

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100615\  
 Data File : BF082082.D  
 Acq On : 6 Oct 2015 14:05  
 Operator : UM/IZ  
 Sample : PB85944BS  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85944BS

Manual Integrations  
 APPROVED

mmdadoda  
 10/7/2015 4:51:49 PM

Quant Time: Oct 07 03:49:39 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 07 02:00:35 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.88  | 152  | 86443    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.17  | 136  | 349803   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.93  | 164  | 177352   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.42 | 188  | 356752   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.06 | 240  | 332390   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.51 | 264  | 303447   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.49  | 112 | 487152  | 102.30 | ng | 0.01 |
| 7) Phenol-d6             | 6.51  | 99  | 668828  | 111.62 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.45  | 82  | 405651  | 77.30  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.72 | 330 | 189468  | 105.49 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.25  | 172 | 804646  | 74.04  | ng | 0.00 |
| 78) Terphenyl-d14        | 13.01 | 244 | 1004349 | 103.85 | ng | 0.00 |

## Target Compounds

|                                |      |     |        |       |    | Qvalue |
|--------------------------------|------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.56 | 88  | 67670  | 32.68 | ng | 87     |
| 3) Pyridine                    | 3.29 | 79  | 192999 | 35.80 | ng | 85     |
| 4) n-Nitrosodimethylamine      | 3.26 | 42  | 75703  | 30.91 | ng | 90     |
| 6) Aniline                     | 6.55 | 93  | 205166 | 25.49 | ng | 93     |
| 8) 2-Chlorophenol              | 6.66 | 128 | 197539 | 37.57 | ng | 85     |
| 9) Benzaldehyde                | 6.43 | 77  | 33679  | 8.58  | ng | 91     |
| 10) Phenol                     | 6.54 | 94  | 225674 | 33.58 | ng | # 49   |
| 11) bis(2-Chloroethyl)ether    | 6.62 | 93  | 196746 | 37.74 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 6.82 | 146 | 242163 | 38.99 | ng | # 96   |
| 13) 1,4-Dichlorobenzene        | 6.90 | 146 | 239846 | 36.98 | ng | 97     |
| 14) 1,2-Dichlorobenzene        | 7.05 | 146 | 229501 | 39.71 | ng | 93     |
| 15) Benzyl Alcohol             | 7.03 | 79  | 161548 | 37.35 | ng | # 76   |
| 16) 2,2'-oxybis(1-Chloropropan | 7.17 | 45  | 288596 | 39.16 | ng | 81     |
| 17) 2-Methylphenol             | 7.14 | 107 | 171977 | 40.34 | ng | # 85   |
| 18) Hexachloroethane           | 7.39 | 117 | 82794  | 40.78 | ng | # 79   |
| 19) n-Nitroso-di-n-propylamine | 7.30 | 70  | 140901 | 38.69 | ng | # 76   |
| 20) 3+4-Methylphenols          | 7.29 | 107 | 195992 | 36.40 | ng | # 55   |
| 22) Acetophenone               | 7.29 | 105 | 272183 | 38.06 | ng | # 74   |
| 24) Nitrobenzene               | 7.47 | 77  | 213350 | 37.44 | ng | # 78   |
| 25) Isophorone                 | 7.70 | 82  | 379254 | 36.46 | ng | # 88   |
| 26) 2-Nitrophenol              | 7.78 | 139 | 107636 | 39.35 | ng | # 54   |
| 27) 2,4-Dimethylphenol         | 7.83 | 122 | 193508 | 40.22 | ng | # 83   |
| 28) bis(2-Chloroethoxy)methane | 7.92 | 93  | 229943 | 37.23 | ng | # 93   |
| 29) 2,4-Dichlorophenol         | 8.03 | 162 | 187626 | 40.21 | ng | 95     |
| 30) 1,2,4-Trichlorobenzene     | 8.11 | 180 | 201321 | 38.65 | ng | 99     |
| 31) Naphthalene                | 8.19 | 128 | 597617 | 38.56 | ng | 98     |
| 32) Benzoic acid               | 7.94 | 122 | 101446 | 37.20 | ng | # 70   |
| 33) 4-Chloroaniline            | 8.25 | 127 | 145135 | 21.65 | ng | # 96   |
| 34) Hexachlorobutadiene        | 8.31 | 225 | 125369 | 40.70 | ng | 99     |
| 35) Caprolactam                | 8.61 | 113 | 56299m | 43.59 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 8.73 | 107 | 194432 | 42.62 | ng | 88     |
| 37) 2-Methylnaphthalene        | 8.88 | 142 | 391591 | 37.01 | ng | # 89   |
| 39) 1,2,4,5-Tetrachlorobenzene | 9.05 | 216 | 208675 | 38.33 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 9.03 | 237 | 209461 | 74.70 | ng | 95     |

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 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85944BS

Manual Integrations  
 APPROVED

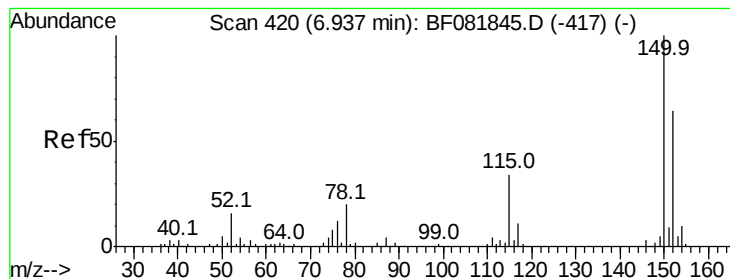
mmdadoda  
 10/7/2015 4:51:49 PM

Quant Time: Oct 07 03:49:39 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M  
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 QLast Update : Wed Oct 07 02:00:35 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 9.17  | 196  | 144147   | 38.62 | nq    | 97       |
| 43) 2,4,5-Trichlorophenol      | 9.21  | 196  | 151753   | 39.53 | nq    | # 93     |
| 45) 1,1'-Biphenyl              | 9.35  | 154  | 516261   | 37.73 | nq    | 95       |
| 46) 2-Chloronaphthalene        | 9.37  | 162  | 393007   | 36.58 | nq    | 94       |
| 47) 2-Nitroaniline             | 9.47  | 65   | 120389   | 38.17 | nq    | # 79     |
| 48) Acenaphthylene             | 9.79  | 152  | 665871   | 38.72 | nq    | 97       |
| 49) Dimethylphthalate          | 9.66  | 163  | 505919   | 41.33 | nq    | # 97     |
| 50) 2,6-Dinitrotoluene         | 9.71  | 165  | 100635   | 37.86 | nq    | # 61     |
| 51) Acenaphthene               | 9.97  | 154  | 397689   | 38.95 | nq    | 88       |
| 52) 3-Nitroaniline             | 9.89  | 138  | 78811    | 25.63 | nq    | # 66     |
| 53) 2,4-Dinitrophenol          | 10.00 | 184  | 110211   | 82.96 | nq    | # 82     |
| 54) Dibenzofuran               | 10.14 | 168  | 589075   | 40.82 | nq    | # 91     |
| 55) 4-Nitrophenol              | 10.06 | 139  | 172673   | 77.72 | nq    | # 64     |
| 56) 2,4-Dinitrotoluene         | 10.13 | 165  | 152940   | 45.14 | nq    | # 97     |
| 57) Fluorene                   | 10.48 | 166  | 476162   | 46.19 | nq    | 93       |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.25 | 232  | 130049   | 42.71 | nq    | 95       |
| 59) Diethylphthalate           | 10.35 | 149  | 498686   | 43.61 | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 10.47 | 204  | 209269   | 39.61 | nq    | # 88     |
| 61) 4-Nitroaniline             | 10.50 | 138  | 113531   | 36.82 | nq    | # 48     |
| 62) Azobenzene                 | 10.63 | 77   | 457562   | 41.00 | nq    | 91       |
| 64) 4,6-Dinitro-2-methylphenol | 10.53 | 198  | 70700    | 44.46 | nq    | 93       |
| 65) n-Nitrosodiphenylamine     | 10.59 | 169  | 420411   | 38.95 | nq    | 92       |
| 66) 4-Bromophenyl-phenylether  | 10.96 | 248  | 145519   | 40.45 | nq    | 98       |
| 67) Hexachlorobenzene          | 11.03 | 284  | 145168   | 35.76 | nq    | # 74     |
| 68) Atrazine                   | 11.12 | 200  | 138482   | 41.35 | nq    | 84       |
| 69) Pentachlorophenol          | 11.22 | 266  | 173070   | 74.82 | nq    | 99       |
| 70) Phenanthrene               | 11.44 | 178  | 674271   | 39.05 | nq    | 96       |
| 71) Anthracene                 | 11.50 | 178  | 776457   | 42.82 | nq    | 98       |
| 72) Carbazole                  | 11.66 | 167  | 664156   | 40.47 | nq    | 97       |
| 73) Di-n-butylphthalate        | 11.98 | 149  | 791693   | 47.44 | nq    | # 98     |
| 74) Fluoranthene               | 12.63 | 202  | 739047   | 38.67 | nq    | 91       |
| 76) Benzidine                  | 12.75 | 184  | 345509   | 34.50 | nq    | 98       |
| 77) Pyrene                     | 12.86 | 202  | 724149   | 36.47 | nq    | 95       |
| 79) Butylbenzylphthalate       | 13.47 | 149  | 323603   | 43.31 | nq    | 88       |
| 80) Benzo(a)anthracene         | 14.05 | 228  | 705209   | 39.40 | nq    | 96       |
| 81) 3,3'-Dichlorobenzidine     | 14.01 | 252  | 171538   | 28.38 | nq    | # 95     |
| 82) Chrysene                   | 14.09 | 228  | 714451   | 46.57 | nq    | 94       |
| 83) Bis(2-ethylhexyl)phthalate | 14.04 | 149  | 474012   | 50.57 | nq    | # 95     |
| 84) Di-n-octyl phthalate       | 14.65 | 149  | 772879   | 50.67 | nq    | # 91     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.95 | 276  | 585278   | 41.80 | nq    | # 87     |
| 87) Benzo(b)fluoranthene       | 15.09 | 252  | 786619m  | 45.40 | nq    |          |
| 88) Benzo(k)fluoranthene       | 15.12 | 252  | 522515m  | 32.91 | nq    |          |
| 89) Benzo(a)pyrene             | 15.45 | 252  | 625417   | 41.62 | nq    | # 85     |
| 90) Dibenzo(a,h)anthracene     | 16.96 | 278  | 481027   | 38.15 | nq    | # 81     |
| 91) Benzo(g,h,i)perylene       | 17.38 | 276  | 473978   | 36.68 | nq    | # 76     |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.88 min Scan# 415

Delta R.T. -0.00 min

Lab File: BF082082.D

Acq: 6 Oct 2015 14:05

Instrument :

BNA\_F

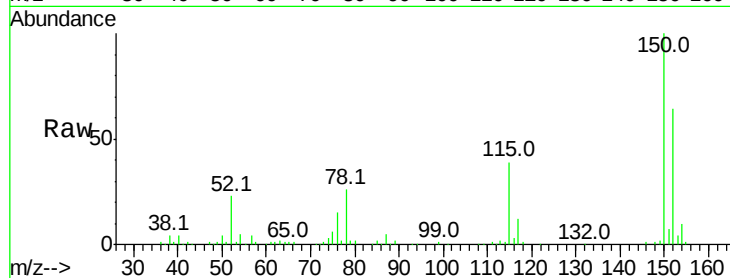
ClientSampleId :

PB85944BS

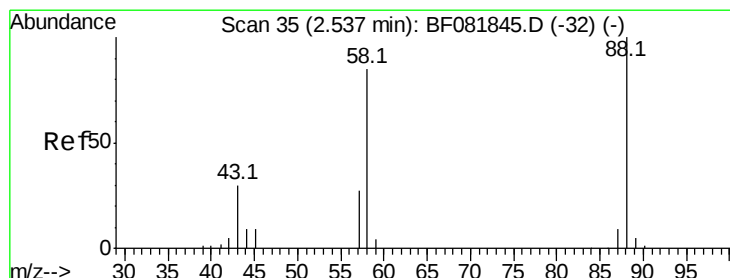
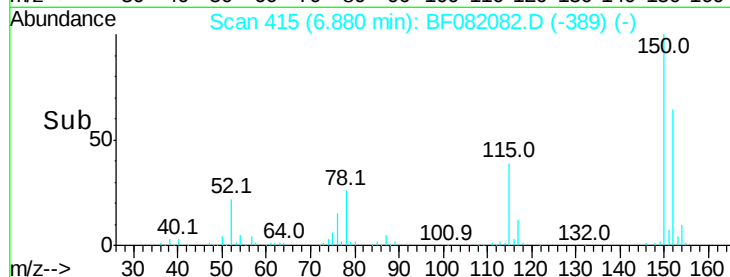
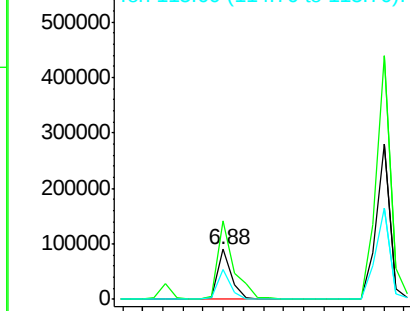
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 86443 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 155.6 | 124.7 | 187.1 |
| 115       | 60.2  | 39.0  | 58.4# |

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



#2

1,4-Dioxane

Concen: 32.68 ng

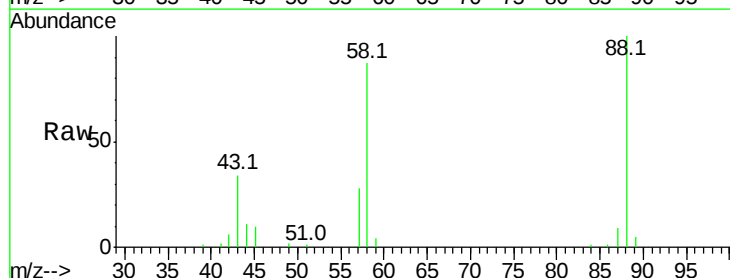
RT: 2.56 min Scan# 37

Delta R.T. 0.10 min

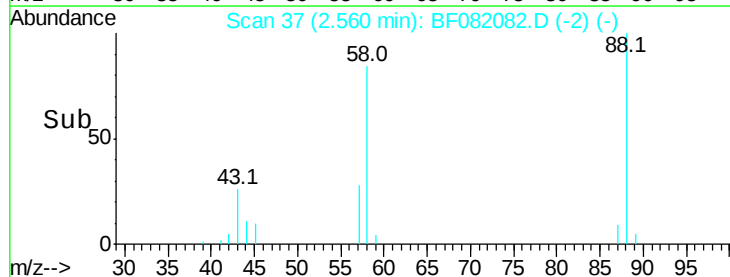
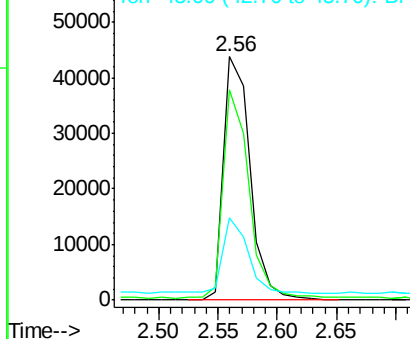
Lab File: BF082082.D

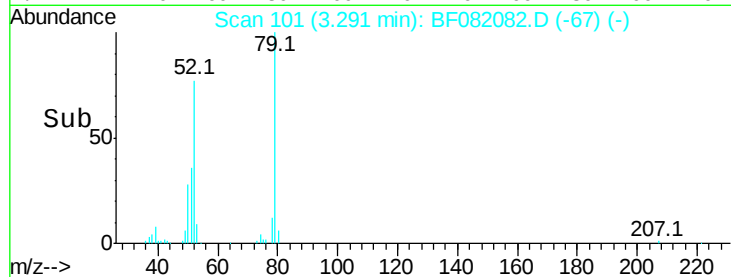
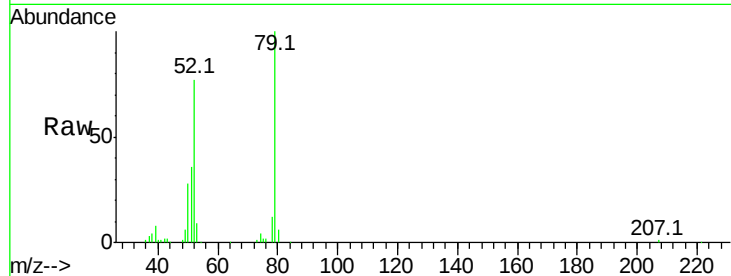
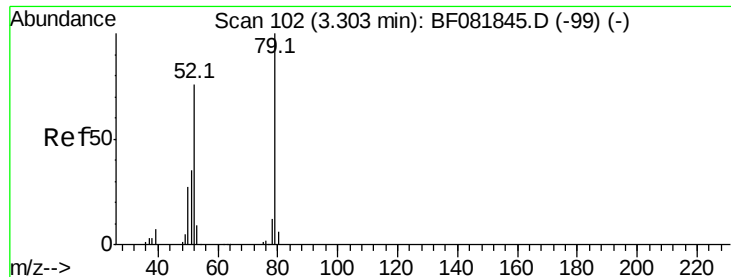
Acq: 6 Oct 2015 14:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 88    | Resp: | 67670 |
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 58        | 82.3  | 77.7  | 116.5 |
| 43        | 30.3  | 26.6  | 40.0  |



Abundance Ion 88.00 (87.70 to 88.70): BF0  
Ion 58.00 (57.70 to 58.70): BF0  
Ion 43.00 (42.70 to 43.70): BF0





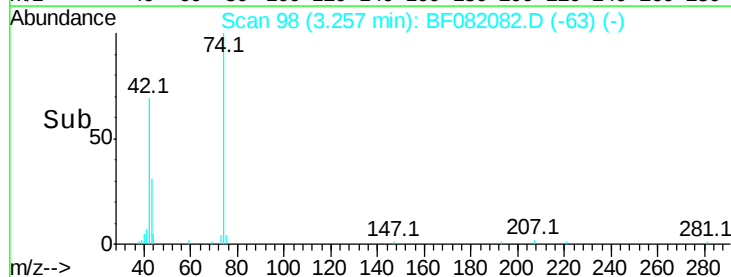
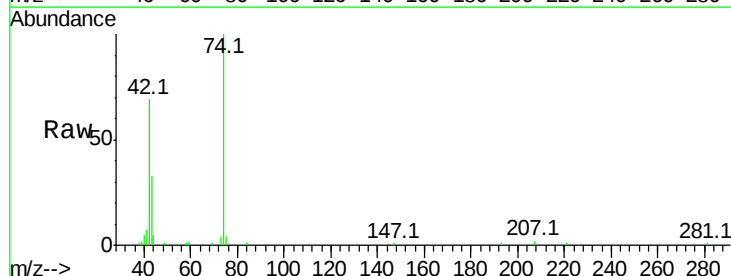
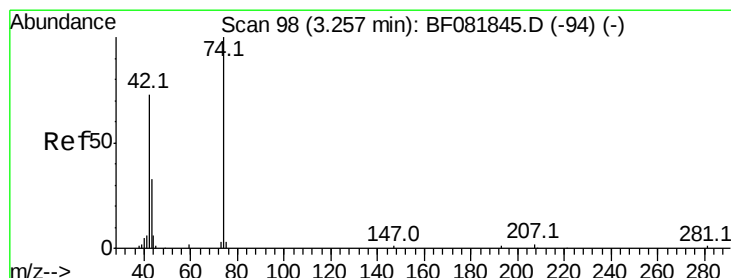
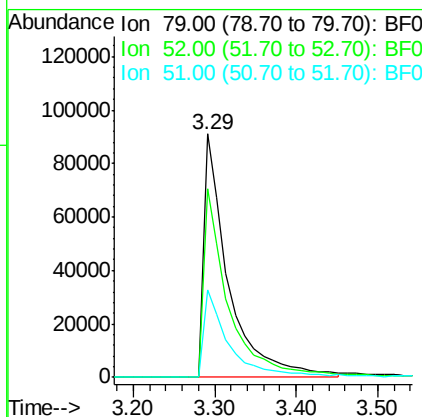
#3  
Pvridine  
Concen: 35.80 ng  
RT: 3.29 min Scan# 101  
Delta R.T. 0.09 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 77.4  | 76.8  | 115.2 |
| 51      | 36.1  | 32.2  | 48.4  |

Instrument :  
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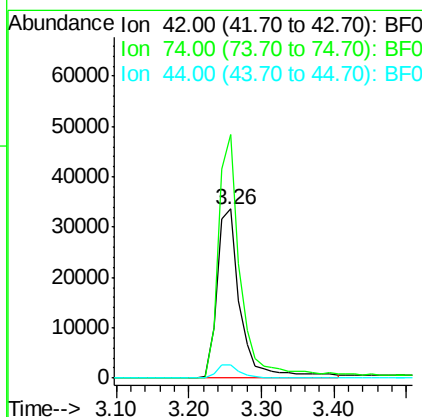
Manual Integrations  
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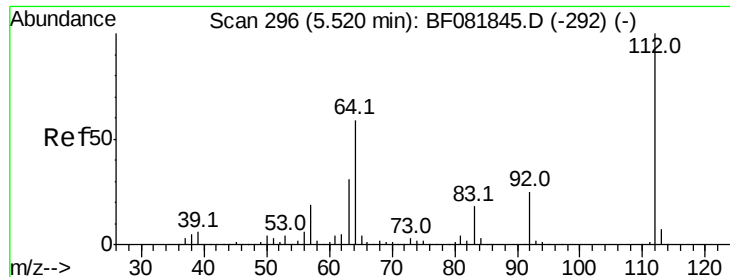
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#4  
n-Nitrosodimethylamine  
Concen: 30.91 ng  
RT: 3.26 min Scan# 98  
Delta R.T. 0.10 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 144.1 | 105.0 | 157.6 |
| 44      | 7.7   | 6.6   | 10.0  |





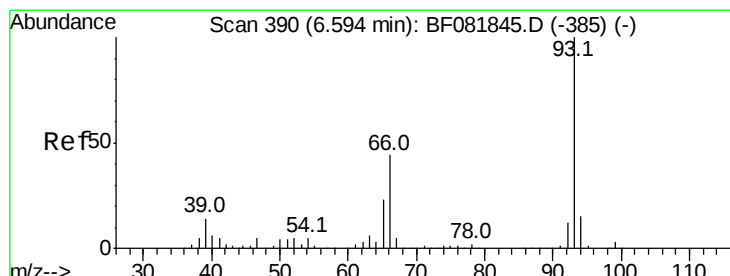
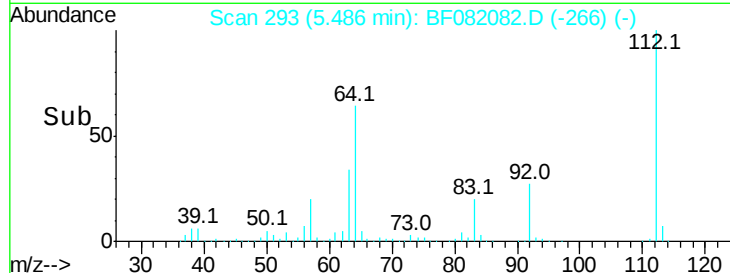
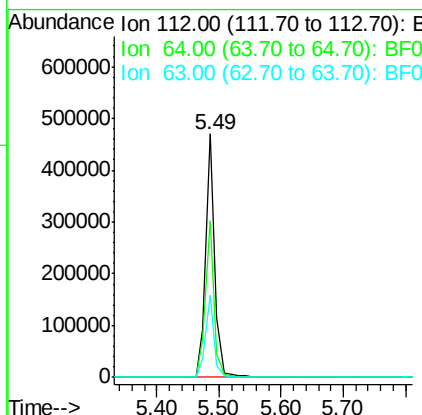
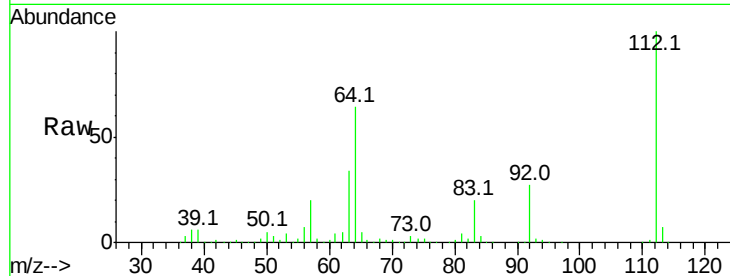
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 2-Fluorophenol  
 Concen: 102.30 ng  
 RT: 5.49 min Scan# 293  
 Delta R.T. 0.01 min  
 Lab File: BF082082.D  
 Acq: 6 Oct 2015 14:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85944BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 112     | 100   |            |       |
| 64      | 64.2  | 39.7       | 59.5# |
| 63      | 33.9  | 17.4       | 26.0# |

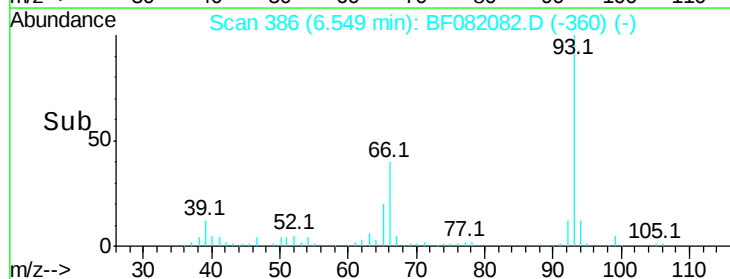
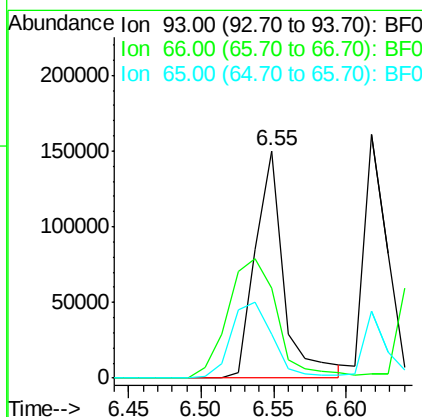
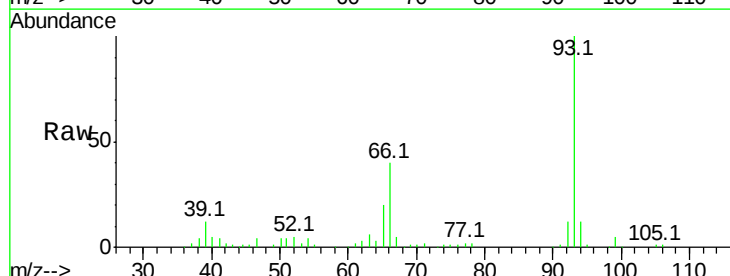
Manual Integrations  
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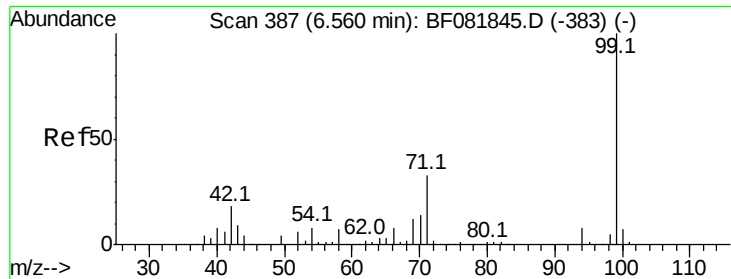
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#6  
 Aniline  
 Concen: 25.49 ng  
 RT: 6.55 min Scan# 386  
 Delta R.T. -0.00 min  
 Lab File: BF082082.D  
 Acq: 6 Oct 2015 14:05

