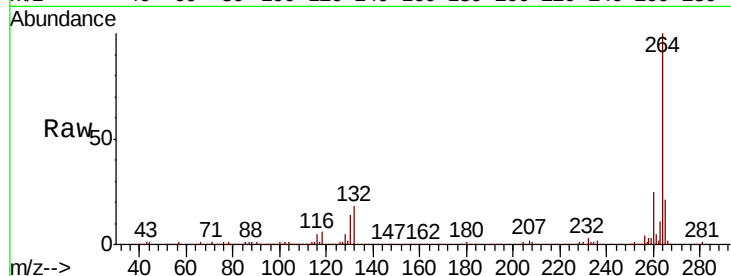
ClientSampleId :

PB121540BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 378642 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 24.6  | 19.8  | 29.8   |
| 265       | 21.4  | 17.7  | 26.5   |

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#88

Benzo(b)fluoranthene

Concen: 50.482 ng

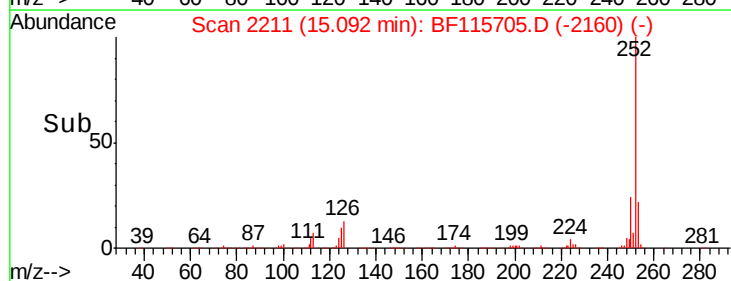
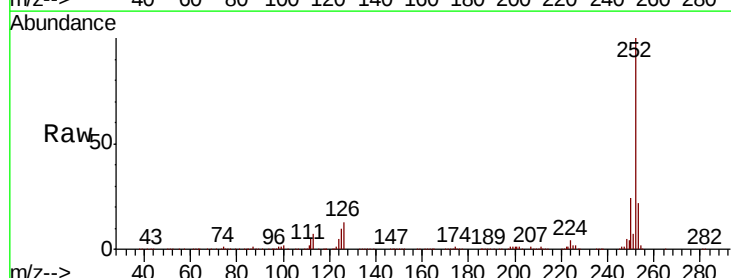
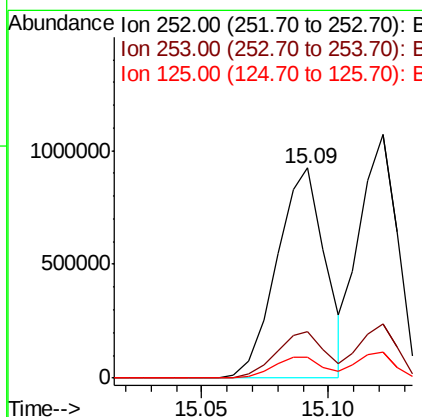
RT: 15.09 min Scan# 2211

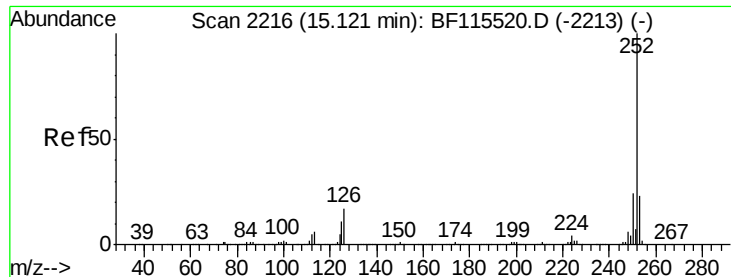
Delta R.T. 0.00 min

Lab File: BF115705.D

Acq: 22 Jul 2019 13:19

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 252   | Resp: | 1230828 |
| Ion Ratio | Lower | Upper |         |
| 252       | 100   |       |         |
| 253       | 22.1  | 18.1  | 27.1    |
| 125       | 10.2  | 9.0   | 13.4    |





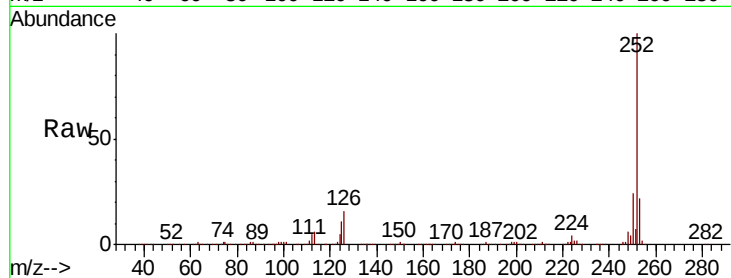
#89  
Benzo(k)fluoranthene  
Concen: 52.026 ng  
RT: 15.12 min Scan# 2216  
Delta R.T. 0.00 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB121540BS