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 93      | 100   |            |       |
| 66      | 39.7  | 27.2       | 40.8  |
| 65      | 19.6  | 14.7       | 22.1  |





#7

Phenol-d6

Concen: 111.62 ng

RT: 6.51 min Scan# 383

Delta R.T. -0.00 min

Lab File: BF082082.D

Acq: 6 Oct 2015 14:05

Instrument :

BNA\_F

ClientSampleId :

PB85944BS

Tot Ion: 99 Resp: 668828

Ion Ratio Lower Upper

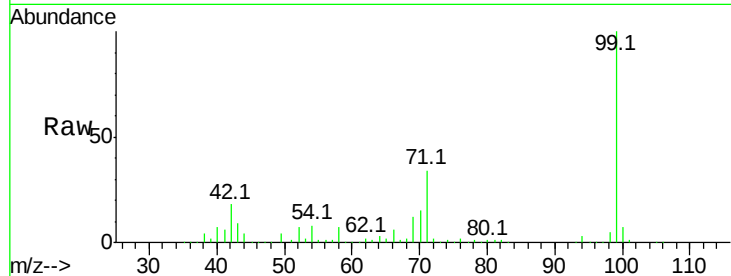
99 100

42 18.2 13.7 20.5

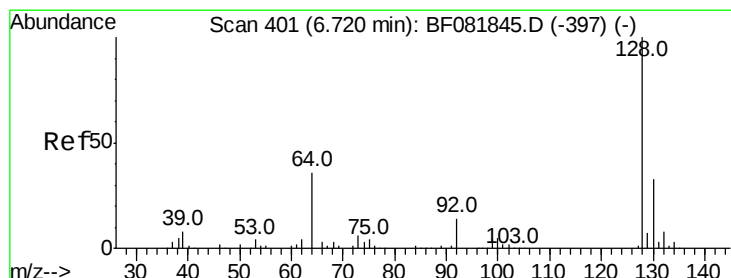
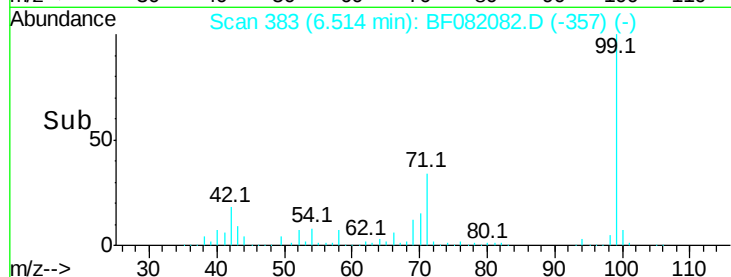
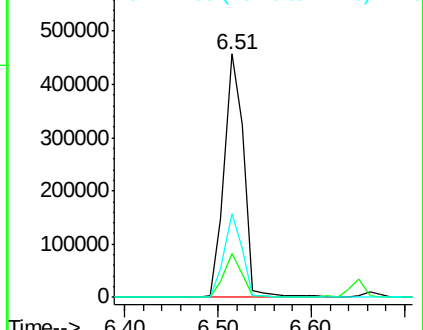
71 34.4 14.2 21.2#

Manual Integrations  
APPROVED

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Abundance Ion 99.00 (98.70 to 99.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 37.57 ng

RT: 6.66 min Scan# 396

Delta R.T. -0.00 min

Lab File: BF082082.D

Acq: 6 Oct 2015 14:05

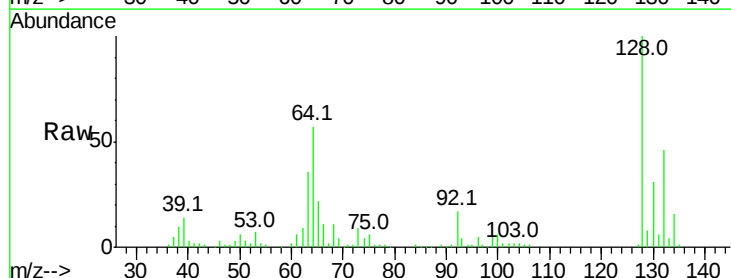
Tgt Ion: 128 Resp: 197539

Ion Ratio Lower Upper

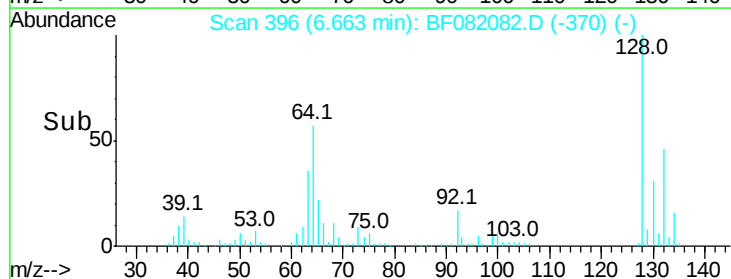
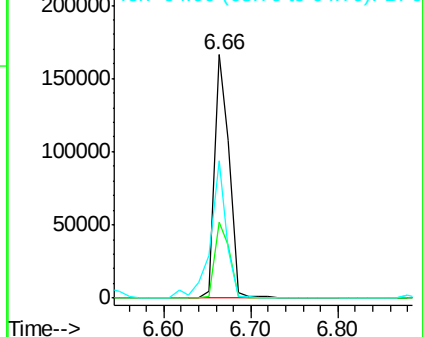
128 100

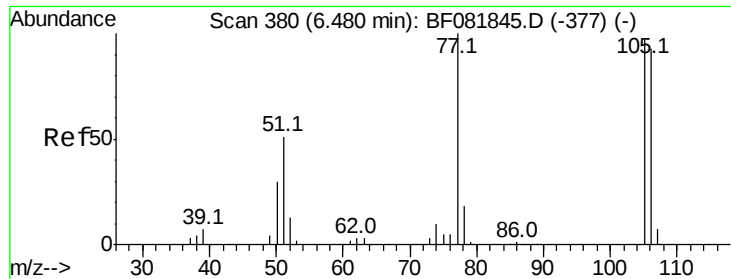
130 31.3 12.2 52.2

64 56.5 20.5 60.5



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 64.00 (63.70 to 64.70): BF0





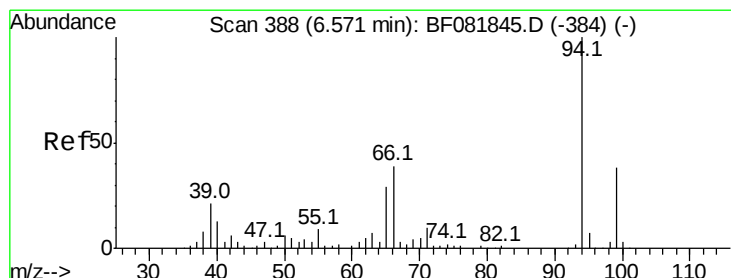
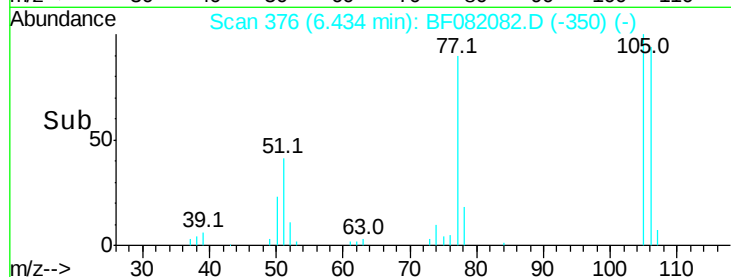
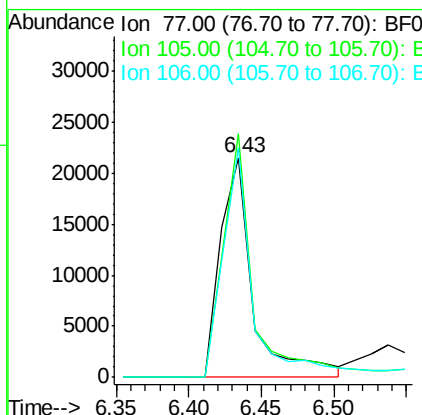
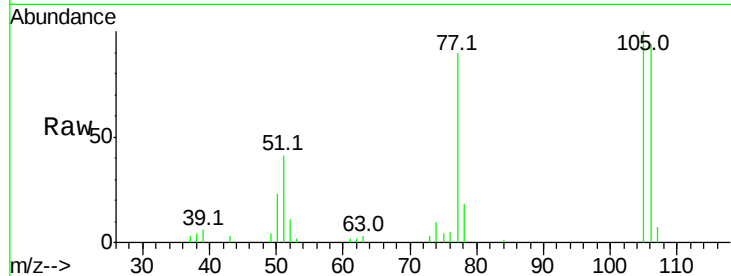
#9  
Benzaldehyde  
Concen: 8.58 ng  
RT: 6.43 min Scan# 376  
Delta R.T. -0.00 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

Instrument :  
BNA\_F  
ClientSampleId :  
PB85944BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 105     | 110.8 | 91.6  | 131.6 |
| 106     | 104.4 | 102.6 | 142.6 |

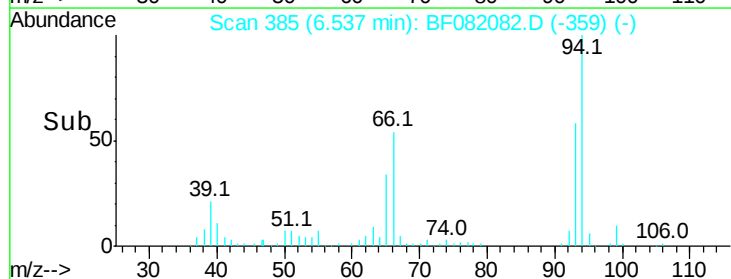
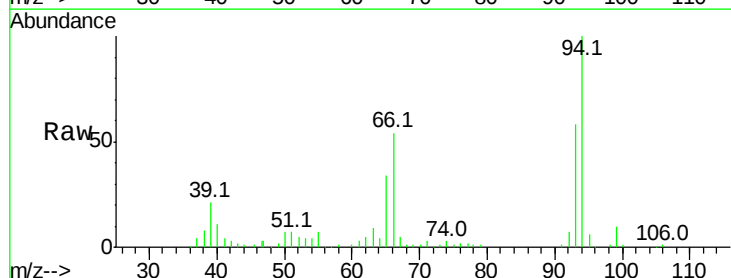
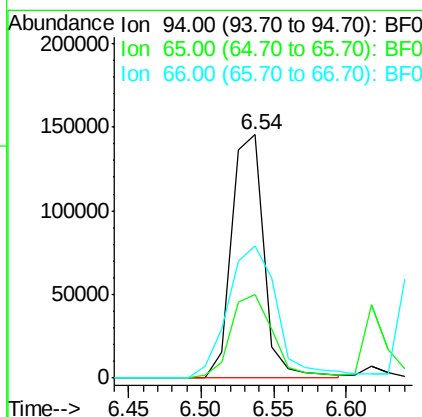
Manual Integrations  
APPROVED

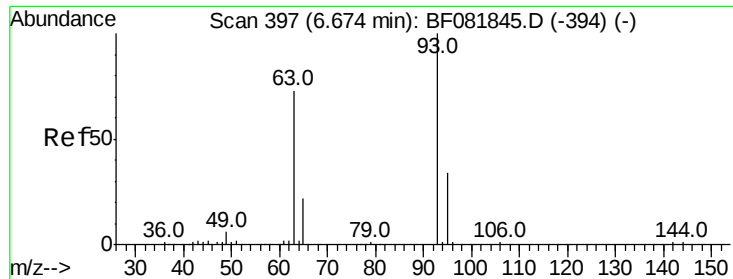
mmdadoda  
10/7/2015 4:51:49 PM



#10  
Phenol  
Concen: 33.58 ng  
RT: 6.54 min Scan# 385  
Delta R.T. -0.00 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 34.4  | 0.7   | 40.7  |
| 66      | 54.4  | 0.8   | 40.8# |





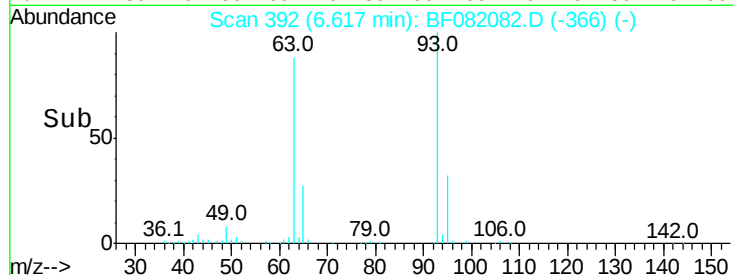
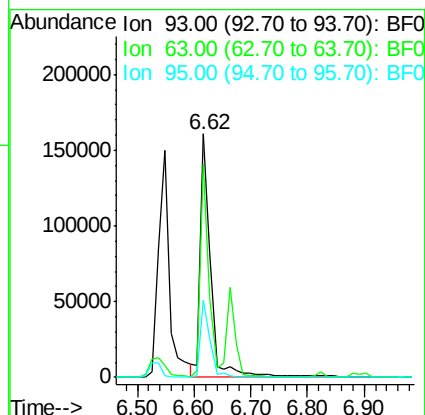
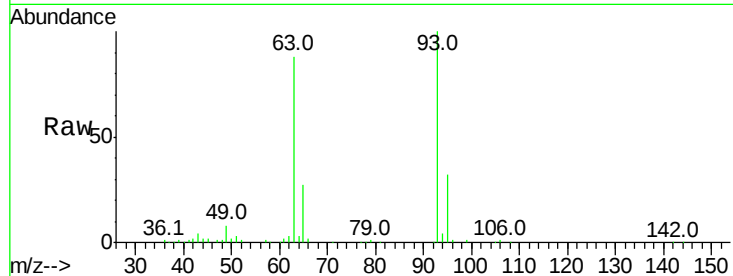
#11  
bis(2-Chloroethyl)ether  
Concen: 37.74 ng  
RT: 6.62 min Scan# 392  
Delta R.T. -0.00 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

Instrument :  
BNA\_F  
ClientSampleId :  
PB85944BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 87.7  | 65.6  | 105.6 |
| 95      | 31.9  | 13.6  | 53.6  |

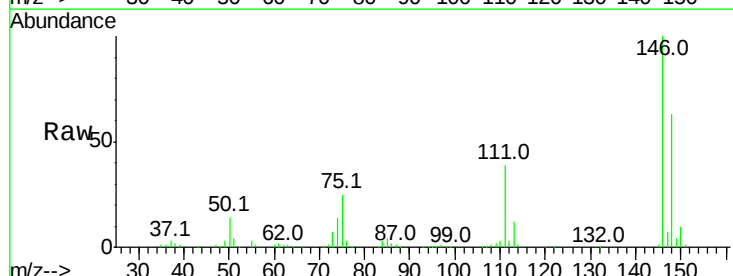
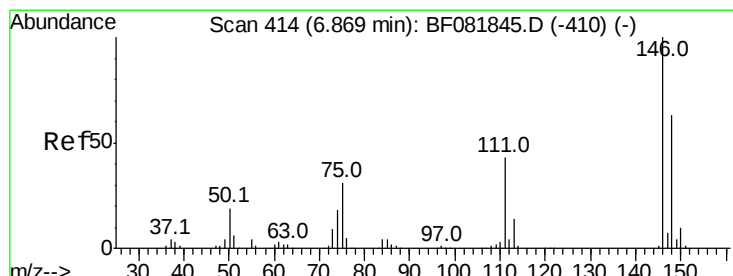
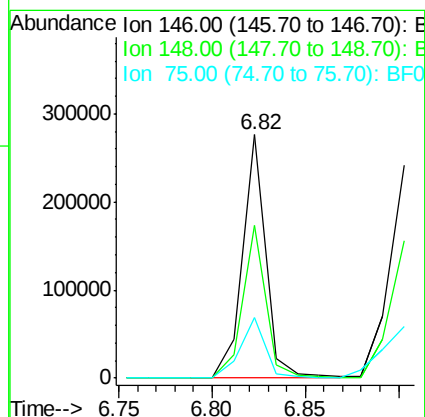
Manual Integrations  
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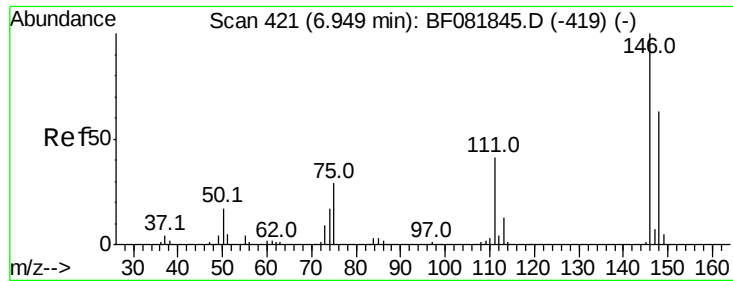
mmdadoda  
10/7/2015 4:51:49 PM



#12  
1,3-Dichlorobenzene  
Concen: 38.99 ng  
RT: 6.82 min Scan# 410  
Delta R.T. -0.00 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.7  | 51.0  | 76.4  |
| 75      | 24.7  | 15.0  | 22.6  |





#13

1,4-Dichlorobenzene

Concen: 36.98 ng

RT: 6.90 min Scan# 417

Delta R.T. -0.00 min

Lab File: BF082082.D

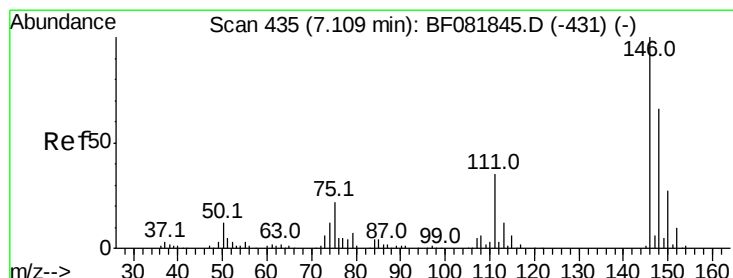
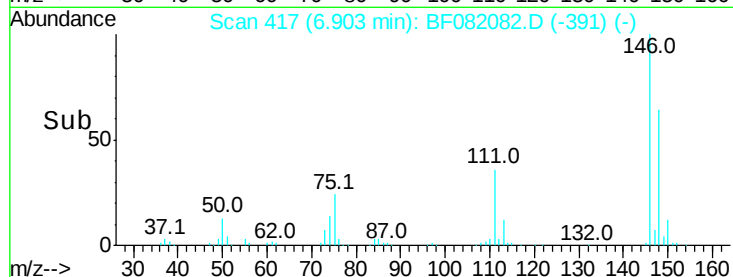
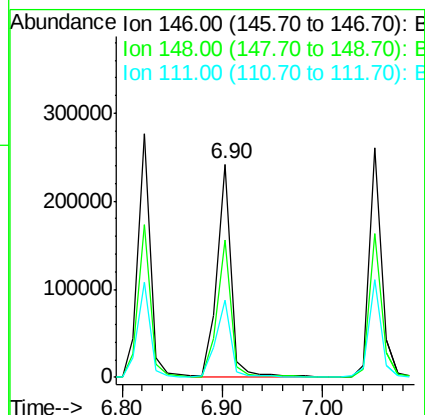
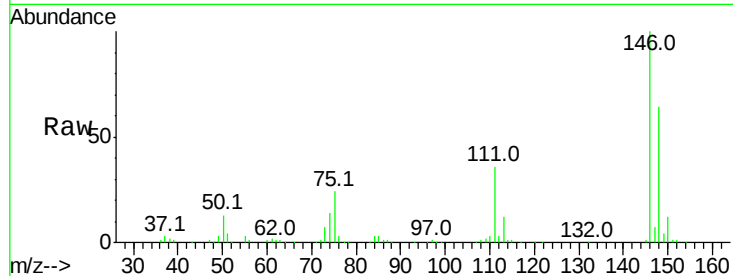
Acq: 6 Oct 2015 14:05

Instrument :  
BNA\_F  
ClientSampleId :  
PB85944BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 239846 |       |       |
| 148     | 64.3  | 51.8   | 77.6  |       |
| 111     | 36.1  | 24.9   | 37.3  |       |

Manual Integrations  
APPROVED

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#14

1,2-Dichlorobenzene

Concen: 39.71 ng

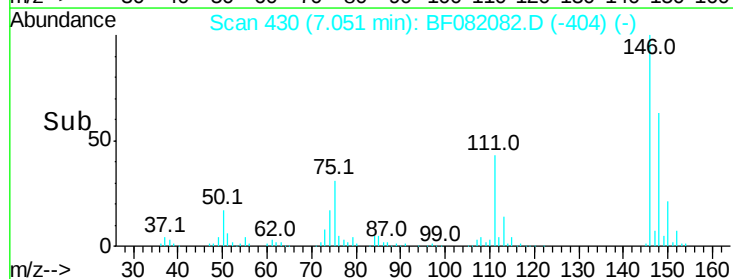
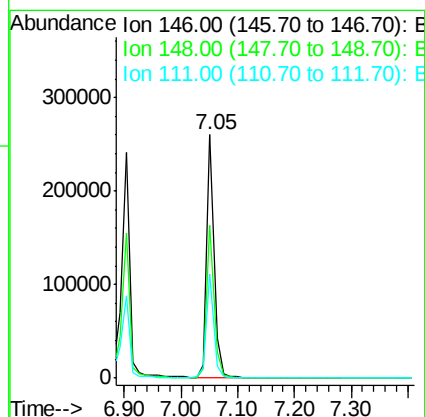
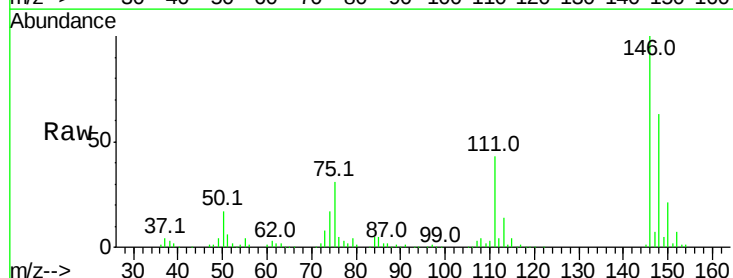
RT: 7.05 min Scan# 430

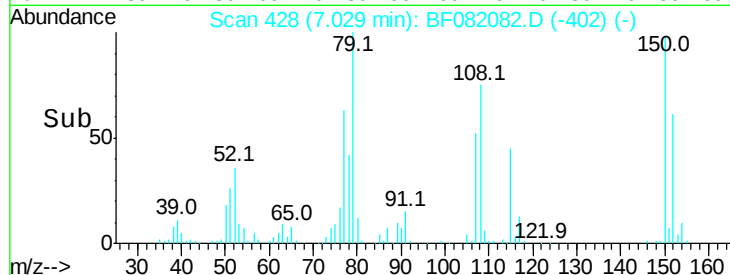
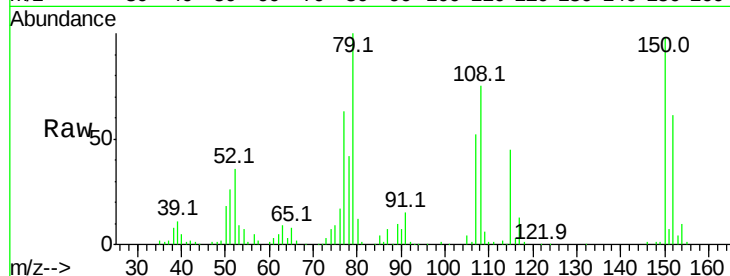
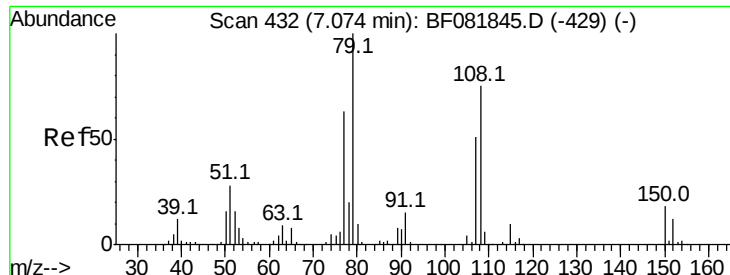
Delta R.T. -0.00 min

Lab File: BF082082.D

Acq: 6 Oct 2015 14:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 229501 |       |       |
| 148     | 62.7  | 52.7   | 79.1  |       |
| 111     | 42.9  | 28.8   | 43.2  |       |





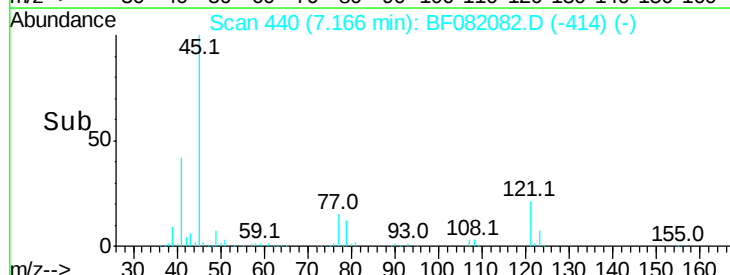
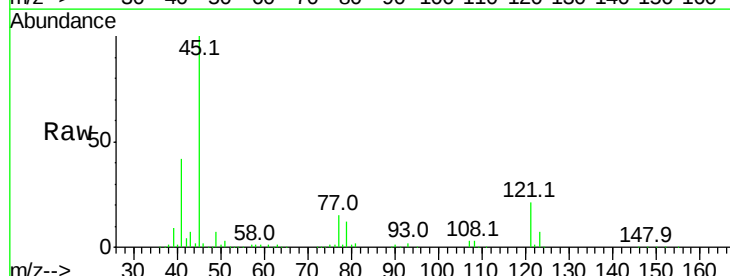
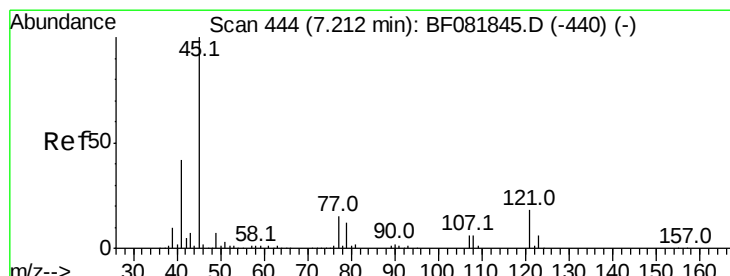
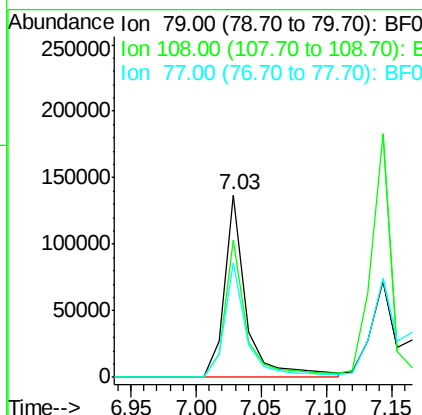
#15  
Benzyl Alcohol  
Concen: 37.35 ng  
RT: 7.03 min Scan# 428  
Delta R.T. -0.00 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

Tot Ion: 79 Resp: 161548  
Ion Ratio Lower Upper  
79 100  
108 75.3 88.6 132.8#  
77 62.7 47.0 70.4

Instrument :  
BNA\_F  
ClientSampled :  
PB85944BS

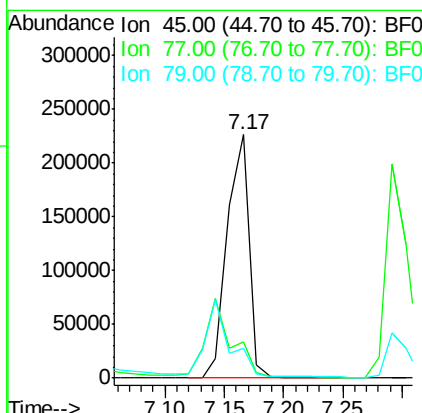
Manual Integrations  
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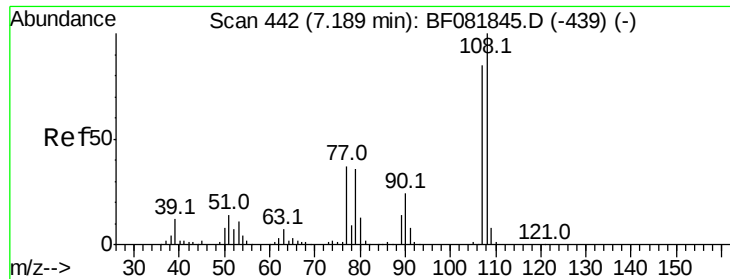
mmdadoda  
10/7/2015 4:51:49 PM



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 39.16 ng  
RT: 7.17 min Scan# 440  
Delta R.T. -0.00 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

Tgt Ion: 45 Resp: 288596  
Ion Ratio Lower Upper  
45 100  
77 15.0 0.0 28.1  
79 12.2 0.0 26.0





#17

2-Methylphenol

Concen: 40.34 ng

RT: 7.14 min Scan# 438

Delta R.T. -0.00 min

Lab File: BF082082.D

Acq: 6 Oct 2015 14:05

Instrument :

BNA\_F

ClientSampleId :

PB85944BS

Tot Ion:107 Resp: 171977  
Ion Ratio Lower Upper

107 100

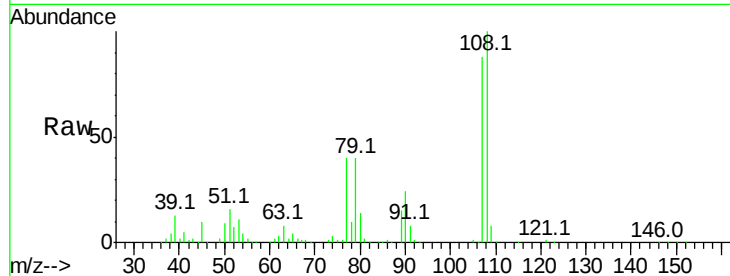
108 113.3 96.6 145.0

77 45.8 23.3 34.9#

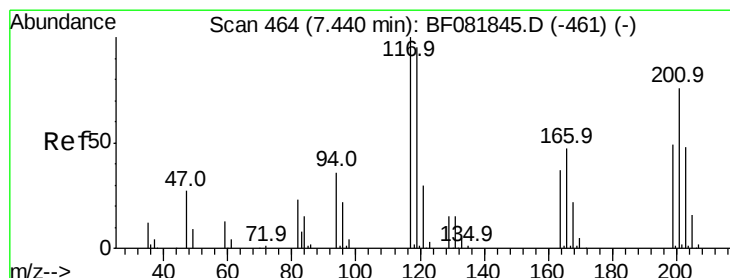
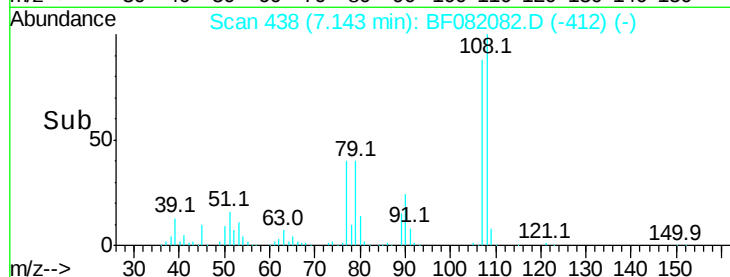
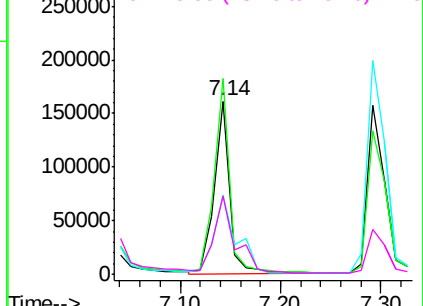
79 44.9 22.0 33.0#

Manual Integrations  
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Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF0  
Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 40.78 ng

RT: 7.39 min Scan# 460

Delta R.T. -0.00 min

Lab File: BF082082.D

Acq: 6 Oct 2015 14:05

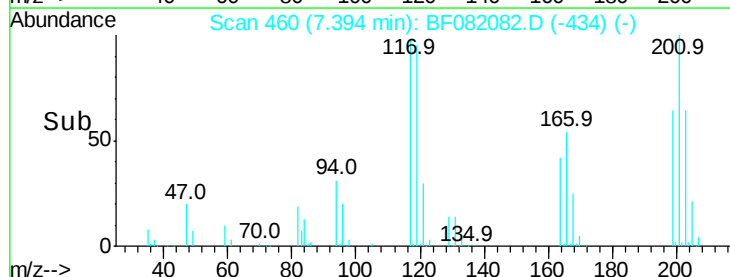
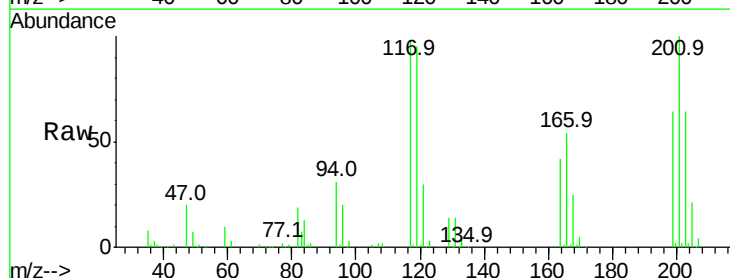
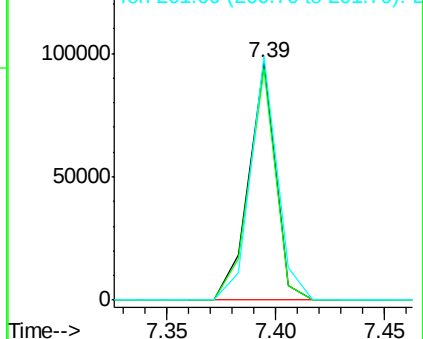
Tgt Ion:117 Resp: 82794  
Ion Ratio Lower Upper

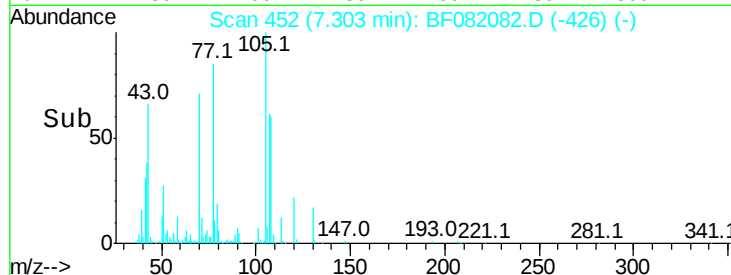
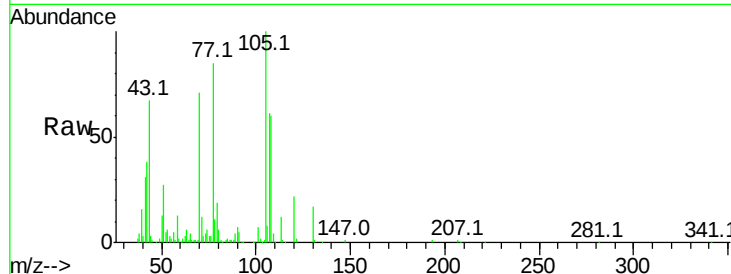
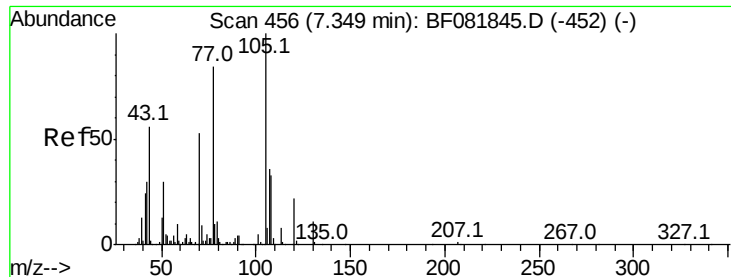
117 100

119 97.1 83.8 125.6

201 102.3 55.1 82.7#

Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E





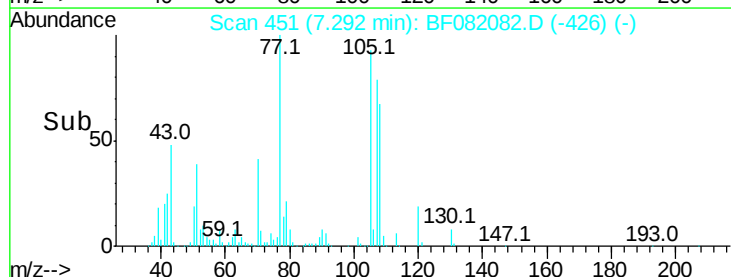
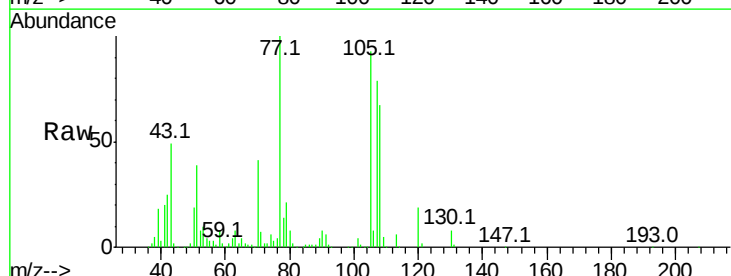
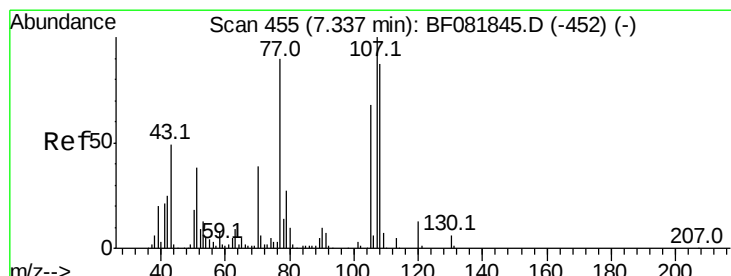
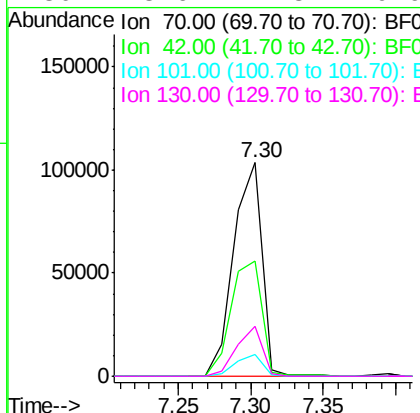
#19  
n-Nitroso-di-n-propylamine  
Concen: 38.69 ng  
RT: 7.30 min Scan# 452  
Delta R.T. -0.00 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

Instrument :  
BNA\_F  
ClientSampleId :  
PB85944BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 54.2  | 63.8  | 95.6# |
| 101     | 10.4  | 9.2   | 13.8  |
| 130     | 23.6  | 27.3  | 40.9# |

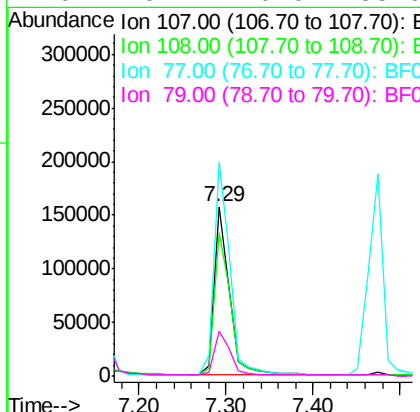
Manual Integrations  
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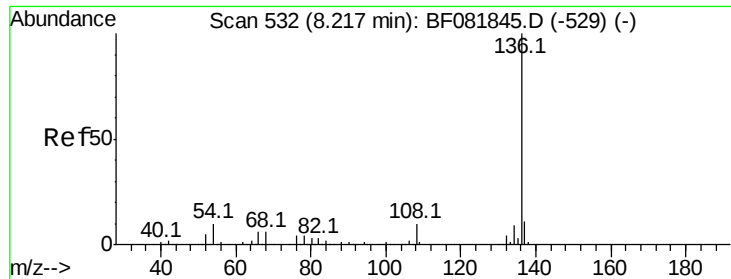
mmdadoda  
10/7/2015 4:51:49 PM



#20  
3+4-Methylphenols  
Concen: 36.40 ng  
RT: 7.29 min Scan# 451  
Delta R.T. -0.01 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 84.7  | 74.6  | 114.6 |
| 77      | 126.2 | 0.7   | 40.7# |
| 79      | 26.7  | 0.0   | 38.9  |





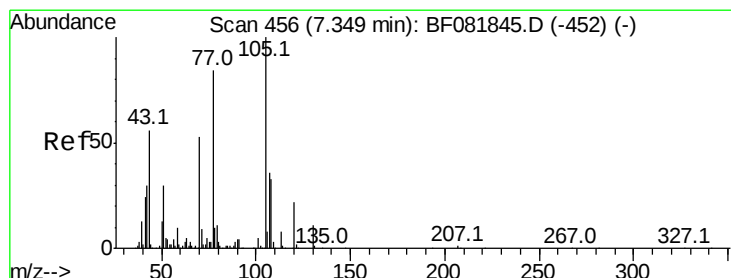
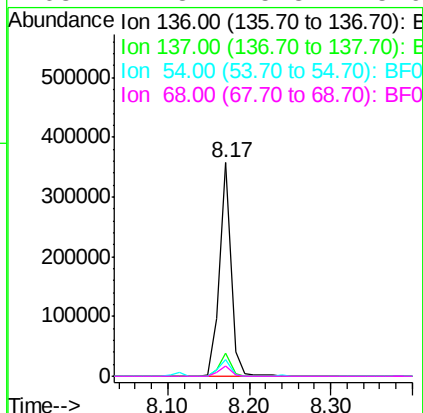
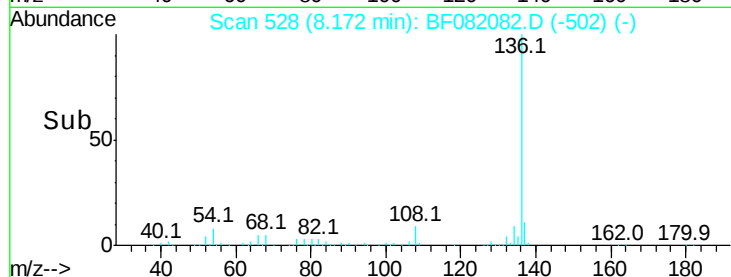
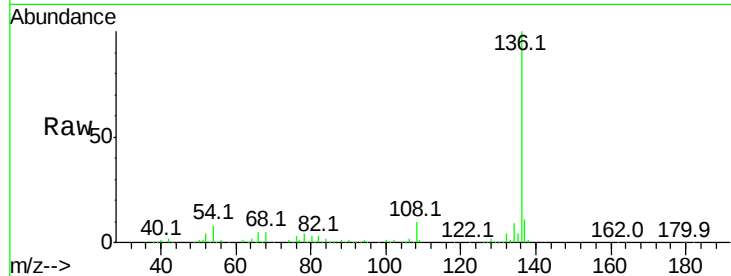
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.17 min Scan# 528  
Delta R.T. -0.00 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

Instrument :  
BNA\_F  
ClientSampleId :  
PB85944BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 10.8  | 9.0  | 13.6  |       |
| 54      | 7.6   | 8.2  | 12.2# |       |
| 68      | 4.8   | 5.8  | 8.6#  |       |

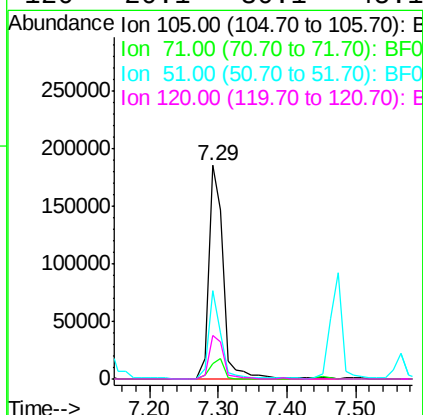
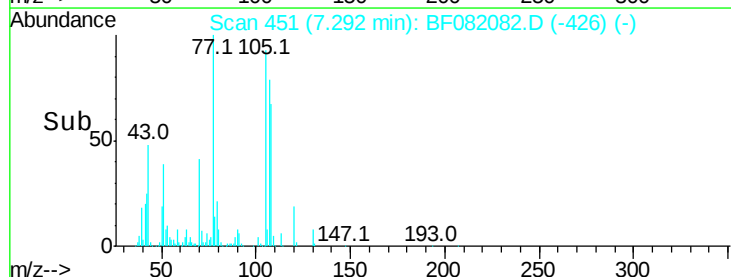
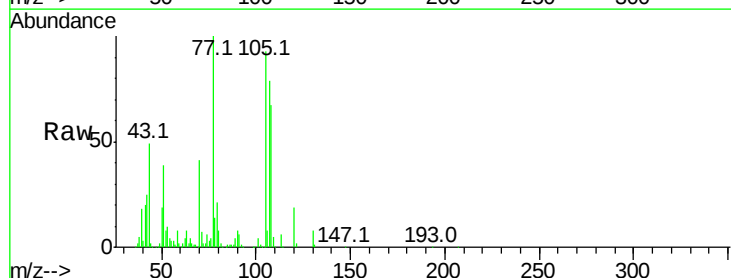
Manual Integrations  
APPROVED

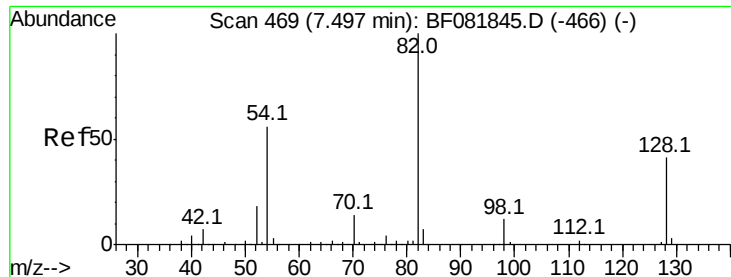
mmdadoda  
10/7/2015 4:51:49 PM



#22  
Acetophenone  
Concen: 38.06 ng  
RT: 7.29 min Scan# 451  
Delta R.T. -0.01 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 105     | 100   |      |       |       |
| 71      | 7.4   | 4.7  | 7.1#  |       |
| 51      | 41.5  | 22.0 | 33.0# |       |
| 120     | 20.1  | 30.1 | 45.1# |       |





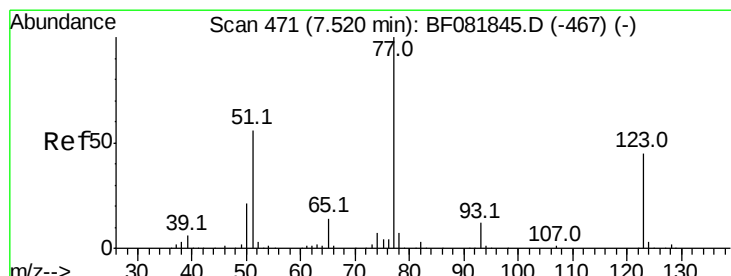
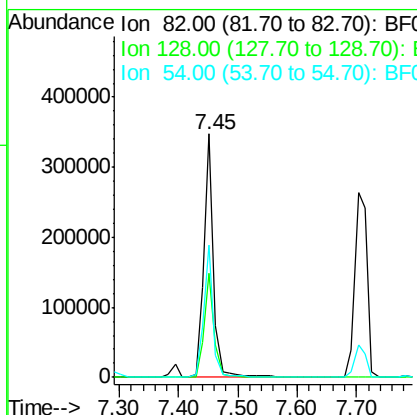
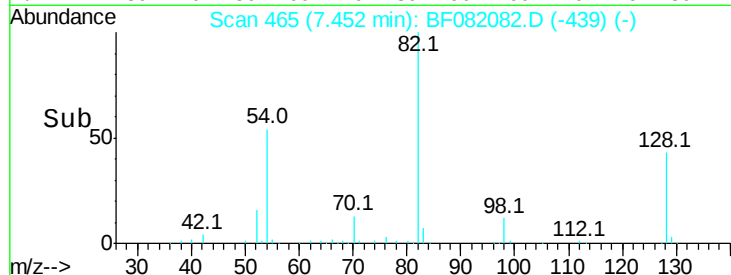
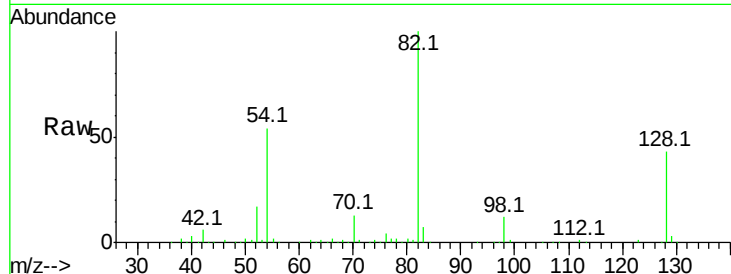
#23  
 Nitrobenzene-d5  
 Concen: 77.30 ng  
 RT: 7.45 min Scan# 465  
 Delta R.T. -0.00 min  
 Lab File: BF082082.D  
 Acq: 6 Oct 2015 14:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85944BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 405651 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 42.8  | 51.0  | 76.6#  |
| 54        | 54.3  | 47.5  | 71.3   |

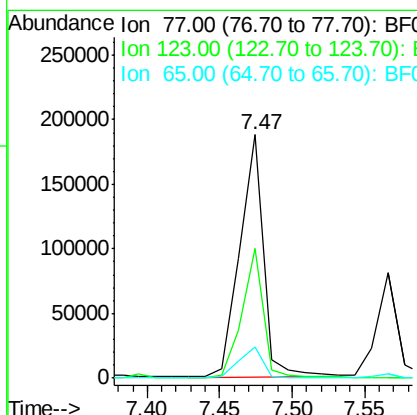
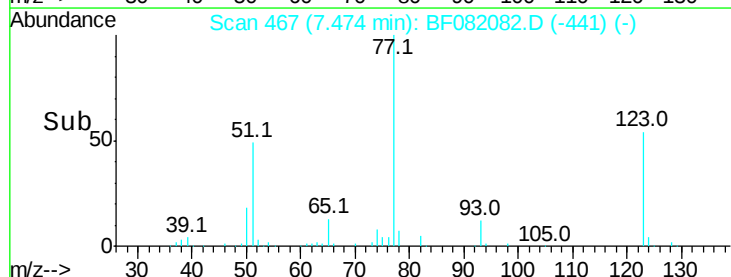
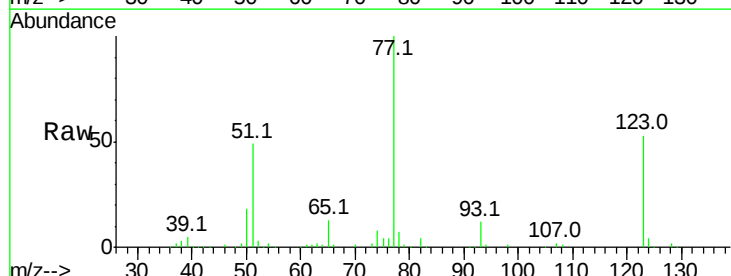
Manual Integrations  
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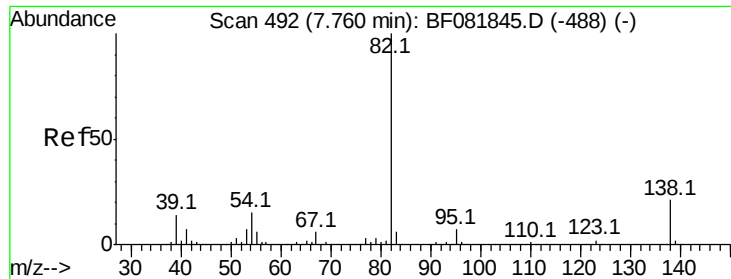
mmdadoda  
 10/7/2015 4:51:49 PM



#24  
 Nitrobenzene  
 Concen: 37.44 ng  
 RT: 7.47 min Scan# 467  
 Delta R.T. -0.00 min  
 Lab File: BF082082.D  
 Acq: 6 Oct 2015 14:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 77    | Resp: | 213350 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 123       | 53.1  | 59.8  | 89.8#  |
| 65        | 12.7  | 10.2  | 15.4   |





#25

Isophorone

Concen: 36.46 ng

RT: 7.70 min Scan# 487

Delta R.T. -0.01 min

Lab File: BF082082.D

Acq: 6 Oct 2015 14:05

Instrument :

BNA\_F

ClientSampleId :

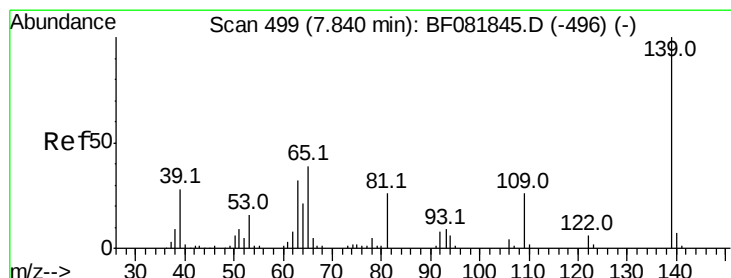
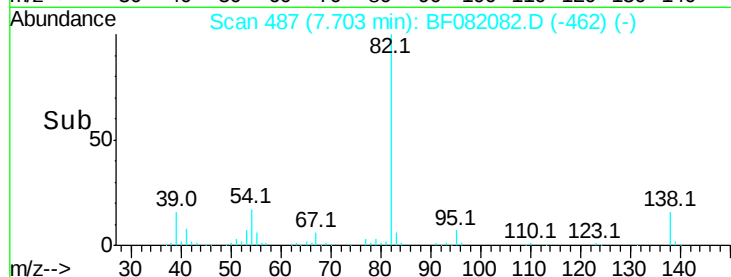
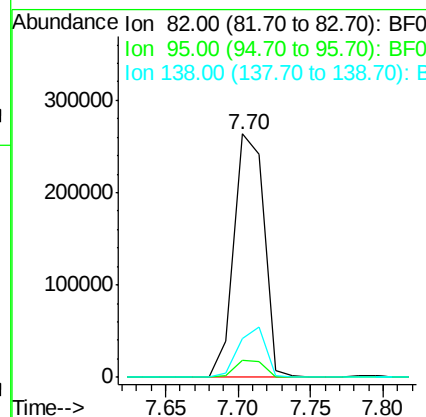
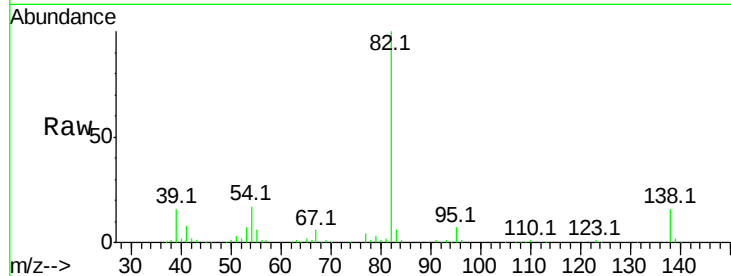
PB85944BS