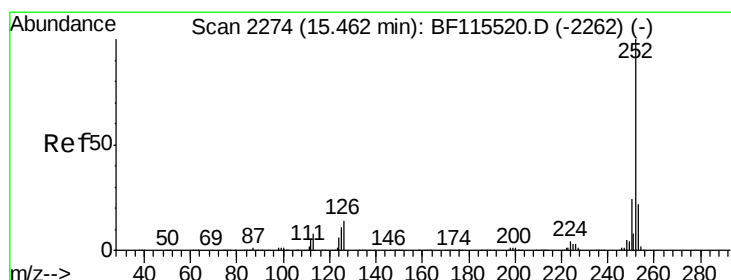
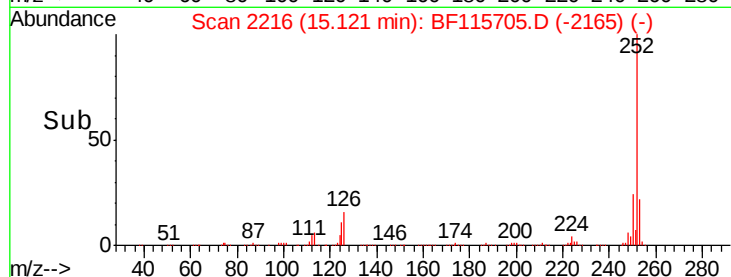
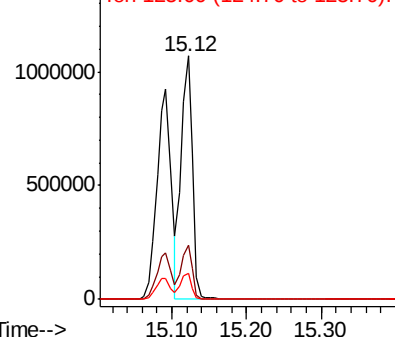
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.4  | 18.6  | 28.0  |
| 125     | 10.8  | 9.0   | 13.6  |

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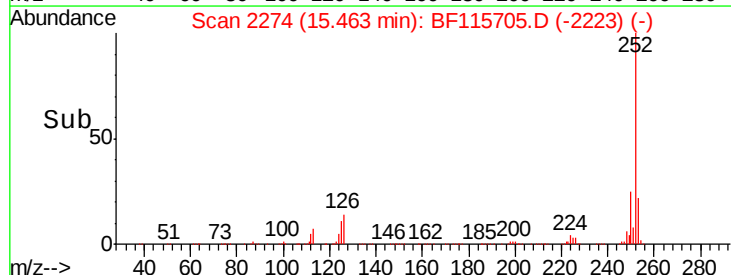
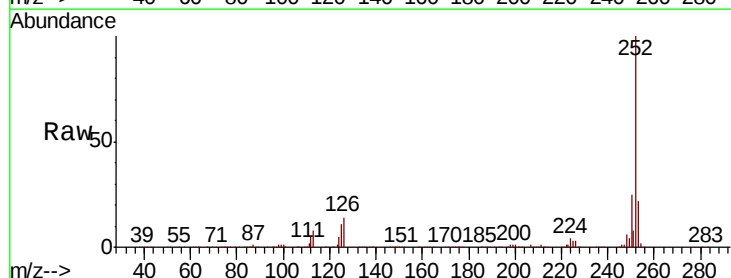
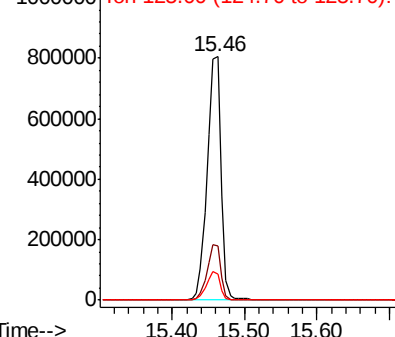
Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