Tot Ion: 82 Resp: 379254  
Ion Ratio Lower Upper

|     |      |      |       |
|-----|------|------|-------|
| 82  | 100  |      |       |
| 95  | 6.8  | 4.0  | 6.0#  |
| 138 | 16.1 | 18.3 | 27.5# |

Manual Integrations  
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#26

2-Nitrophenol

Concen: 39.35 ng

RT: 7.78 min Scan# 494

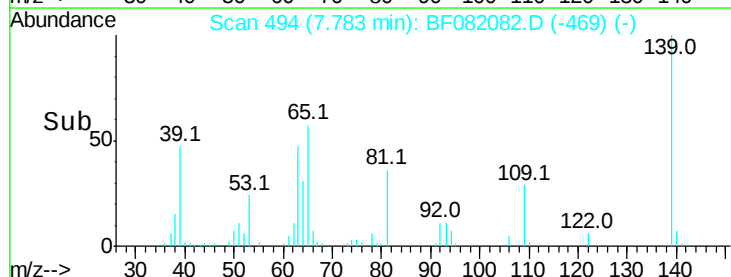
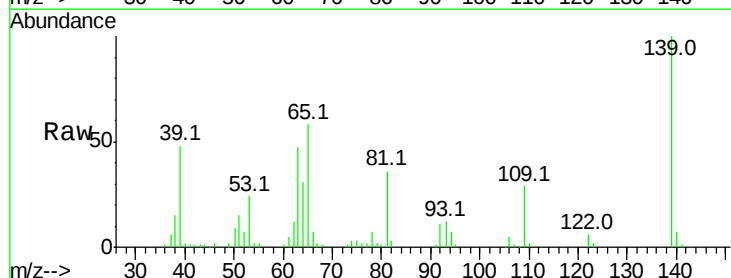
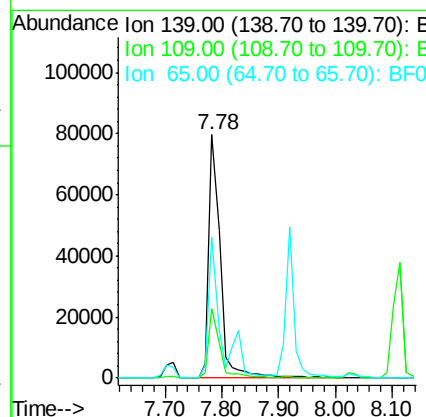
Delta R.T. -0.01 min

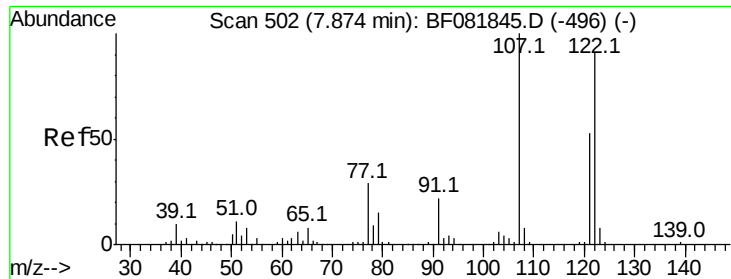
Lab File: BF082082.D

Acq: 6 Oct 2015 14:05

Tgt Ion: 139 Resp: 107636  
Ion Ratio Lower Upper

|     |      |      |       |
|-----|------|------|-------|
| 139 | 100  |      |       |
| 109 | 28.6 | 11.0 | 16.4# |
| 65  | 58.1 | 24.7 | 37.1# |





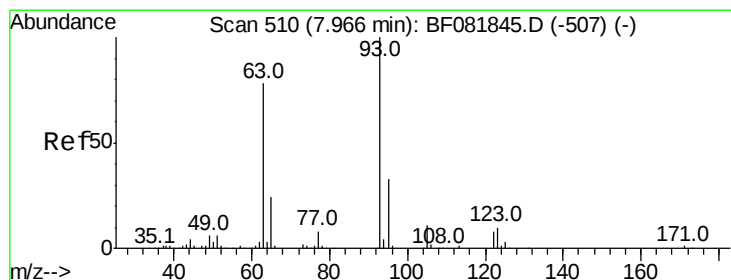
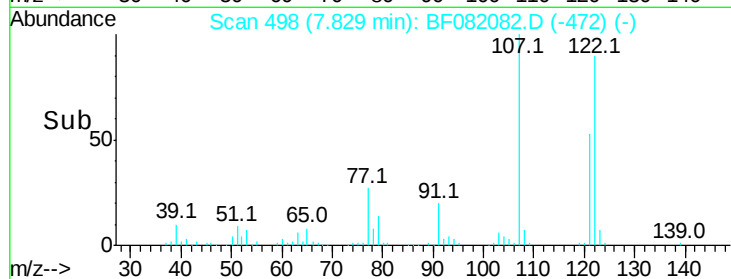
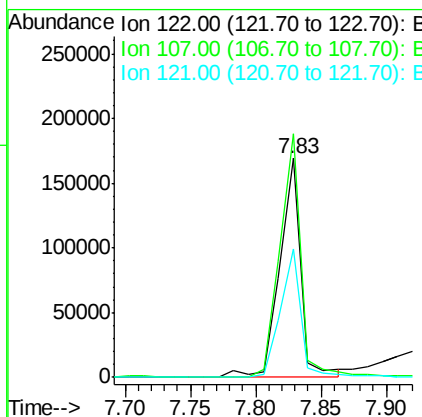
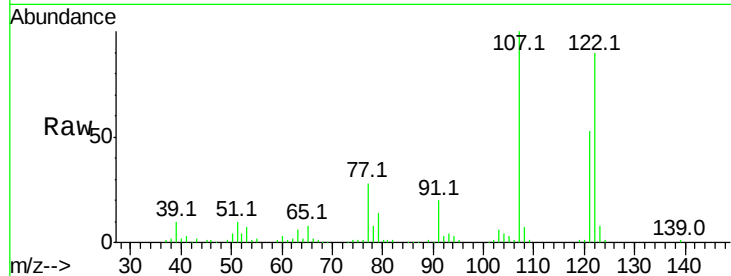
#27  
2,4-Dimethylphenol  
Concen: 40.22 ng  
RT: 7.83 min Scan# 498  
Delta R.T. -0.00 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

Instrument :  
BNA\_F  
ClientSampled :  
PB85944BS

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 107     | 111.1 | 71.8  | 107.6# |
| 121     | 58.3  | 42.3  | 63.5   |

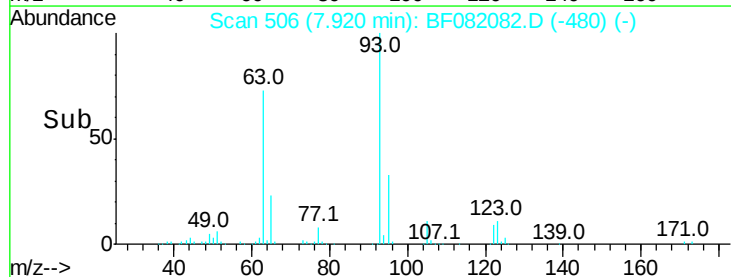
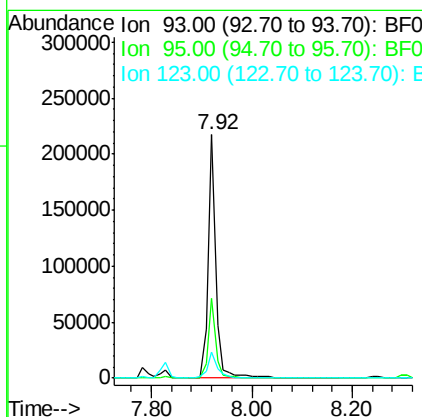
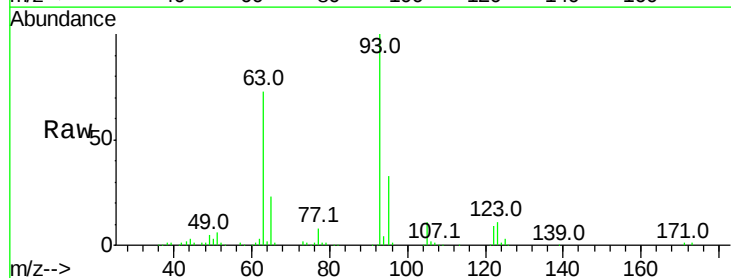
Manual Integrations  
APPROVED

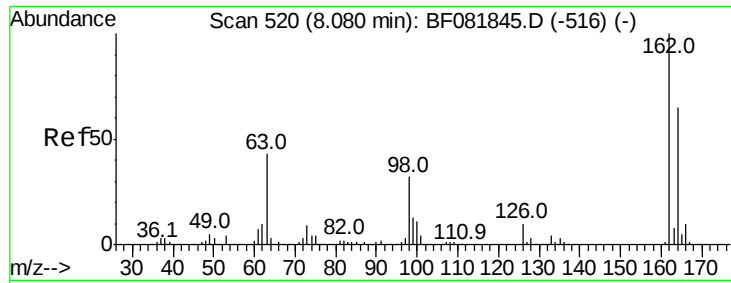
mmdadoda  
10/7/2015 4:51:49 PM



#28  
bis(2-Chloroethoxy)methane  
Concen: 37.23 ng  
RT: 7.92 min Scan# 506  
Delta R.T. -0.00 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.8  | 27.5  | 41.3  |
| 123     | 10.9  | 13.7  | 20.5# |





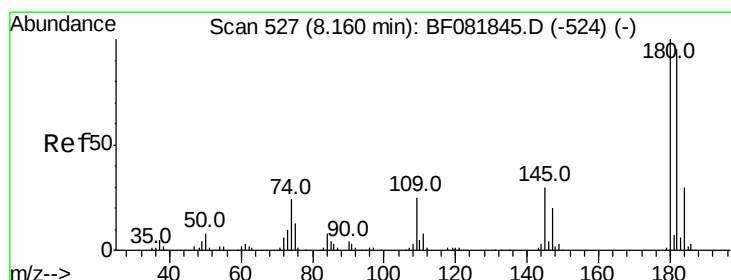
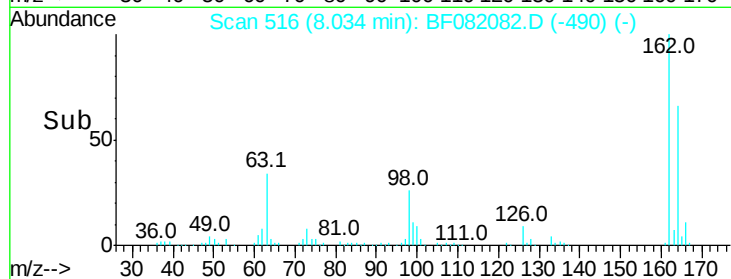
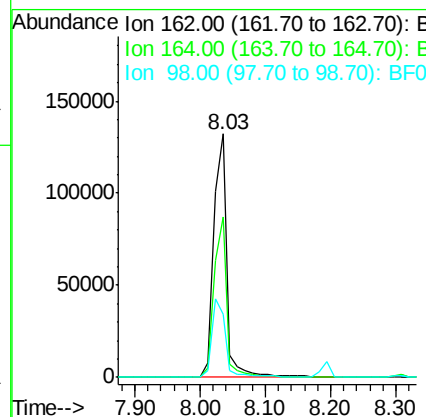
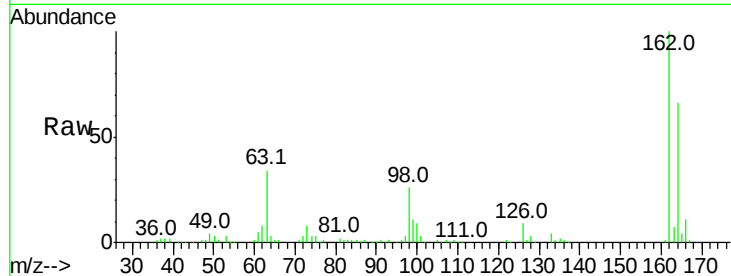
#29  
 2,4-Dichlorophenol  
 Concen: 40.21 ng  
 RT: 8.03 min Scan# 516  
 Delta R.T. -0.00 min  
 Lab File: BF082082.D  
 Acq: 6 Oct 2015 14:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85944BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 187626 |       |       |
| 164     | 65.8  | 44.9   | 84.9  |       |
| 98      | 25.7  | 13.0   | 53.0  |       |

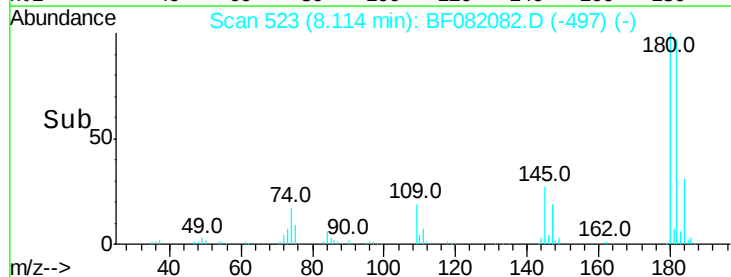
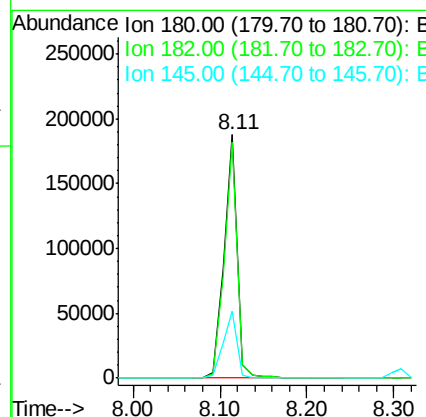
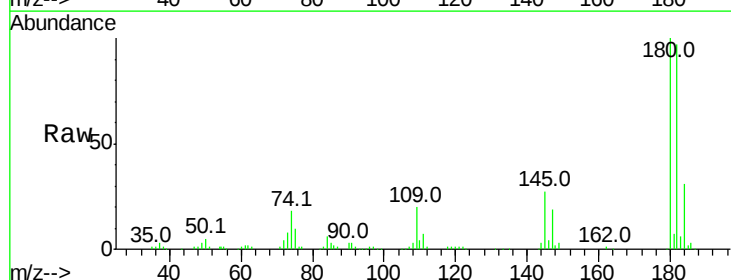
Manual Integrations  
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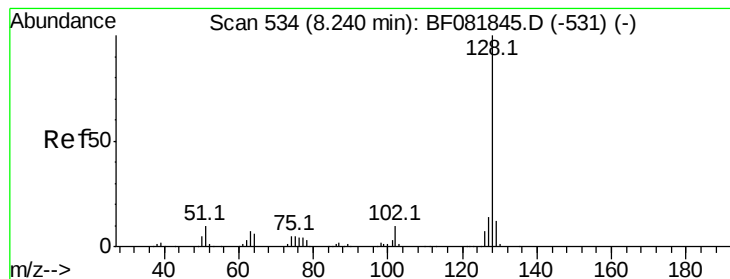
mmdadoda  
 10/7/2015 4:51:49 PM



#30  
 1,2,4-Trichlorobenzene  
 Concen: 38.65 ng  
 RT: 8.11 min Scan# 523  
 Delta R.T. -0.00 min  
 Lab File: BF082082.D  
 Acq: 6 Oct 2015 14:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 201321 |       |       |
| 182     | 96.8  | 77.1   | 115.7 |       |
| 145     | 27.5  | 23.3   | 34.9  |       |





#31

Naphthalene

Concen: 38.56 ng

RT: 8.19 min Scan# 530

Delta R.T. -0.00 min

Lab File: BF082082.D

Acq: 6 Oct 2015 14:05

Instrument :

BNA\_F

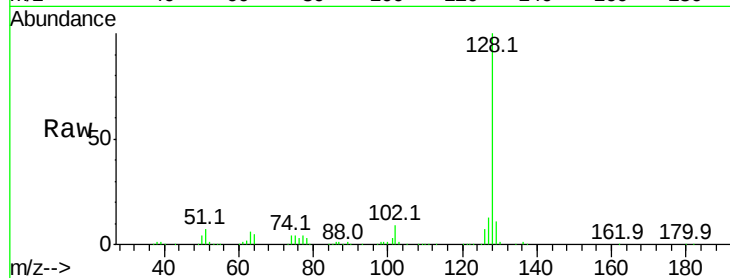
ClientSampleId :

PB85944BS

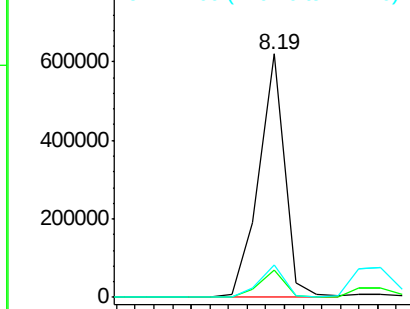
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 597617 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 129       | 11.3  | 8.4   | 12.6   |
| 127       | 13.4  | 9.9   | 14.9   |

Manual Integrations  
APPROVED

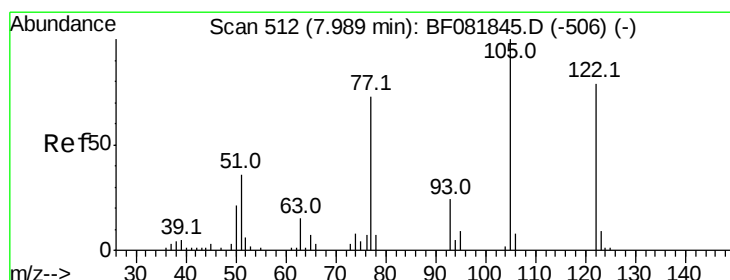
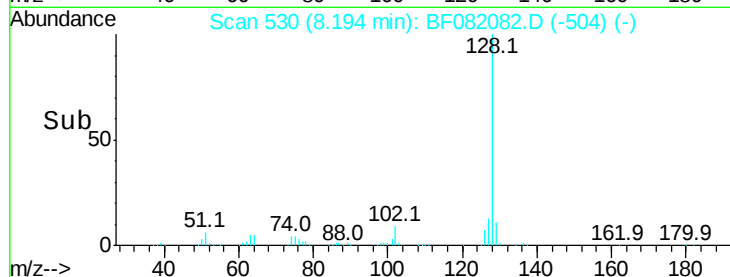
mmdadoda  
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Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E



Time-->



#32

Benzoic acid

Concen: 37.20 ng

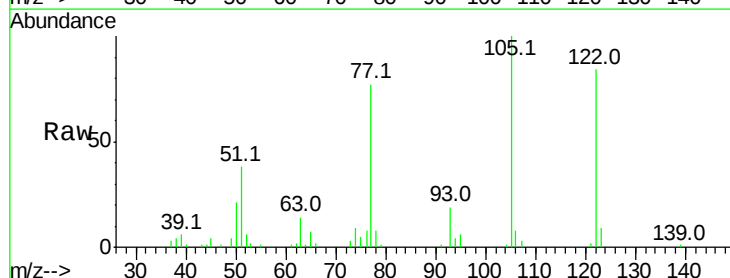
RT: 7.94 min Scan# 508

Delta R.T. -0.00 min

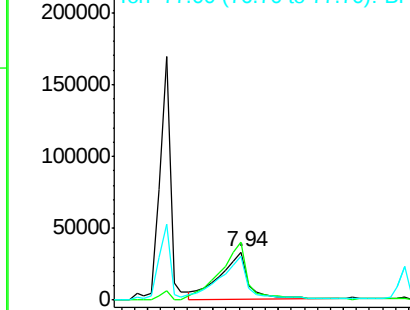
Lab File: BF082082.D

Acq: 6 Oct 2015 14:05

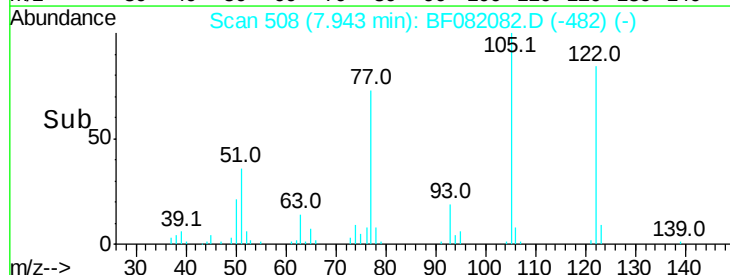
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 122   | Resp: | 101446 |
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 105       | 118.6 | 76.1  | 116.1# |
| 77        | 91.1  | 40.5  | 80.5#  |

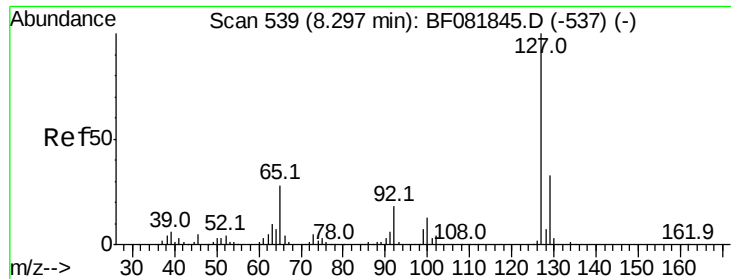


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF0



Time-->





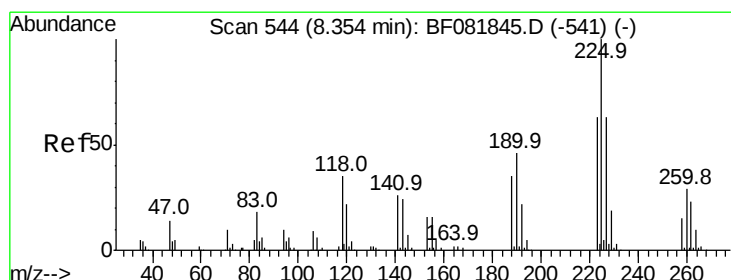
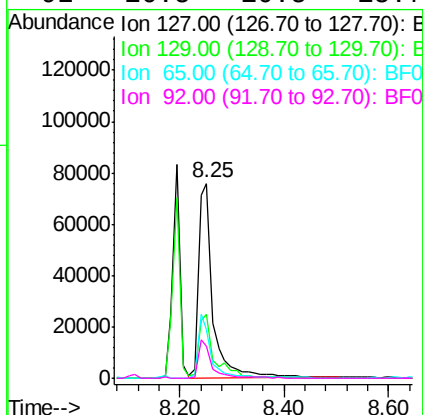
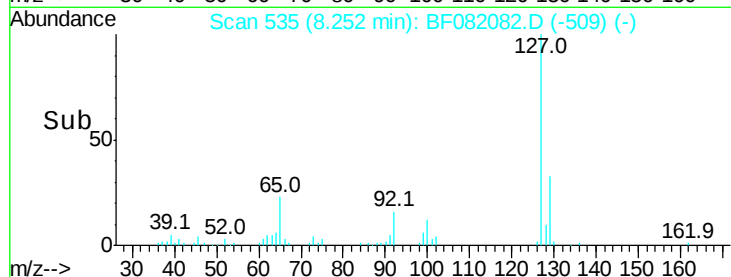
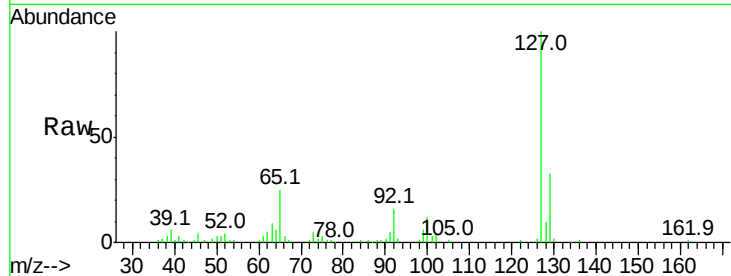
#33  
4-Chloroaniline  
Concen: 21.65 ng  
RT: 8.25 min Scan# 535  
Delta R.T. -0.00 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

Instrument :  
BNA\_F  
ClientSampleId :  
PB85944BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 127     | 100   |      |       |       |
| 129     | 32.8  | 25.8 | 38.6  |       |
| 65      | 24.7  | 17.9 | 26.9  |       |
| 92      | 16.5  | 10.5 | 15.7  |       |

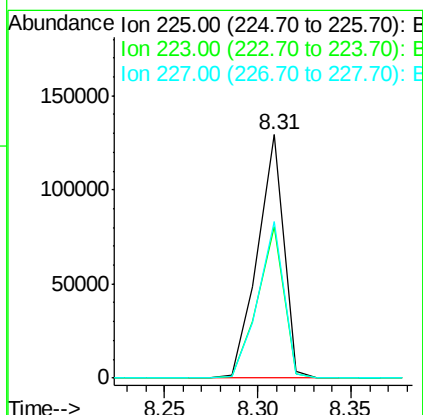
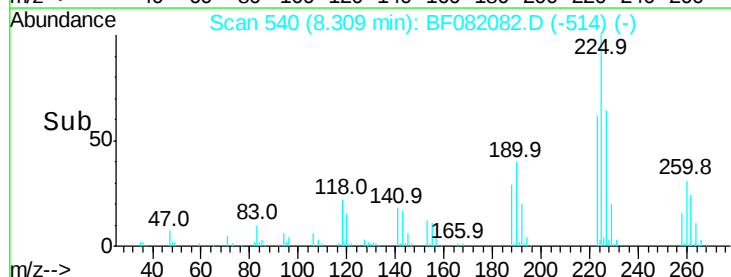
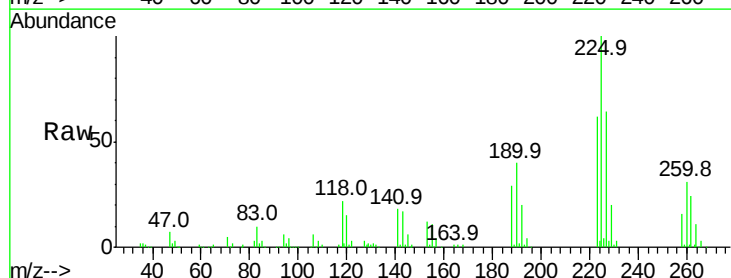
Manual Integrations  
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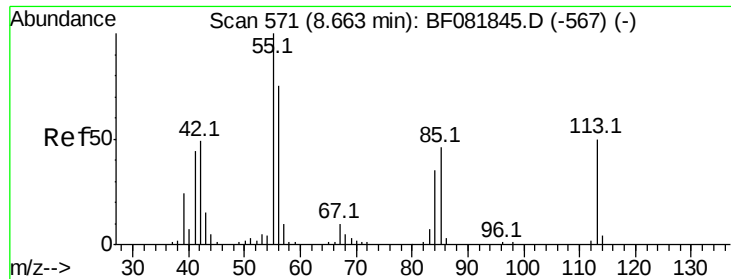
mmdadoda  
10/7/2015 4:51:49 PM



#34  
Hexachlorobutadiene  
Concen: 40.70 ng  
RT: 8.31 min Scan# 540  
Delta R.T. -0.00 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 62.1  | 50.2 | 75.2  |       |
| 227     | 64.1  | 52.2 | 78.2  |       |





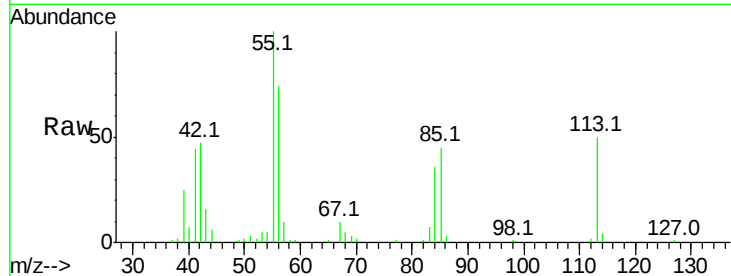
#35  
Caprolactam  
Concen: 43.59 ng/ml  
RT: 8.61 min Scan# 566  
Delta R.T. -0.02 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

Instrument :  
BNA\_F  
ClientSampled :  
PB85944BS

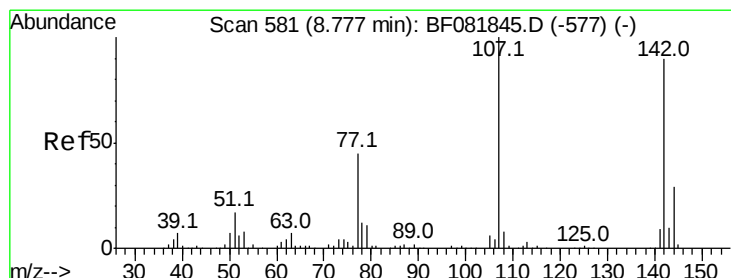
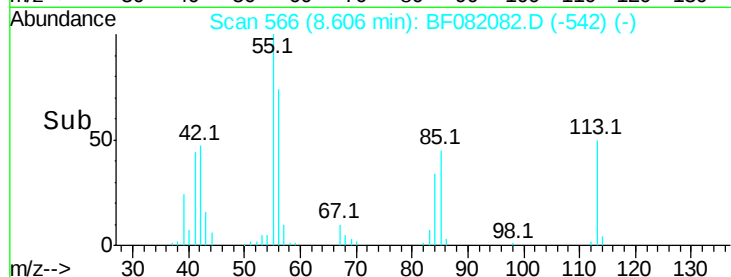
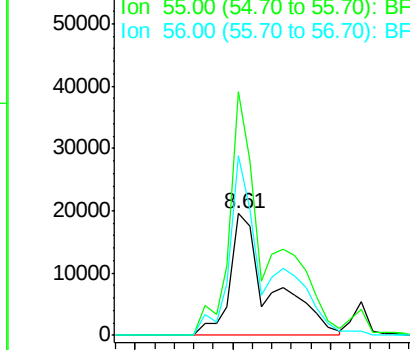
Tot Ion:113 Resp: 56299  
Ion Ratio Lower Upper  
113 100  
55 200.0 152.4 192.4#  
56 147.6 104.6 144.6#

Manual Integrations  
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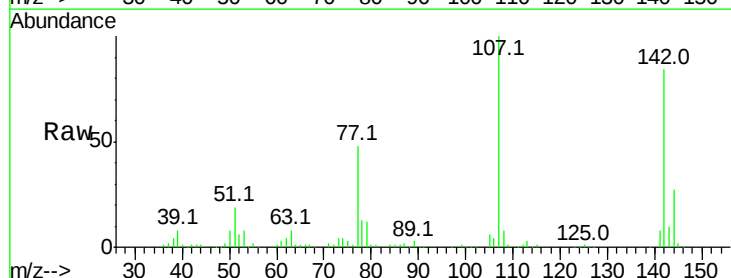


Abundance Ion 113.00 (112.70 to 113.70): E  
Ion 55.00 (54.70 to 55.70): BF0  
Ion 56.00 (55.70 to 56.70): BF0

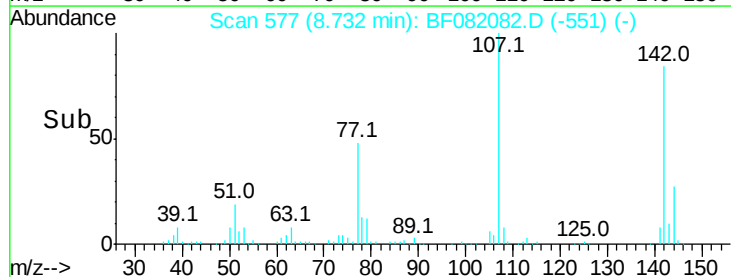
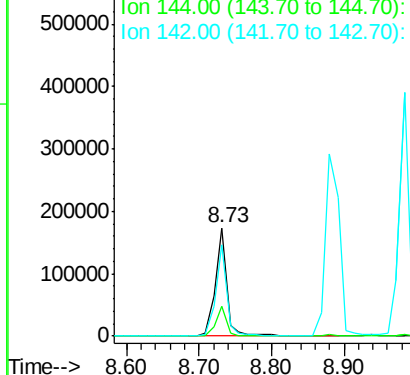


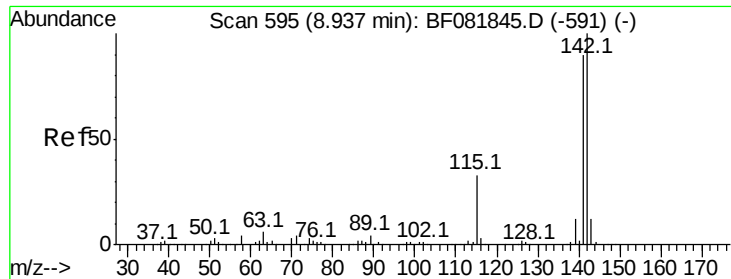
#36  
4-Chloro-3-methylphenol  
Concen: 42.62 ng/ml  
RT: 8.73 min Scan# 577  
Delta R.T. -0.00 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

Tgt Ion:107 Resp: 194432  
Ion Ratio Lower Upper  
107 100  
144 27.1 25.4 38.0  
142 83.9 77.3 115.9



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





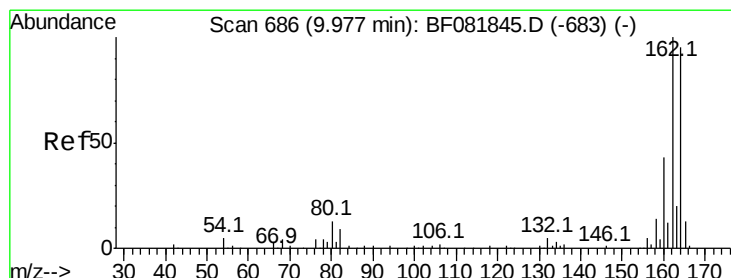
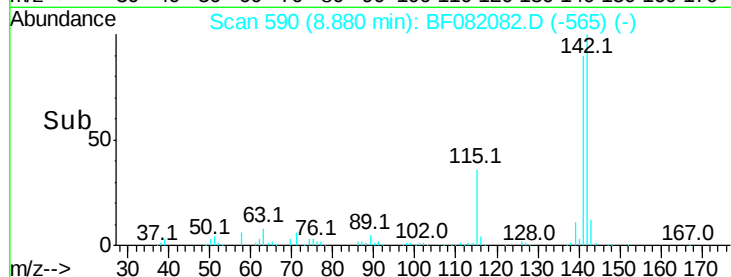
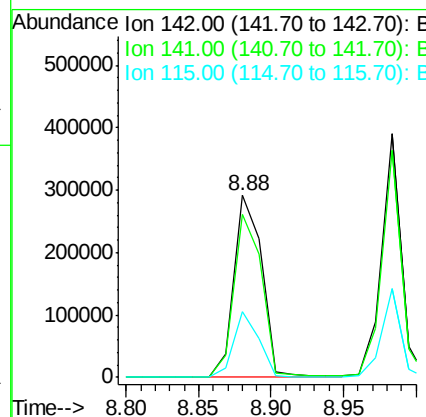
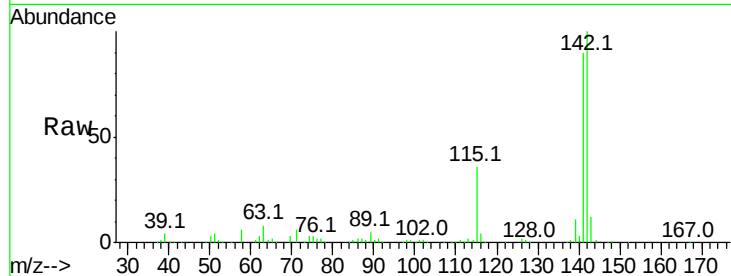
#37  
2-Methylnaphthalene  
Concen: 37.01 ng  
RT: 8.88 min Scan# 590  
Delta R.T. -0.01 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

Instrument :  
BNA\_F  
ClientSampleId :  
PB85944BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 142     | 100   |      |       |       |
| 141     | 90.0  | 67.5 | 101.3 |       |
| 115     | 36.4  | 18.2 | 27.2  |       |

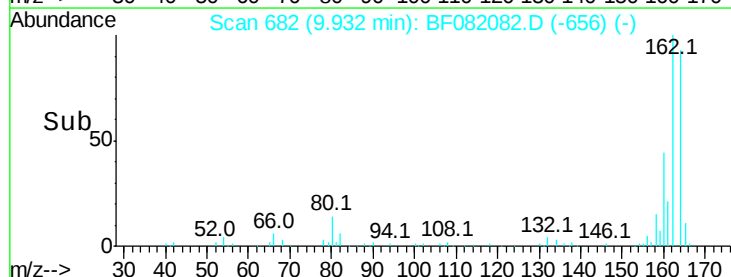
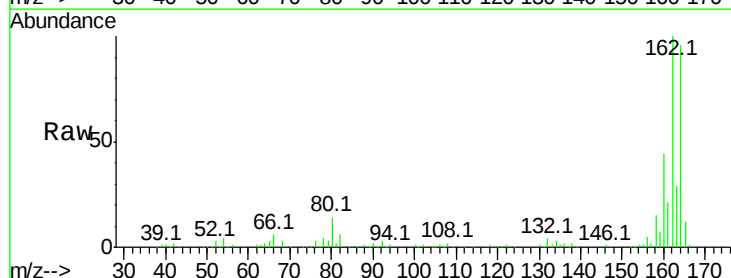
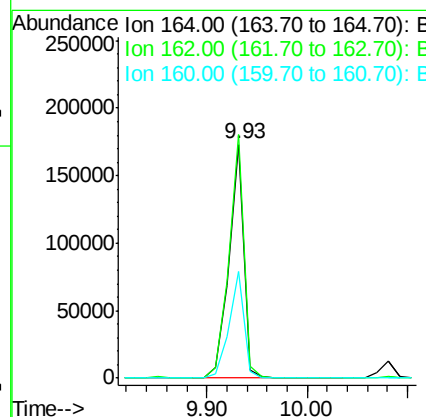
Manual Integrations  
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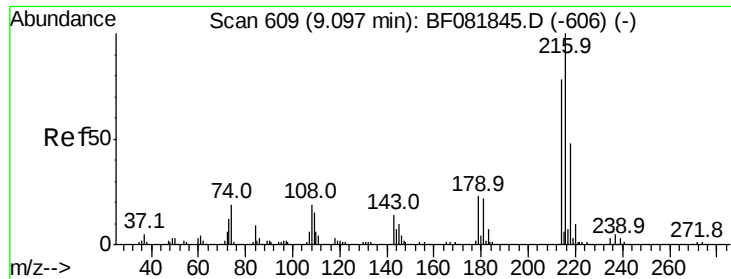
mmdadoda  
10/7/2015 4:51:49 PM



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.93 min Scan# 682  
Delta R.T. -0.00 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 162     | 104.1 | 75.2 | 112.8 |       |
| 160     | 45.4  | 31.5 | 47.3  |       |





#39

1,2,4,5-Tetrachlorobenzene

Concen: 38.33 ng

RT: 9.05 min Scan# 605

Delta R.T. -0.00 min

Lab File: BF082082.D

Acq: 6 Oct 2015 14:05

Instrument :

BNA\_F

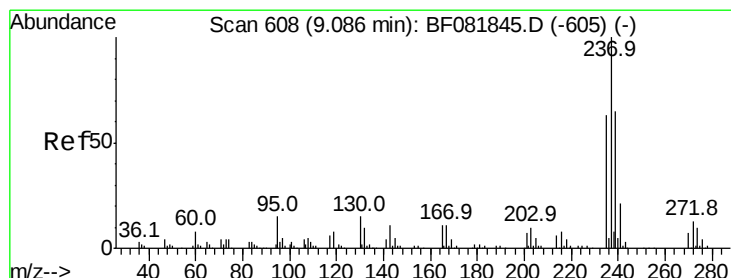
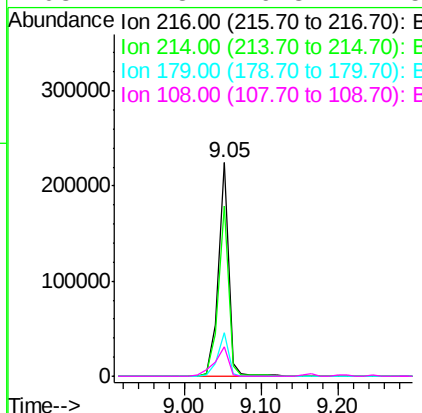
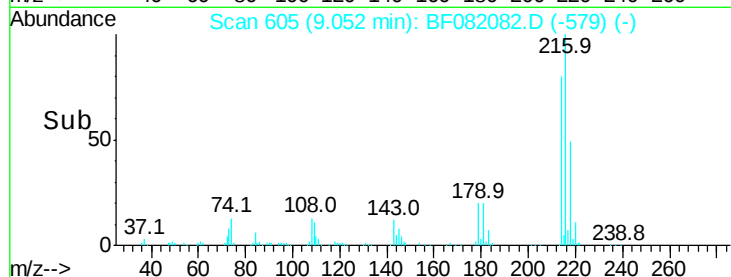
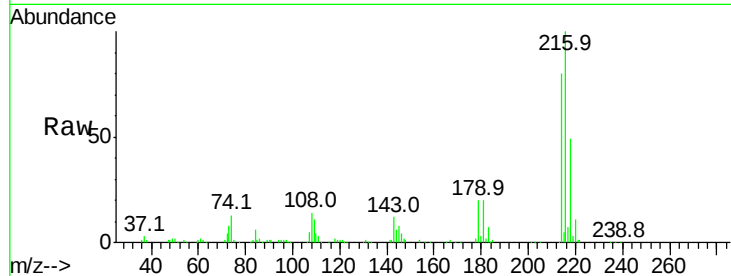
ClientSampleId :

PB85944BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 216     | 100   | 208675 |       |       |
| 214     | 80.0  | 63.5   | 95.3  |       |
| 179     | 20.8  | 16.6   | 24.8  |       |
| 108     | 17.8  | 16.3   | 24.5  |       |

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#40

Hexachlorocyclopentadiene

Concen: 74.70 ng

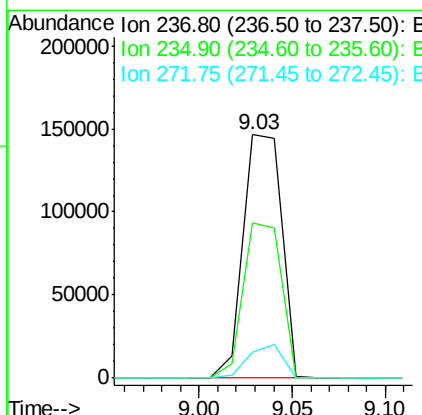
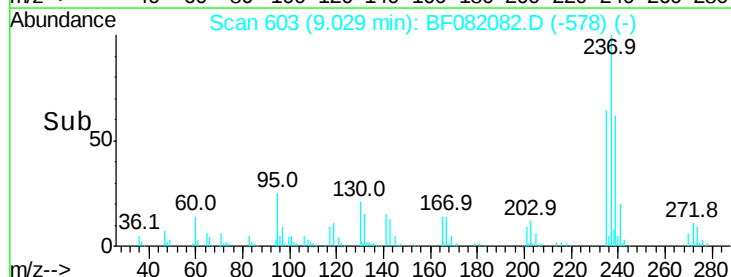
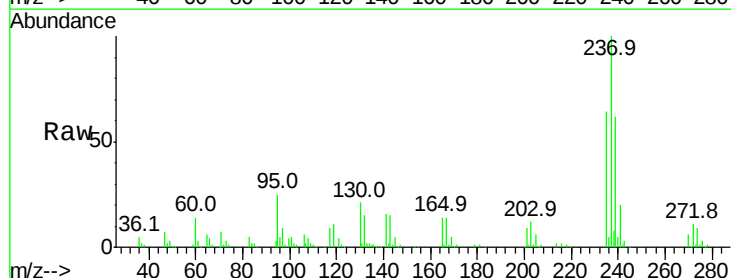
RT: 9.03 min Scan# 603

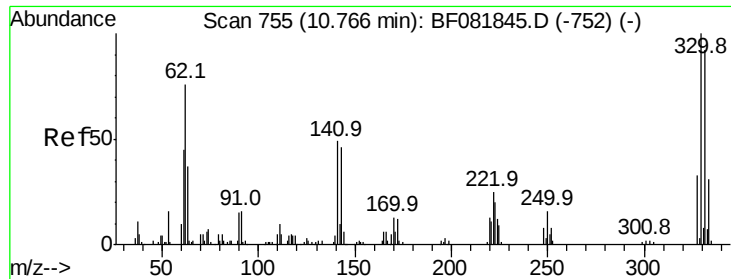
Delta R.T. -0.01 min

Lab File: BF082082.D

Acq: 6 Oct 2015 14:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 237     | 100   | 209461 |       |       |
| 235     | 63.9  | 42.0   | 82.0  |       |
| 272     | 10.8  | 0.0    | 36.1  |       |





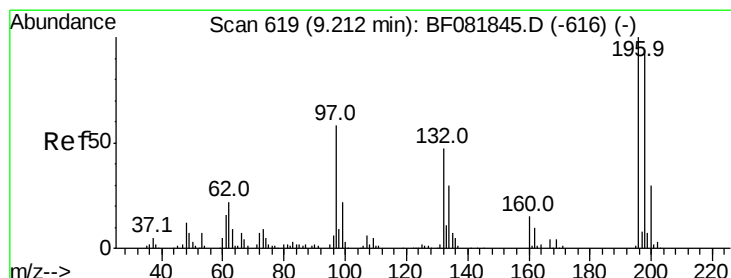
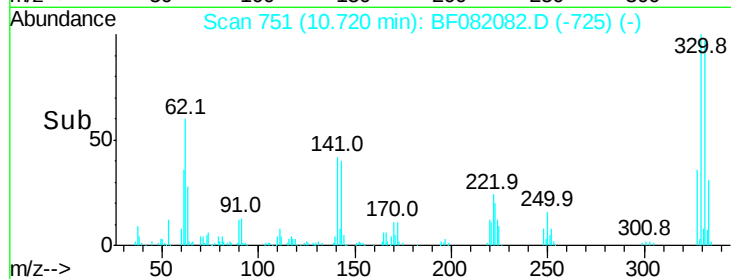
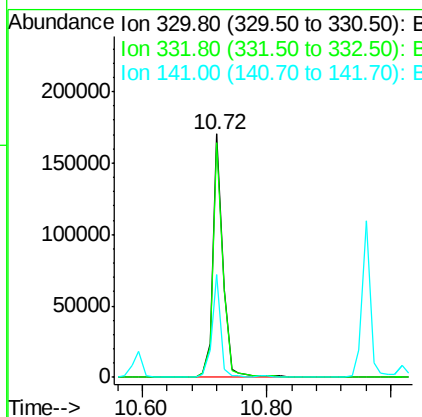
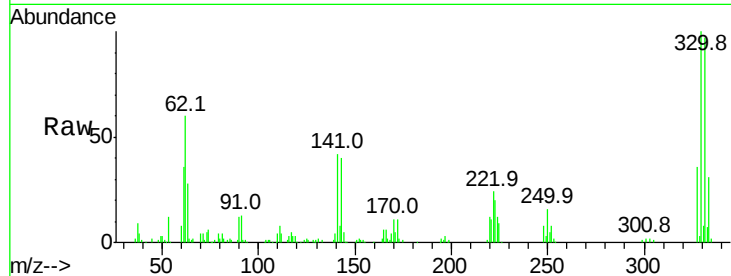
#41  
 2,4,6-Tribromophenol  
 Concen: 105.49 ng  
 RT: 10.72 min Scan# 751  
 Delta R.T. -0.00 min  
 Lab File: BF082082.D  
 Acq: 6 Oct 2015 14:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85944BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 189468 |       |       |
| 332     | 96.5  | 76.6   | 114.8 |       |
| 141     | 37.2  | 29.7   | 44.5  |       |

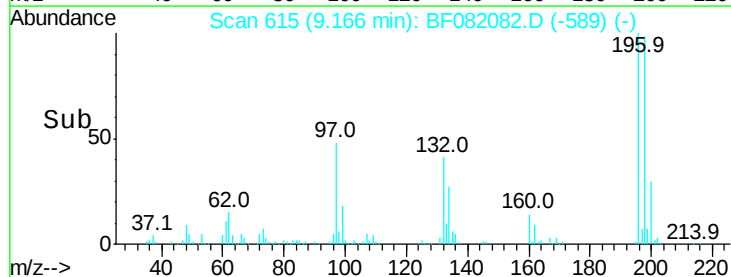
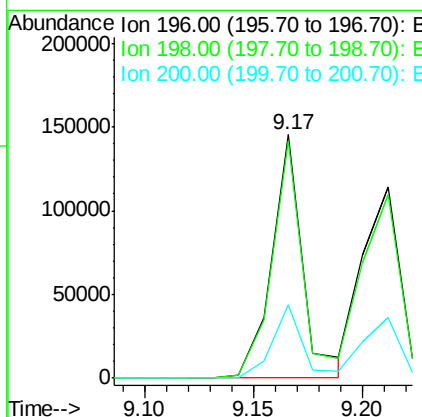
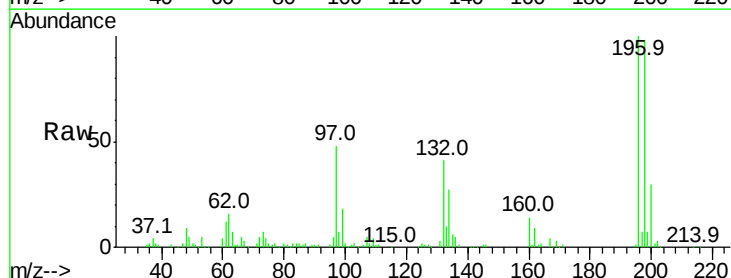
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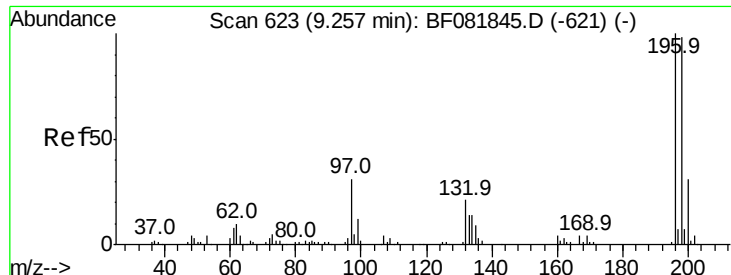
mmdadoda  
 10/7/2015 4:51:49 PM



#42  
 2,4,6-Trichlorophenol  
 Concen: 38.62 ng  
 RT: 9.17 min Scan# 615  
 Delta R.T. -0.00 min  
 Lab File: BF082082.D  
 Acq: 6 Oct 2015 14:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 144147 |       |       |
| 198     | 97.6  | 75.7   | 113.5 |       |
| 200     | 30.3  | 23.9   | 35.9  |       |





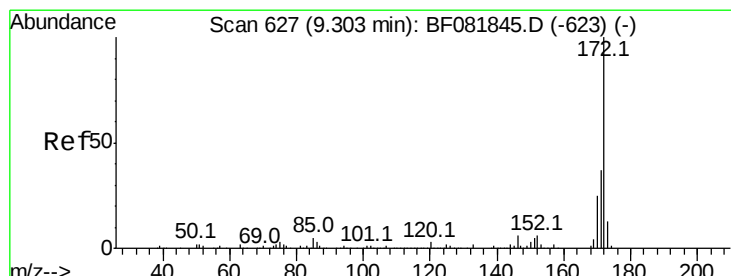
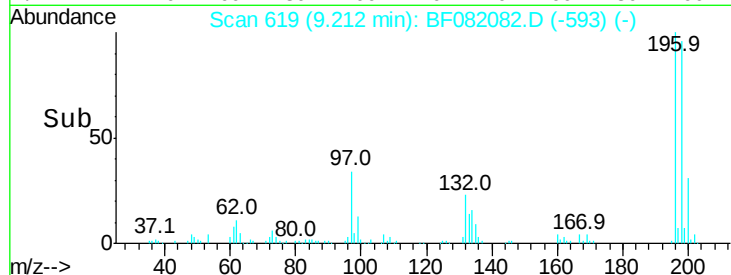
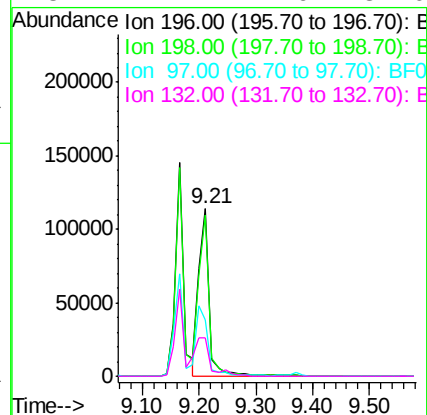
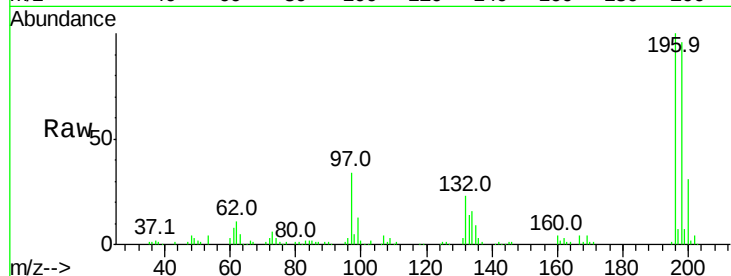
#43  
 2,4,5-Trichlorophenol  
 Concen: 39.53 ng  
 RT: 9.21 min Scan# 619  
 Delta R.T. -0.00 min  
 Lab File: BF082082.D  
 Acq: 6 Oct 2015 14:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85944BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 151753 |       |       |
| 198     | 96.3  | 75.4   | 113.0 |       |
| 97      | 33.5  | 33.3   | 49.9  |       |
| 132     | 22.7  | 24.6   | 37.0# |       |