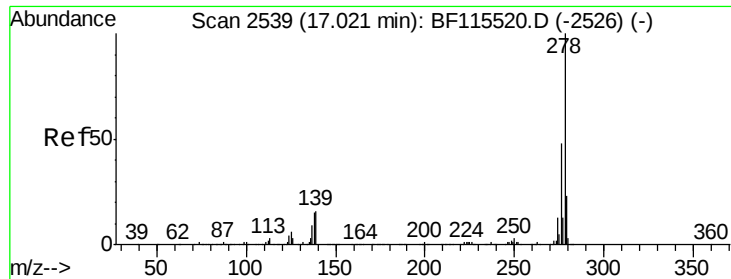


#90  
Benzo(a)pyrene  
Concen: 51.229 ng  
RT: 15.46 min Scan# 2274  
Delta R.T. 0.00 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.4  | 17.8  | 26.6  |
| 125     | 10.7  | 9.1   | 13.7  |

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





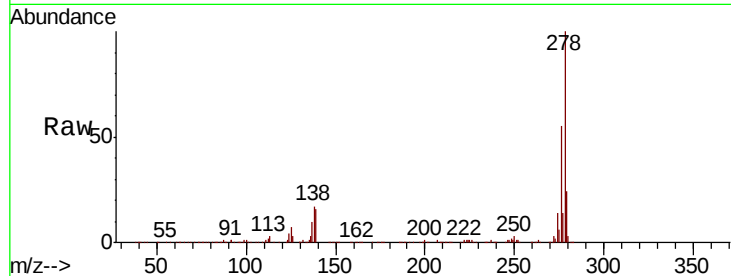
#91  
Dibenzo(a,h)anthracene  
Concen: 51.096 ng  
RT: 17.02 min Scan# 2539  
Delta R.T. 0.00 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

Instrument :  
BNA\_F  
ClientSampleId :  
PB121540BS

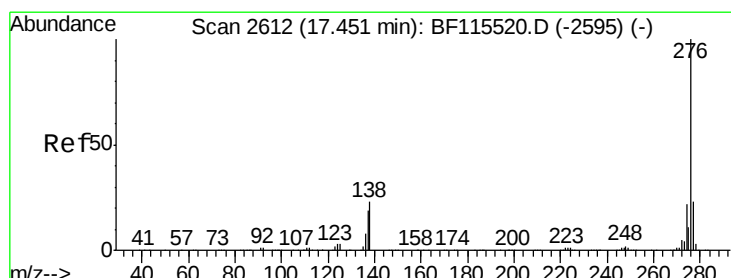
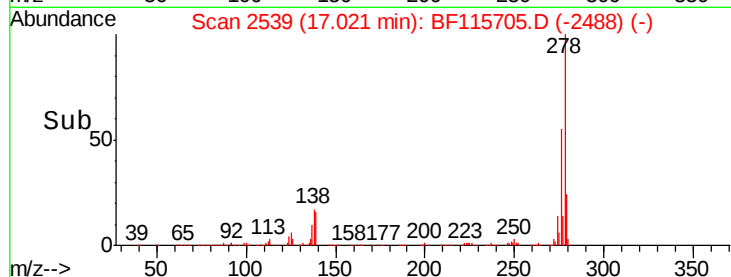
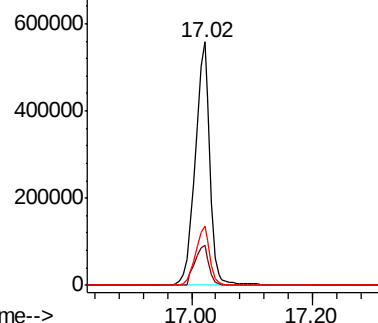
| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 278     | 100  |       |       |       |
| 139     | 16.4 | 13.1  | 19.7  |       |
| 279     | 24.3 | 19.6  | 29.4  |       |

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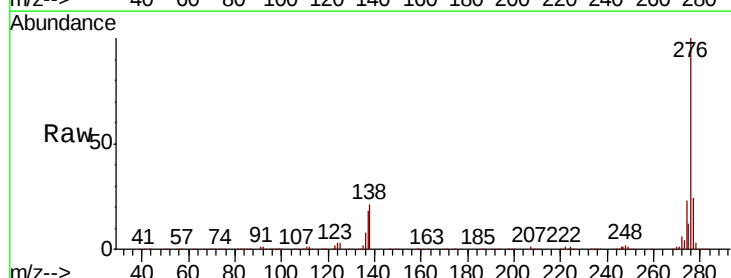


Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E



#92  
Benzo(g,h,i)perylene  
Concen: 49.150 ng  
RT: 17.46 min Scan# 2613  
Delta R.T. 0.01 min  
Lab File: BF115705.D  
Acq: 22 Jul 2019 13:19

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 276     | 100  |       |       |       |
| 277     | 23.5 | 19.0  | 28.4  |       |
| 138     | 21.4 | 17.2  | 25.8  |       |



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