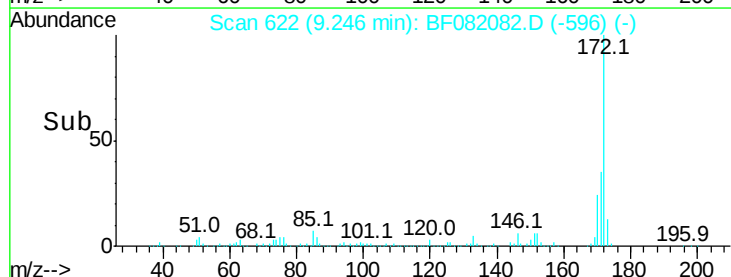
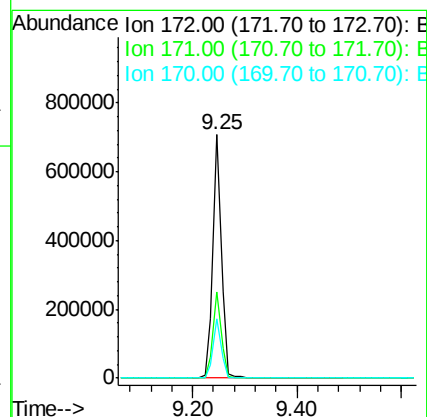
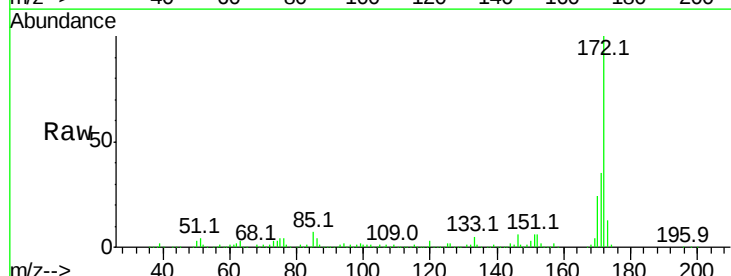
Manual Integrations  
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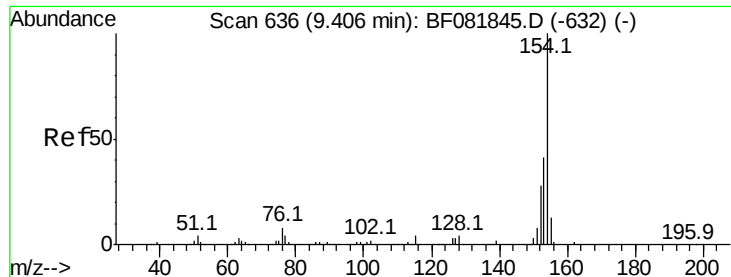
mmdadoda  
 10/7/2015 4:51:49 PM



#44  
 2-Fluorobiphenyl  
 Concen: 74.04 ng  
 RT: 9.25 min Scan# 622  
 Delta R.T. -0.00 min  
 Lab File: BF082082.D  
 Acq: 6 Oct 2015 14:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 804646 |       |       |
| 171     | 35.5  | 26.1   | 39.1  |       |
| 170     | 24.2  | 17.4   | 26.2  |       |





#45

1,1'-Biphenyl

Concen: 37.73 ng

RT: 9.35 min Scan# 631

Delta R.T. -0.00 min

Lab File: BF082082.D

Acq: 6 Oct 2015 14:05

Instrument :

BNA\_F

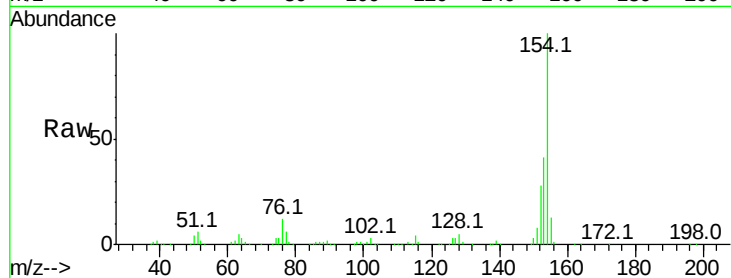
ClientSampleId :

PB85944BS

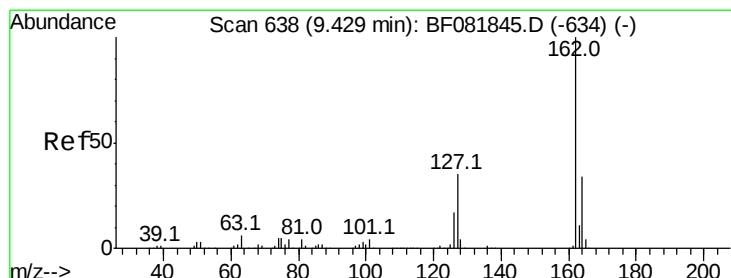
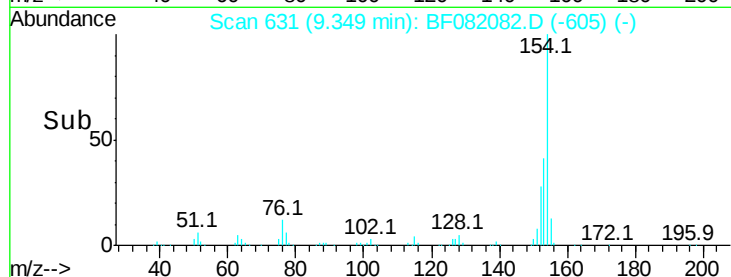
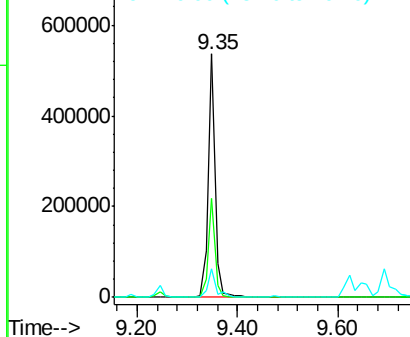
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 516261 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 40.8  | 17.1  | 57.1   |
| 76        | 11.9  | 0.0   | 31.6   |

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Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 36.58 ng

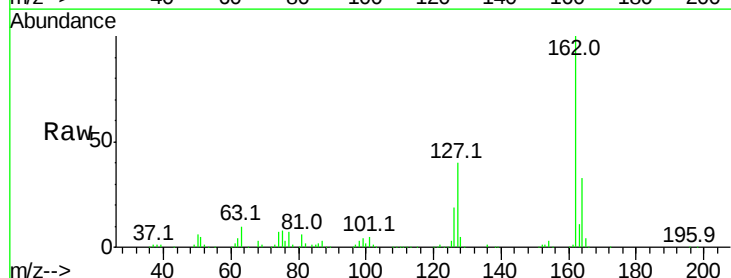
RT: 9.37 min Scan# 633

Delta R.T. -0.01 min

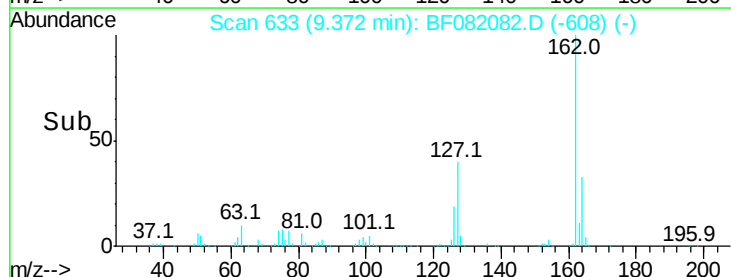
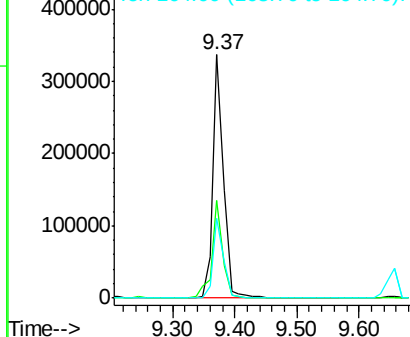
Lab File: BF082082.D

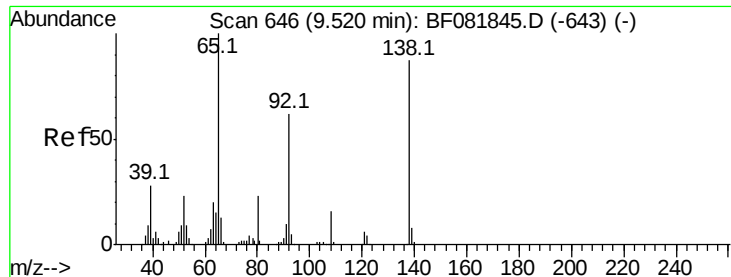
Acq: 6 Oct 2015 14:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 393007 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 40.4  | 27.6  | 41.4   |
| 164       | 33.0  | 25.4  | 38.2   |



Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 127.00 (126.70 to 127.70): E  
Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 38.17 ng

RT: 9.47 min Scan# 642

Delta R.T. -0.00 min

Lab File: BF082082.D

Acq: 6 Oct 2015 14:05

Instrument :

BNA\_F

ClientSampleId :

PB85944BS

Tot Ion: 65 Resp: 120389

Ion Ratio Lower Upper

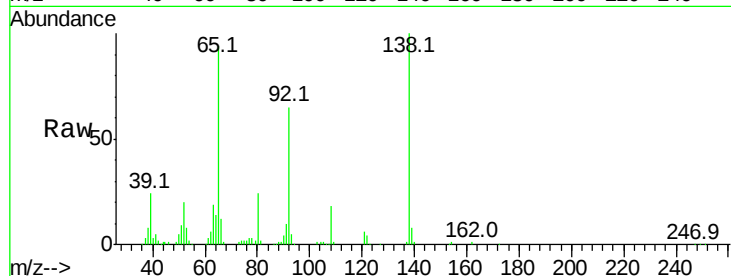
65 100

92 68.8 55.4 83.0

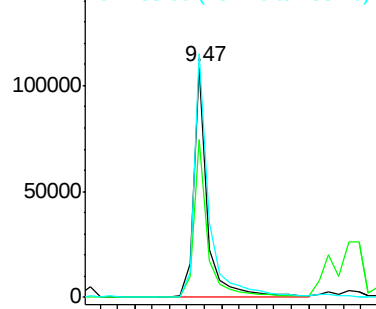
138 106.0 115.5 173.3#

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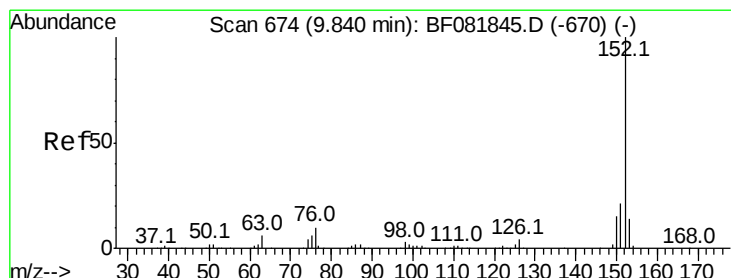
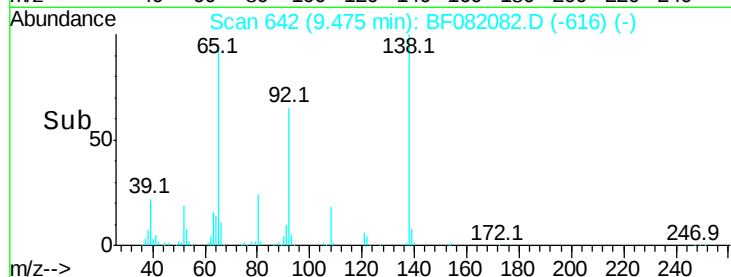
mmdadoda  
10/7/2015 4:51:49 PM



Abundance Ion 65.00 (64.70 to 65.70): BF0  
Ion 92.00 (91.70 to 92.70): BF0  
Ion 138.00 (137.70 to 138.70): BF0



Time-->



#48

Acenaphthylene

Concen: 38.72 ng

RT: 9.79 min Scan# 670

Delta R.T. -0.00 min

Lab File: BF082082.D

Acq: 6 Oct 2015 14:05

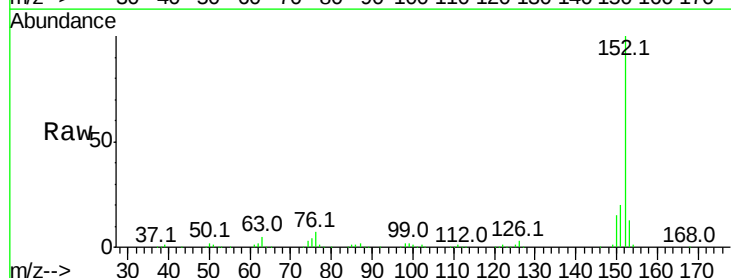
Tgt Ion: 152 Resp: 665871

Ion Ratio Lower Upper

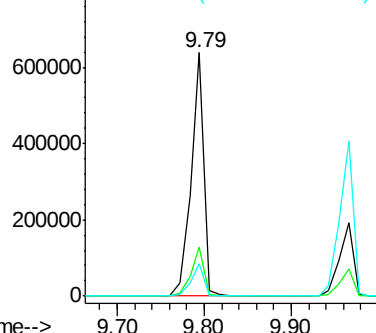
152 100

151 20.3 14.6 22.0

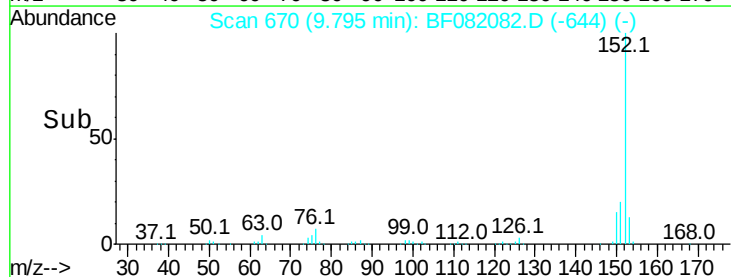
153 13.4 10.3 15.5

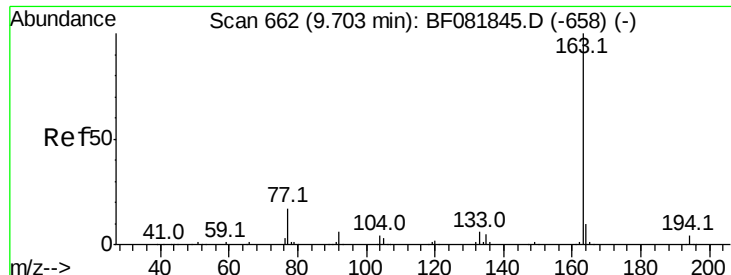


Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E



Time-->





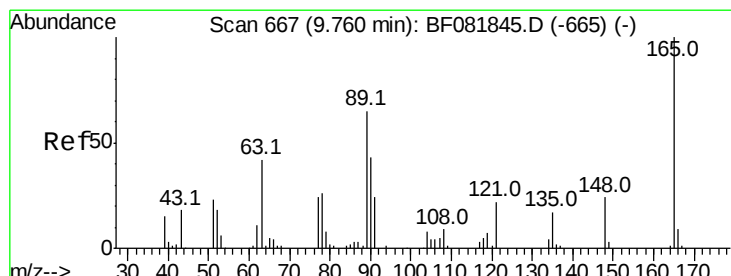
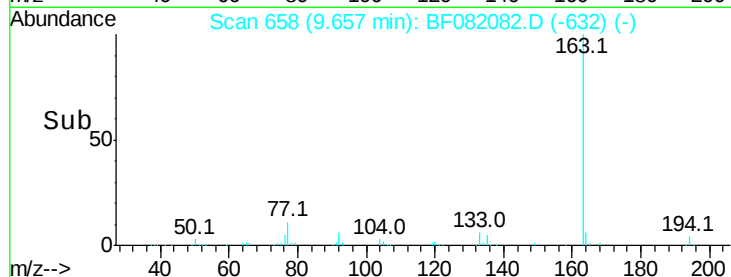
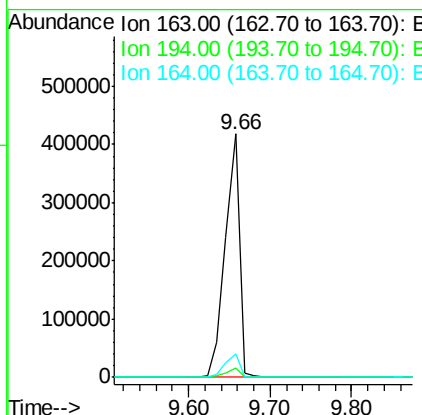
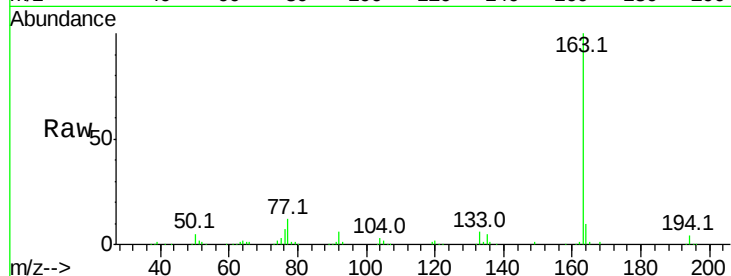
#49  
Dimethylphthalate  
Concen: 41.33 ng  
RT: 9.66 min Scan# 658  
Delta R.T. -0.00 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

Instrument :  
BNA\_F  
ClientSampleId :  
PB85944BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 163     | 100   |            |       |
| 194     | 4.0   | 4.4        | 6.6#  |
| 164     | 9.8   | 8.3        | 12.5  |

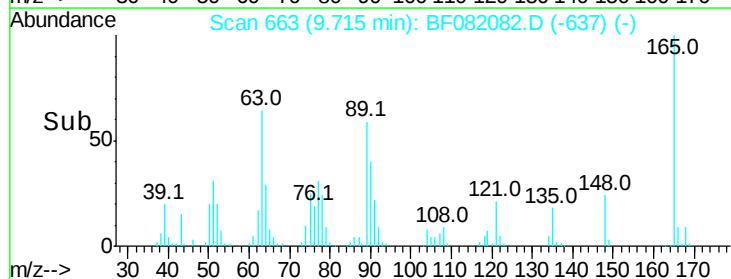
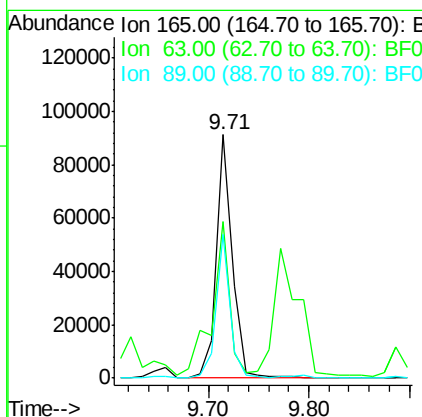
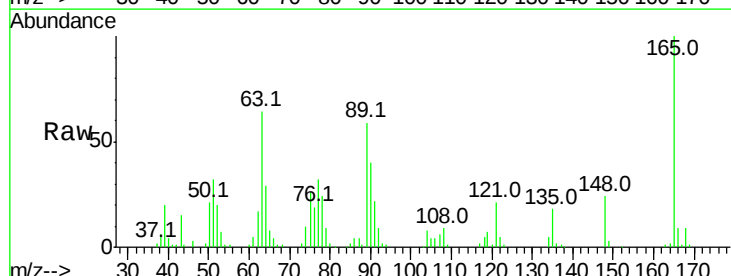
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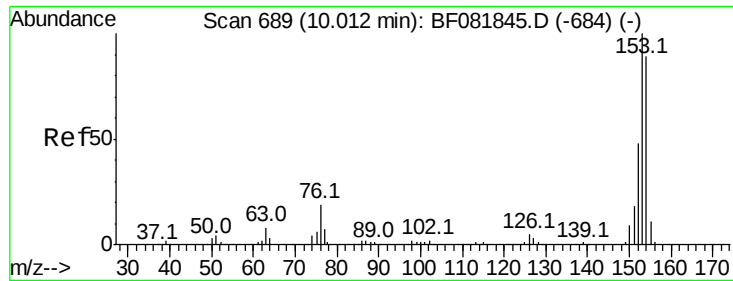
mmdadoda  
10/7/2015 4:51:49 PM



#50  
2,6-Dinitrotoluene  
Concen: 37.86 ng  
RT: 9.71 min Scan# 663  
Delta R.T. -0.00 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 165     | 100   |            |       |
| 63      | 64.2  | 32.3       | 48.5# |
| 89      | 59.0  | 28.6       | 43.0# |





#51

Acenaphthene

Concen: 38.95 ng

RT: 9.97 min Scan# 685

Delta R.T. -0.00 min

Lab File: BF082082.D

Acq: 6 Oct 2015 14:05

Instrument :

BNA\_F

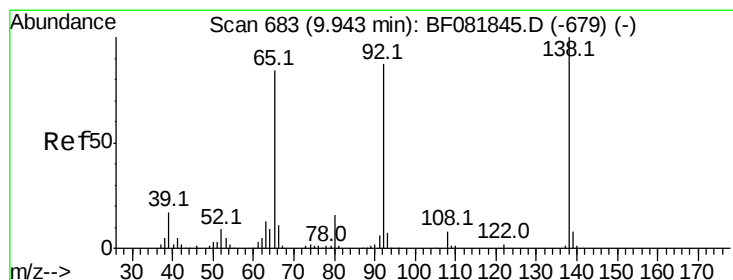
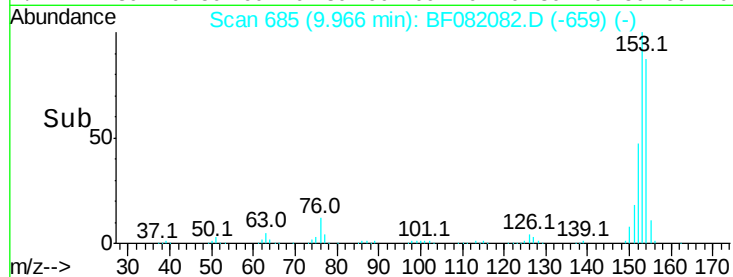
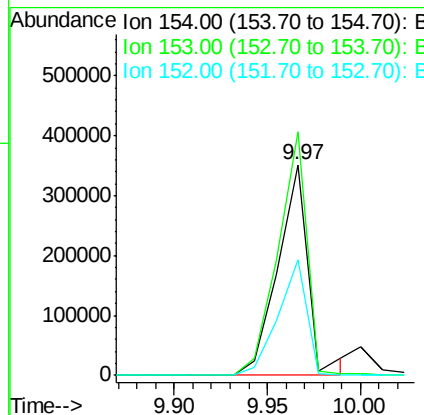
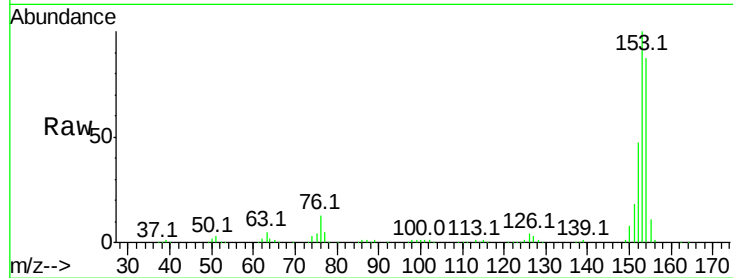
ClientSampleId :

PB85944BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 397689 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 115.5 | 82.1  | 123.1  |
| 152       | 54.8  | 37.9  | 56.9   |

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mmdadoda  
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#52

3-Nitroaniline

Concen: 25.63 ng

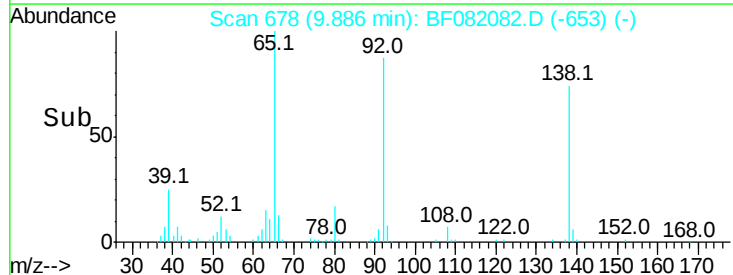
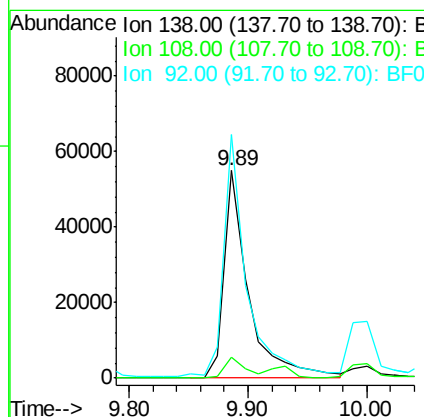
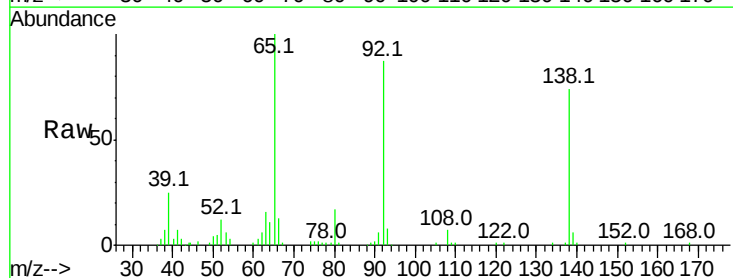
RT: 9.89 min Scan# 678

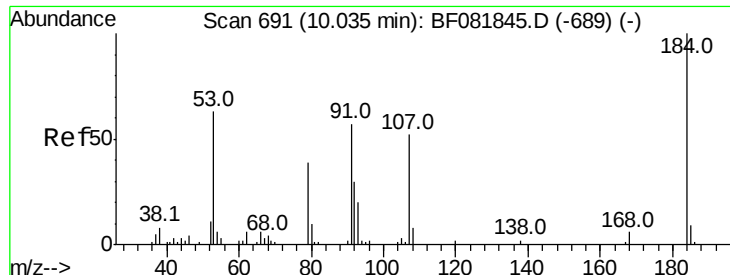
Delta R.T. -0.01 min

Lab File: BF082082.D

Acq: 6 Oct 2015 14:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 138   | Resp: | 78811  |
| Ion Ratio | Lower | Upper |        |
| 138       | 100   |       |        |
| 108       | 10.0  | 5.7   | 8.5#   |
| 92        | 117.5 | 67.7  | 101.5# |





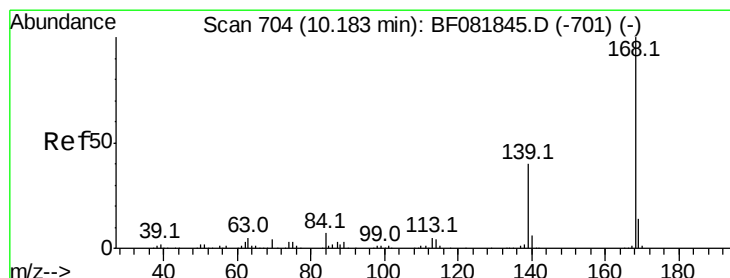
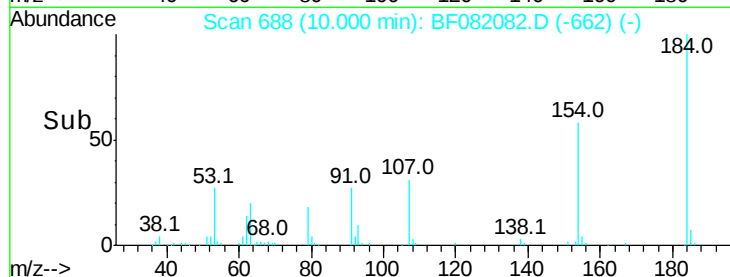
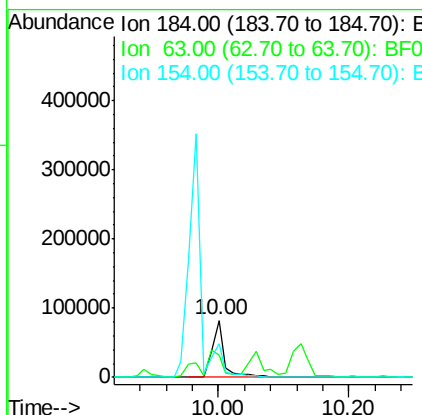
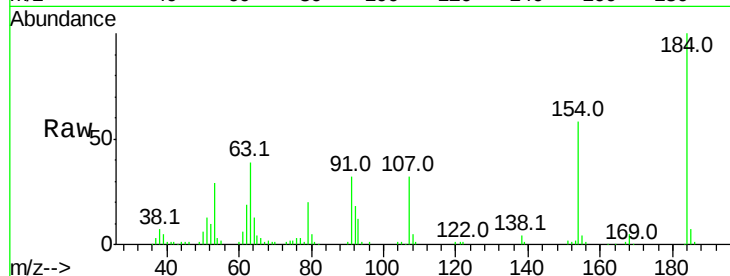
#53  
 2,4-Dinitrophenol  
 Concen: 82.96 ng  
 RT: 10.00 min Scan# 688  
 Delta R.T. -0.00 min  
 Lab File: BF082082.D  
 Acq: 6 Oct 2015 14:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85944BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 184     | 100   |      |       |       |
| 63      | 39.4  | 35.4 | 53.2  |       |
| 154     | 58.0  | 32.2 | 48.4  |       |

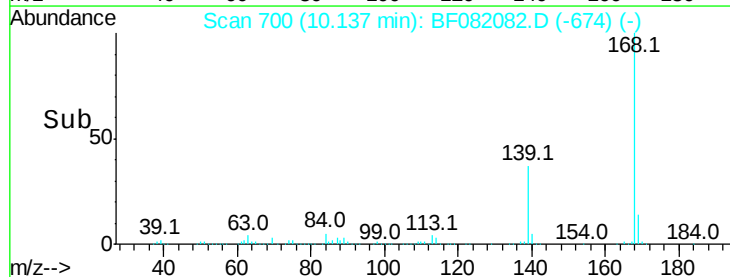
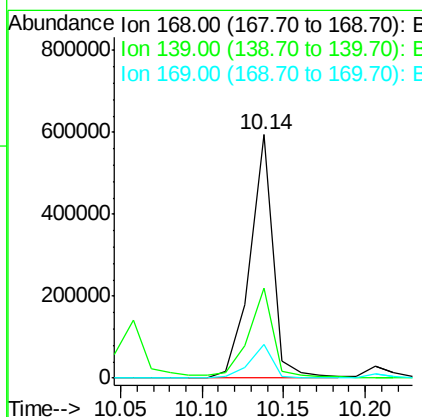
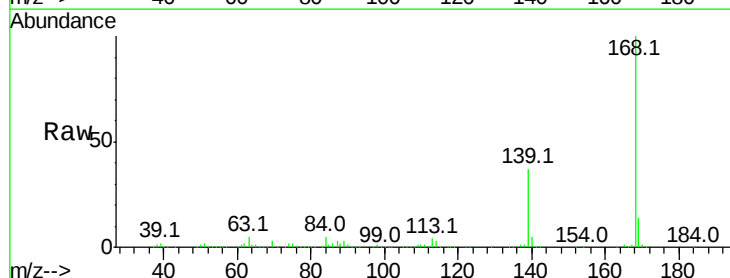
Manual Integrations  
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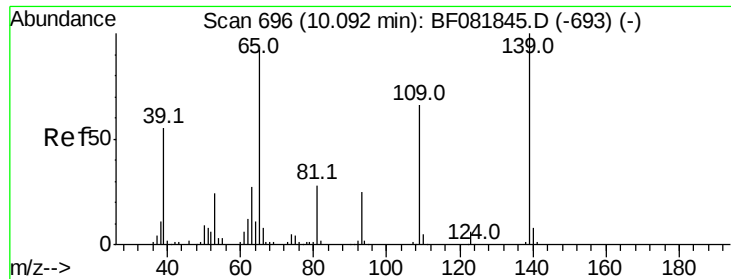
mmdadoda  
 10/7/2015 4:51:49 PM



#54  
 Dibenzofuran  
 Concen: 40.82 ng  
 RT: 10.14 min Scan# 700  
 Delta R.T. -0.00 min  
 Lab File: BF082082.D  
 Acq: 6 Oct 2015 14:05

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 168     | 100   |      |       |       |
| 139     | 37.2  | 24.2 | 36.2  |       |
| 169     | 13.6  | 10.6 | 15.8  |       |





#55

4-Nitrophenol

Concen: 77.72 ng

RT: 10.06 min Scan# 693

Delta R.T. -0.00 min

Lab File: BF082082.D

Acq: 6 Oct 2015 14:05

Instrument :

BNA\_F

ClientSampleId :

PB85944BS

Tot Ion:139 Resp: 172673

Ion Ratio Lower Upper

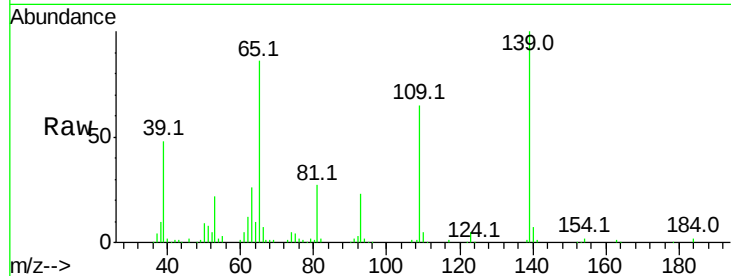
139 100

109 65.5 12.7 52.7#

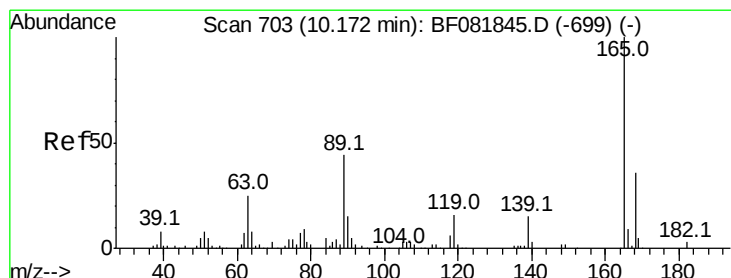
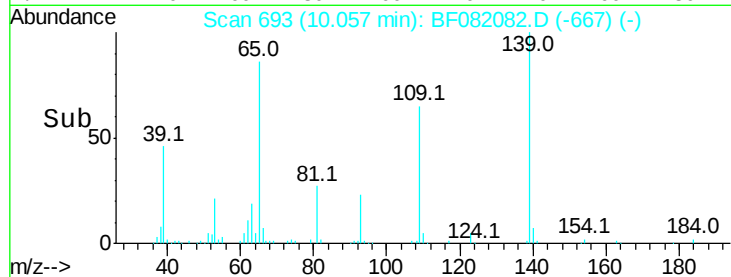
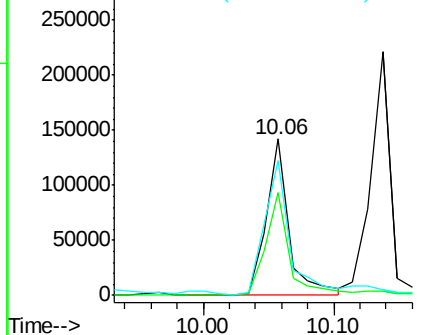
65 86.1 45.9 85.9#

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mmdadoda  
10/7/2015 4:51:49 PM



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): BF0



#56

2,4-Dinitrotoluene

Concen: 45.14 ng

RT: 10.13 min Scan# 699

Delta R.T. -0.00 min

Lab File: BF082082.D

Acq: 6 Oct 2015 14:05

Tgt Ion:165 Resp: 152940

Ion Ratio Lower Upper

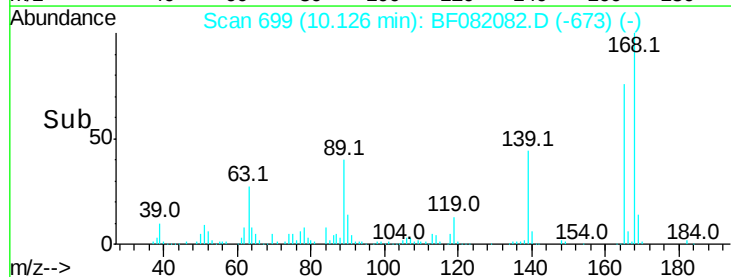
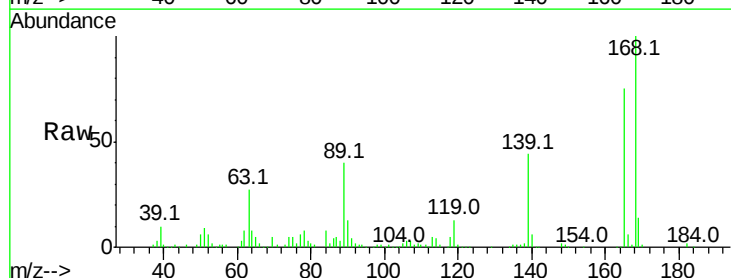
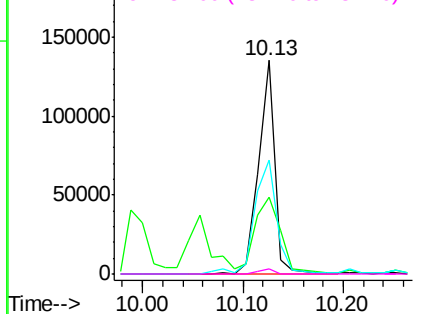
165 100

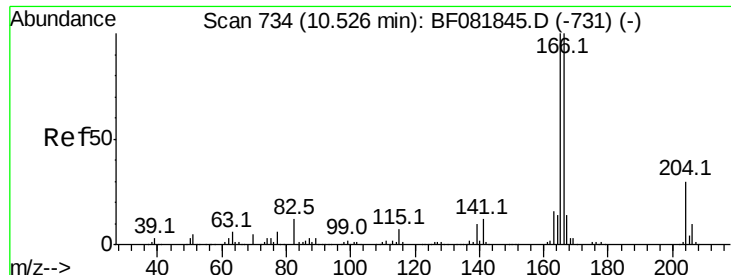
63 35.8 29.8 44.6

89 53.1 44.5 66.7

182 2.4 3.0 4.4#

Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 89.00 (88.70 to 89.70): BF0  
Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 46.19 ng

RT: 10.48 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF082082.D

Acq: 6 Oct 2015 14:05

Instrument :

BNA\_F

ClientSampleId :

PB85944BS

Tot Ion:166 Resp: 476162

Ion Ratio Lower Upper

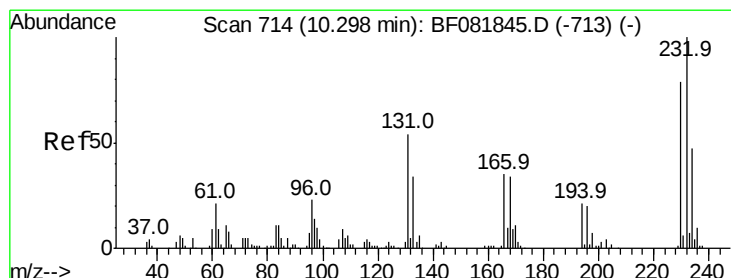
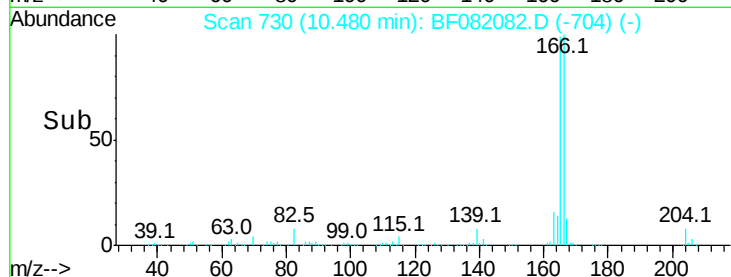
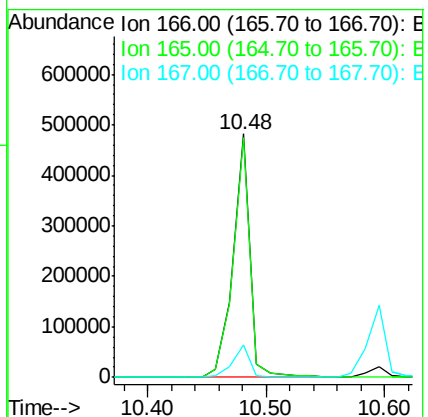
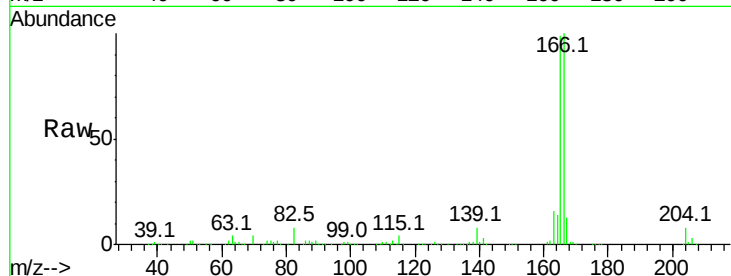
166 100

165 98.7 72.6 109.0

167 13.1 10.6 16.0

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#58

2,3,4,6-Tetrachlorophenol

Concen: 42.71 ng

RT: 10.25 min Scan# 710

Delta R.T. -0.00 min

Lab File: BF082082.D

Acq: 6 Oct 2015 14:05

Tgt Ion:232 Resp: 130049

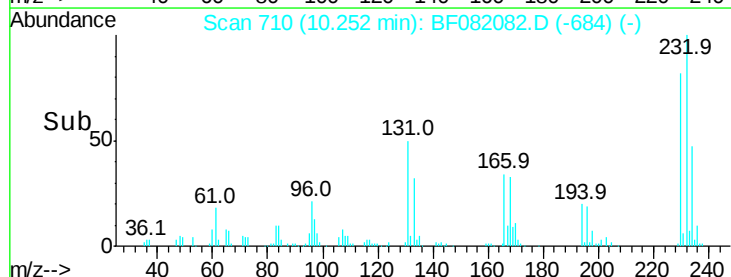
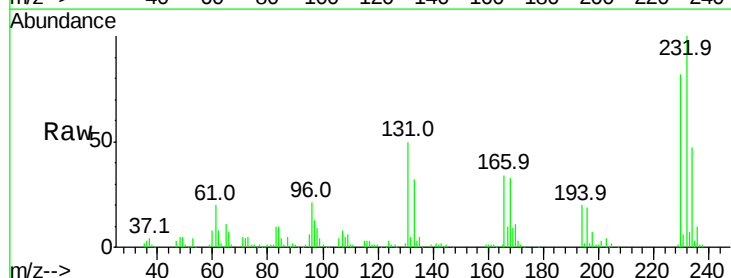
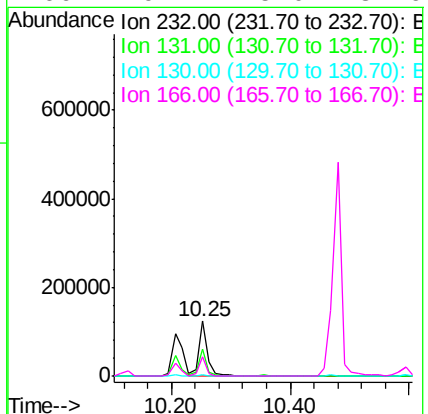
Ion Ratio Lower Upper

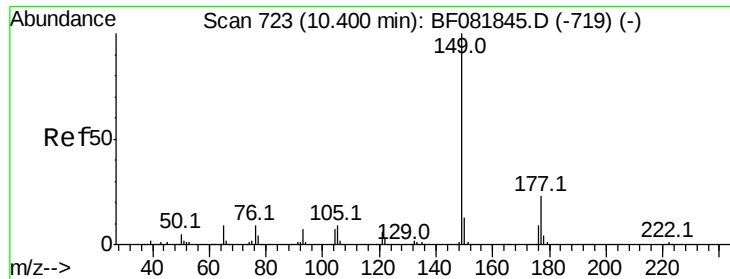
232 100

131 44.2 38.5 57.7

130 2.0 1.8 2.6

166 29.7 25.0 37.6





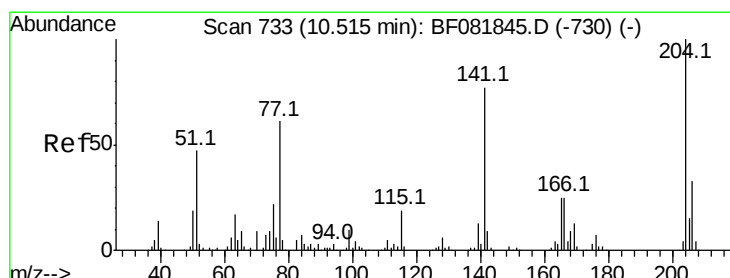
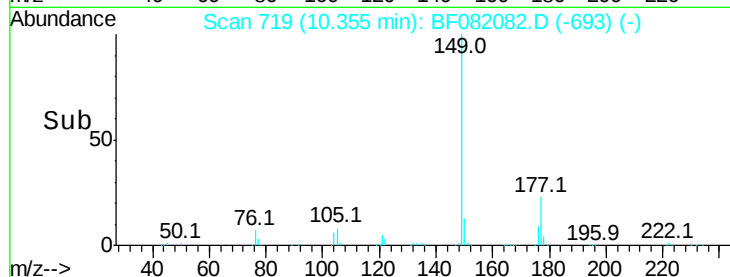
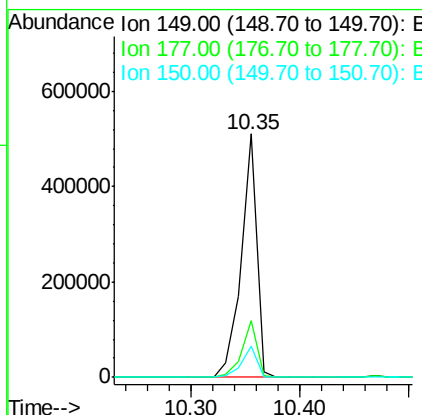
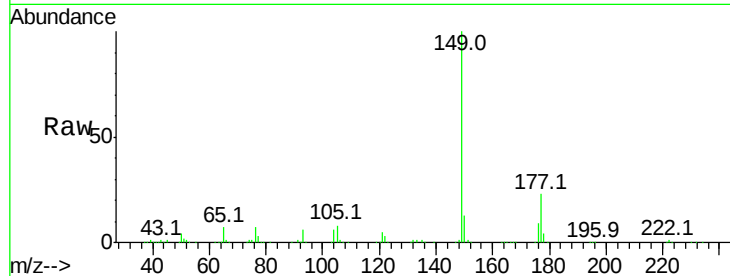
#59  
Diethylphthalate  
Concen: 43.61 ng  
RT: 10.35 min Scan# 719  
Delta R.T. -0.00 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

Instrument :  
BNA\_F  
ClientSampleId :  
PB85944BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 498686 |       |       |
| 177     | 23.4  |        | 17.5  | 26.3  |
| 150     | 12.5  |        | 9.4   | 14.2  |

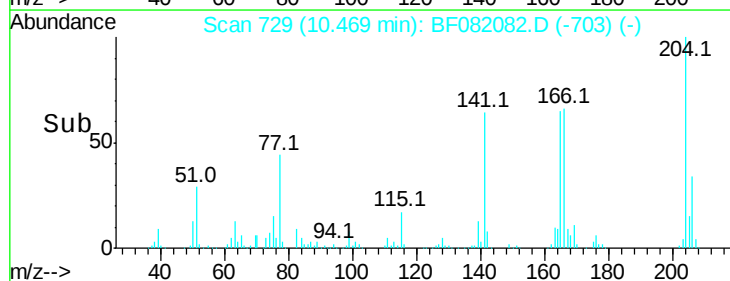
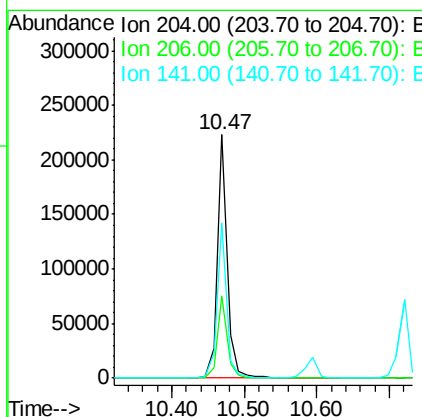
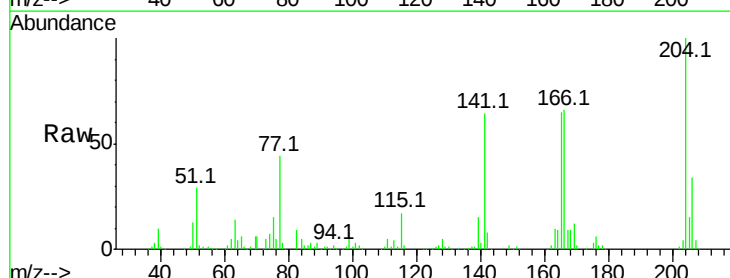
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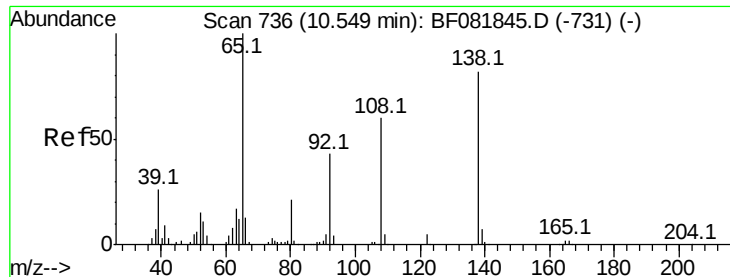
mmdadoda  
10/7/2015 4:51:49 PM



#60  
4-Chlorophenyl-phenylether  
Concen: 39.61 ng  
RT: 10.47 min Scan# 729  
Delta R.T. -0.00 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 204     | 100   | 209269 |       |       |
| 206     | 33.9  |        | 24.8  | 37.2  |
| 141     | 64.0  |        | 42.2  | 63.4  |





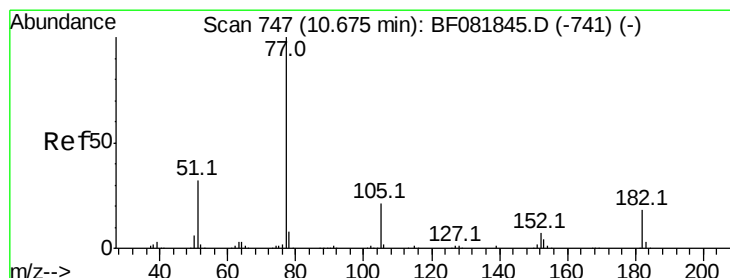
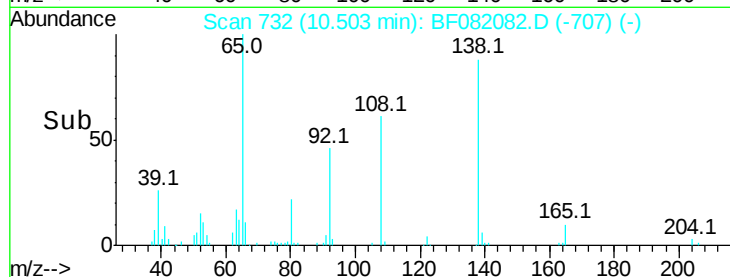
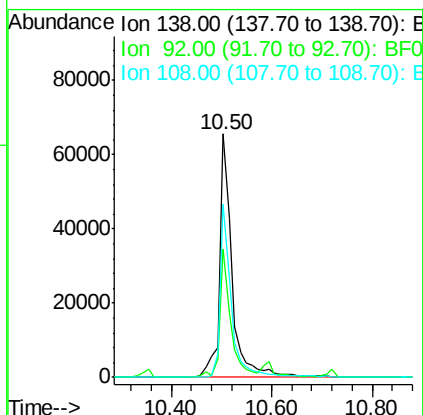
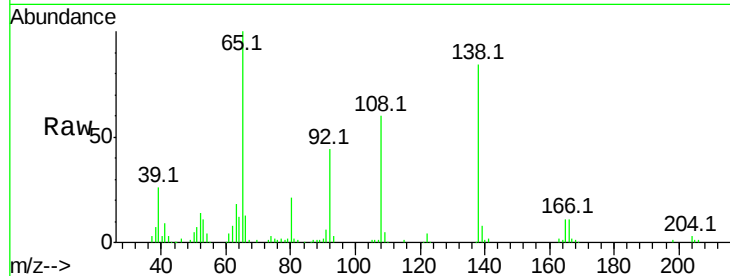
#61  
4-Nitroaniline  
Concen: 36.82 ng  
RT: 10.50 min Scan# 732  
Delta R.T. -0.01 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

Instrument :  
BNA\_F  
ClientSampleId :  
PB85944BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 138     | 100   |      |       |       |
| 92      | 52.5  | 12.6 | 52.6  |       |
| 108     | 71.3  | 12.4 | 52.4  |       |

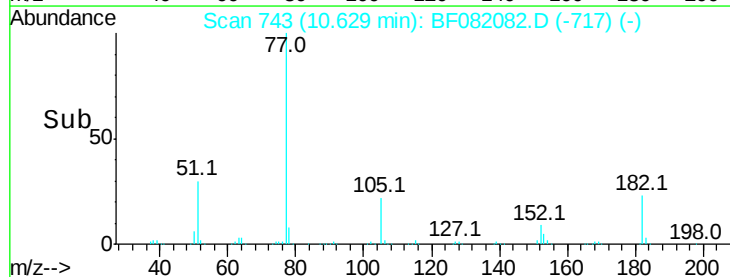
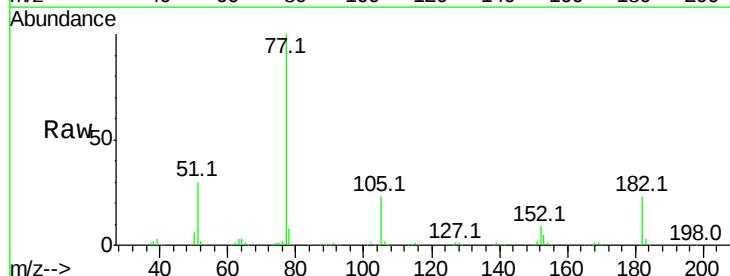
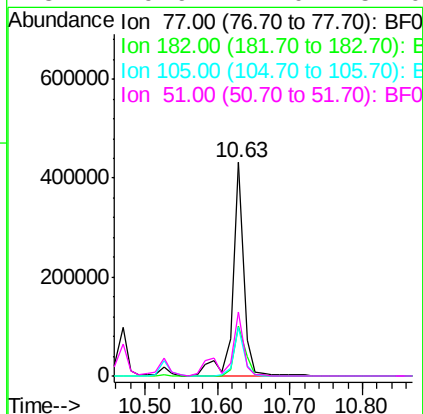
Manual Integrations  
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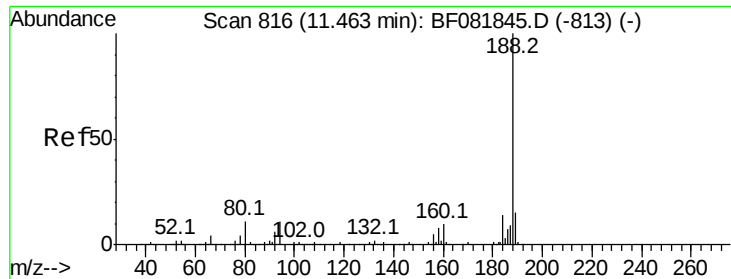
mmdadoda  
10/7/2015 4:51:49 PM



#62  
Azobenzene  
Concen: 41.00 ng  
RT: 10.63 min Scan# 743  
Delta R.T. -0.00 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 77      | 100   |      |       |       |
| 182     | 23.4  | 15.1 | 55.1  |       |
| 105     | 22.9  | 3.4  | 43.4  |       |
| 51      | 29.9  | 12.0 | 52.0  |       |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 812

Delta R.T. -0.00 min

Lab File: BF082082.D

Acq: 6 Oct 2015 14:05

Instrument :

BNA\_F

ClientSampleId :

PB85944BS

Tot Ion:188 Resp: 356752  
Ion Ratio Lower Upper

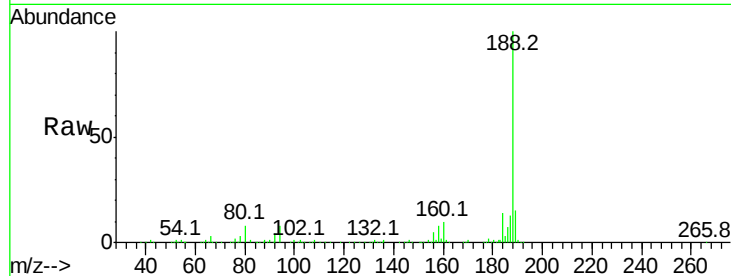
188 100

94 7.6 11.1 16.7#

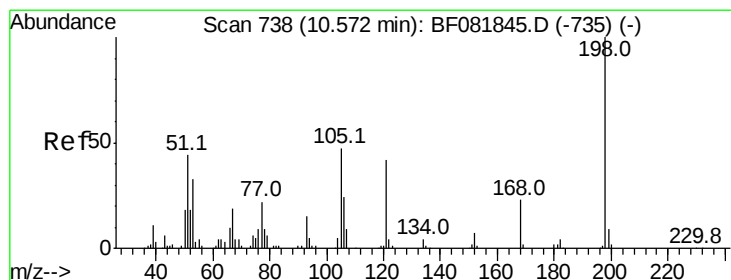
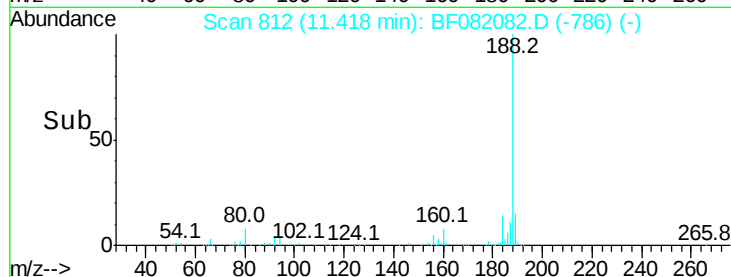
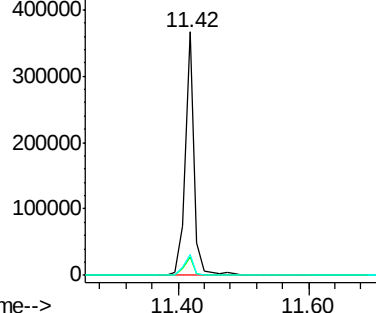
80 8.4 11.0 16.4#

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Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 44.46 ng

RT: 10.53 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF082082.D

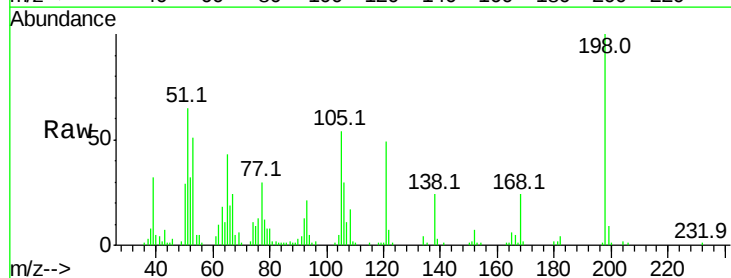
Acq: 6 Oct 2015 14:05

Tgt Ion:198 Resp: 70700  
Ion Ratio Lower Upper

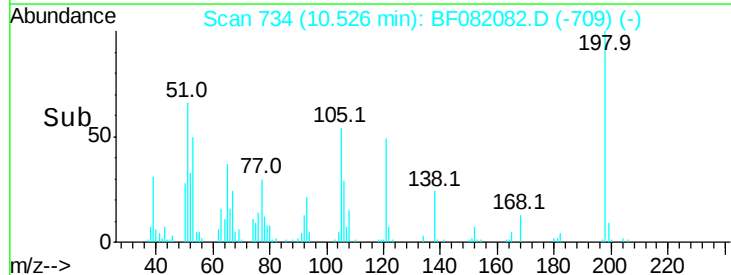
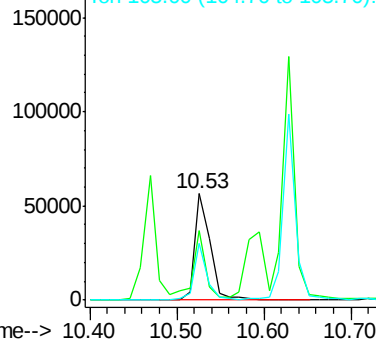
198 100

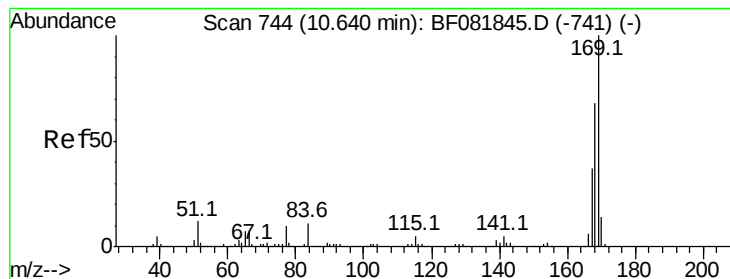
51 65.0 39.6 79.6

105 53.5 28.5 68.5



Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BF0  
Ion 105.00 (104.70 to 105.70): E





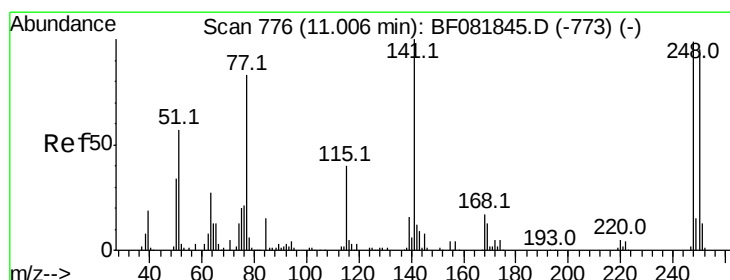
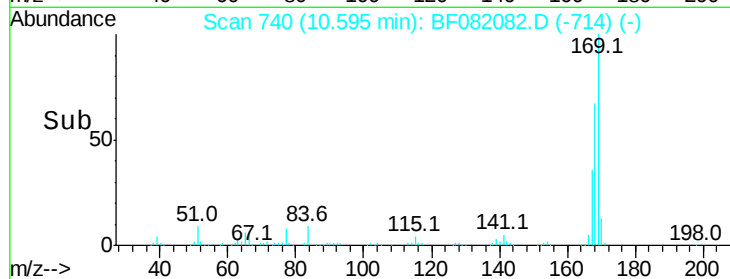
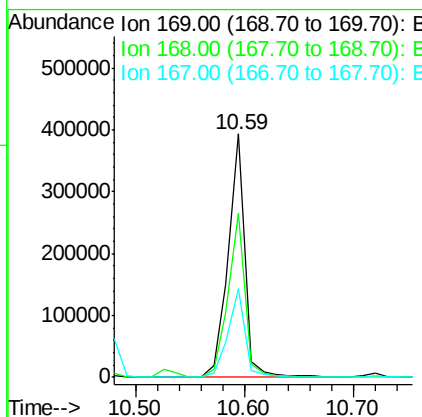
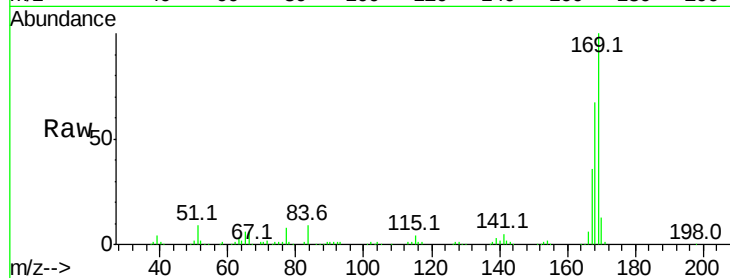
#65  
 n-Nitrosodiphenylamine  
 Concen: 38.95 ng  
 RT: 10.59 min Scan# 740  
 Delta R.T. -0.00 min  
 Lab File: BF082082.D  
 Acq: 6 Oct 2015 14:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85944BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 420411 |       |       |
| 168     | 67.4  | 48.9   | 73.3  |       |
| 167     | 36.4  | 26.2   | 39.4  |       |

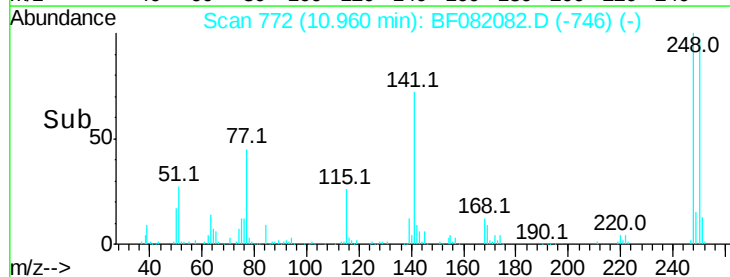
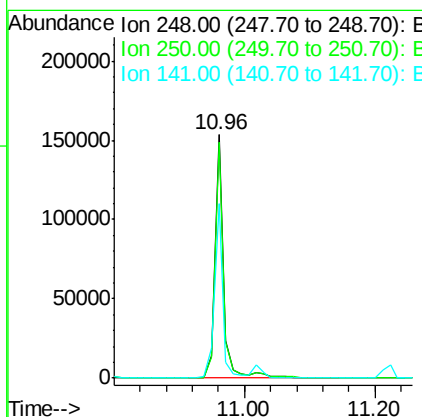
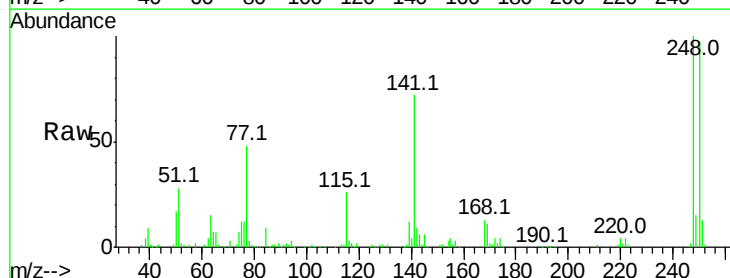
Manual Integrations  
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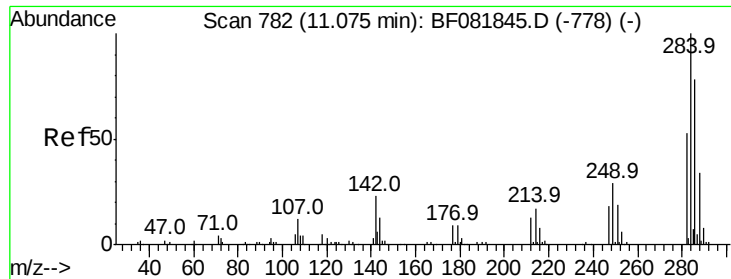
mmdadoda  
 10/7/2015 4:51:49 PM



#66  
 4-Bromophenyl-phenylether  
 Concen: 40.45 ng  
 RT: 10.96 min Scan# 772  
 Delta R.T. -0.00 min  
 Lab File: BF082082.D  
 Acq: 6 Oct 2015 14:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 248     | 100   | 145519 |       |       |
| 250     | 97.0  | 78.5   | 117.7 |       |
| 141     | 71.6  | 59.0   | 88.6  |       |





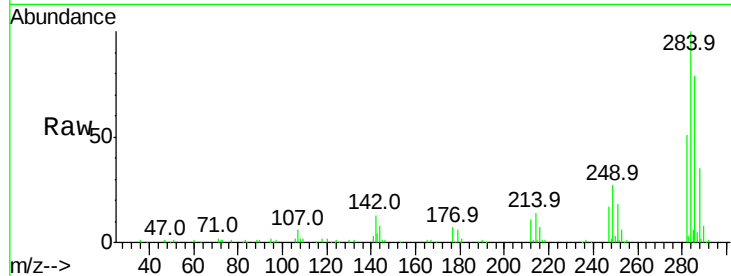
#67  
Hexachlorobenzene  
Concen: 35.76 ng  
RT: 11.03 min Scan# 778  
Delta R.T. -0.00 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

Instrument :  
BNA\_F  
ClientSampleId :  
PB85944BS

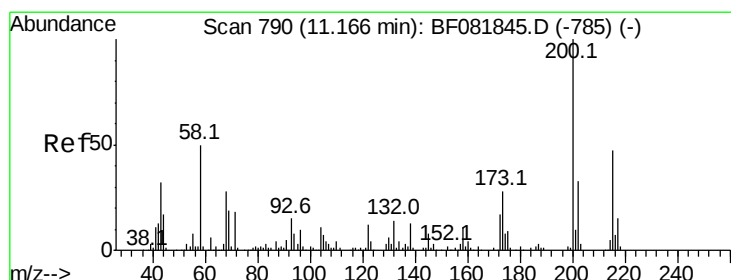
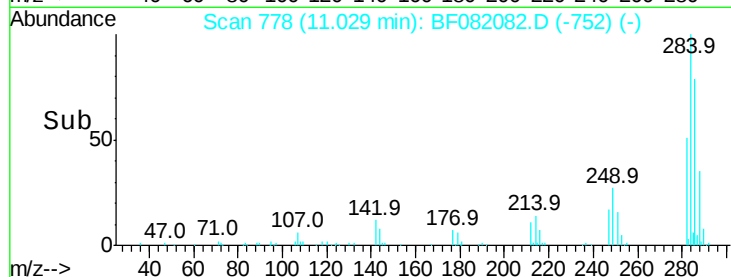
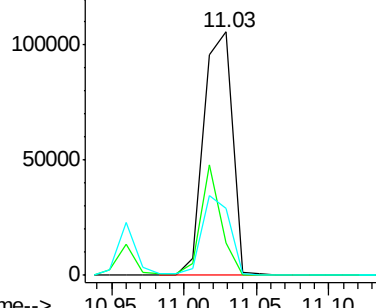
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 284     | 100   |      |       |       |
| 142     | 13.5  | 29.5 | 44.3  |       |
| 249     | 27.3  | 19.5 | 29.3  |       |

Manual Integrations  
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mmdadoda  
10/7/2015 4:51:49 PM

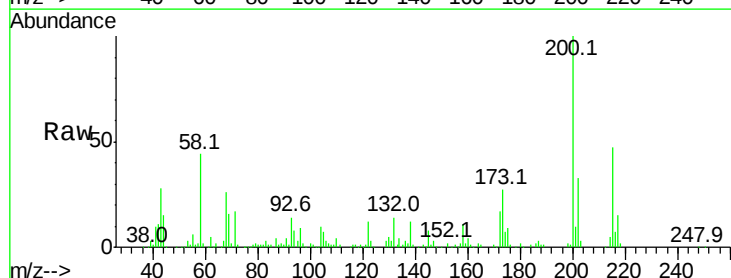


Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

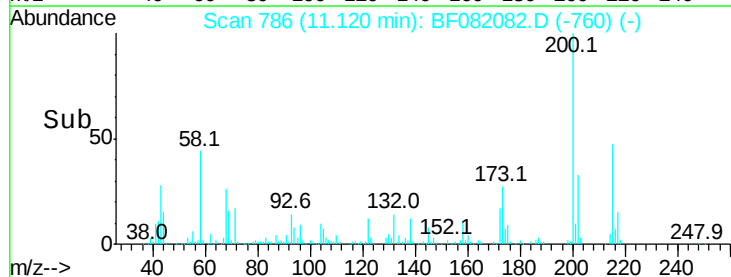
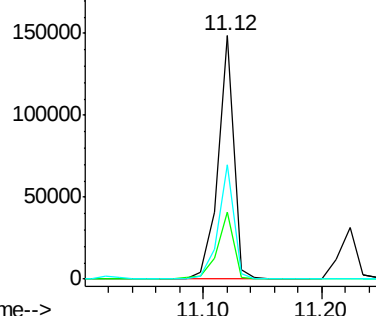


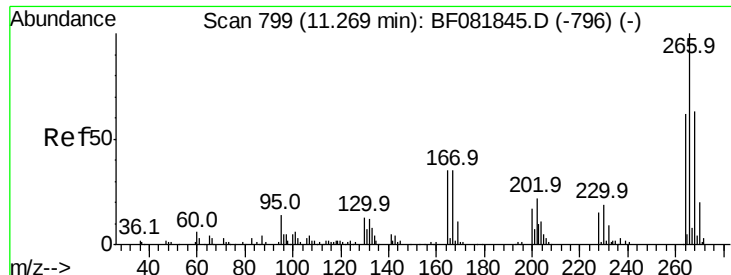
#68  
Atrazine  
Concen: 41.35 ng  
RT: 11.12 min Scan# 786  
Delta R.T. -0.00 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 200     | 100   |      |       |       |
| 173     | 27.4  | 13.2 | 53.2  |       |
| 215     | 47.2  | 41.8 | 81.8  |       |



Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E





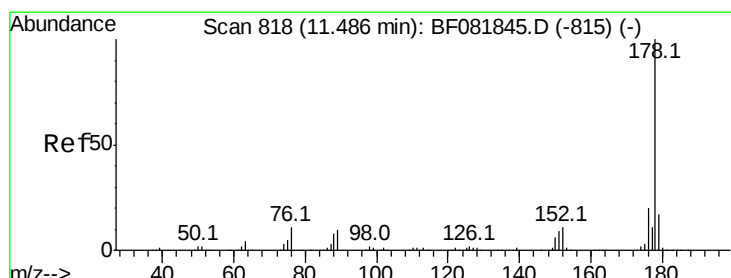
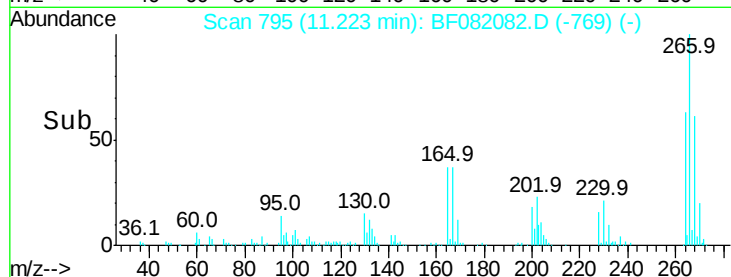
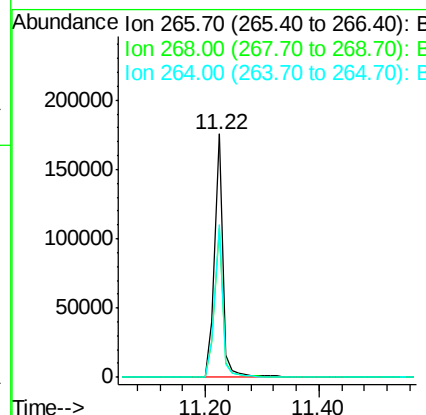
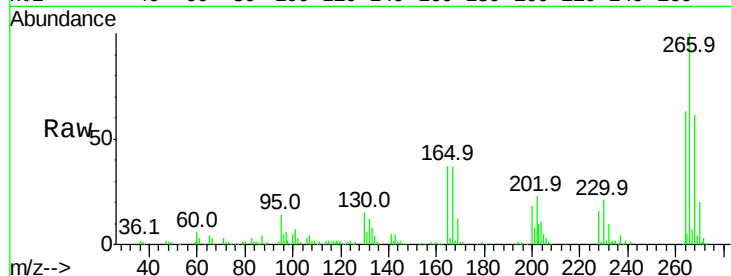
#69  
 Pentachlorophenol  
 Concen: 74.82 ng  
 RT: 11.22 min Scan# 795  
 Delta R.T. -0.00 min  
 Lab File: BF082082.D  
 Acq: 6 Oct 2015 14:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85944BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 266     | 100   | 173070 |       |       |
| 268     | 61.4  | 49.8   | 74.6  |       |
| 264     | 62.7  | 50.2   | 75.2  |       |

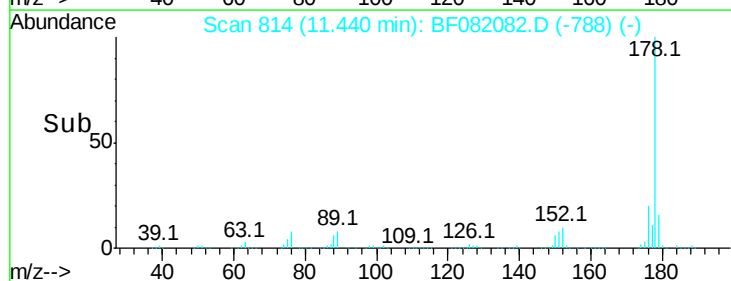
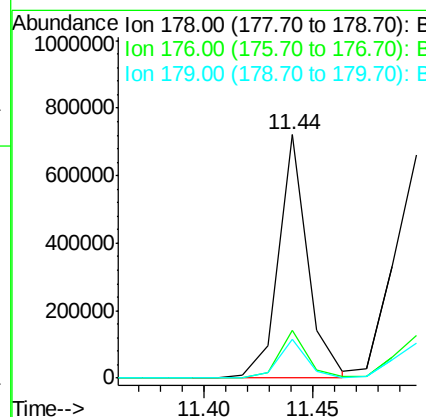
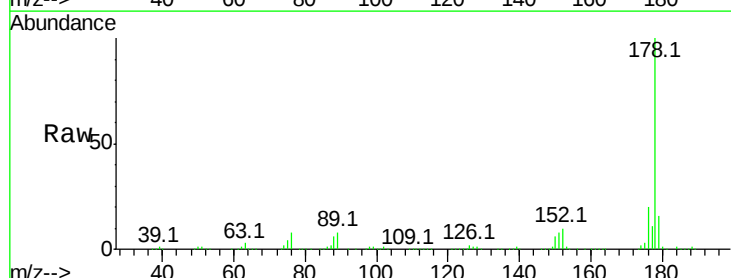
Manual Integrations  
 APPROVED

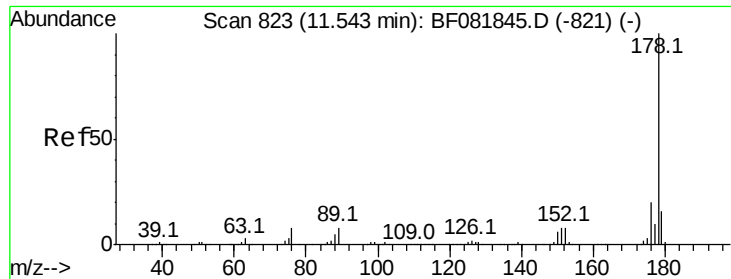
mmdadoda  
 10/7/2015 4:51:49 PM



#70  
 Phenanthrene  
 Concen: 39.05 ng  
 RT: 11.44 min Scan# 814  
 Delta R.T. -0.00 min  
 Lab File: BF082082.D  
 Acq: 6 Oct 2015 14:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 178     | 100   | 674271 |       |       |
| 176     | 19.8  | 13.8   | 20.8  |       |
| 179     | 15.7  | 12.2   | 18.2  |       |





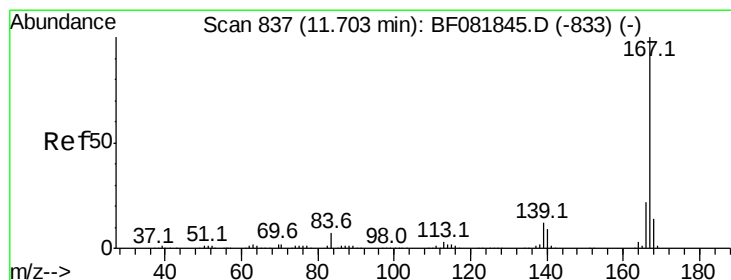
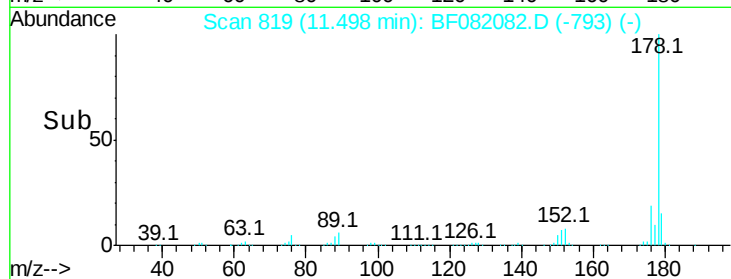
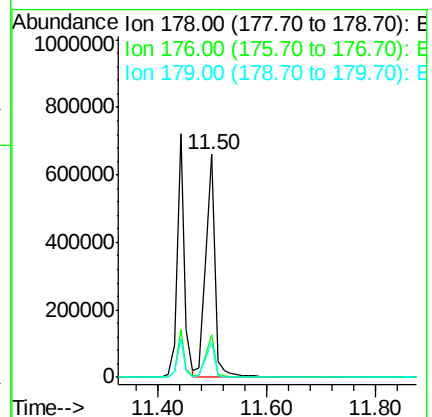
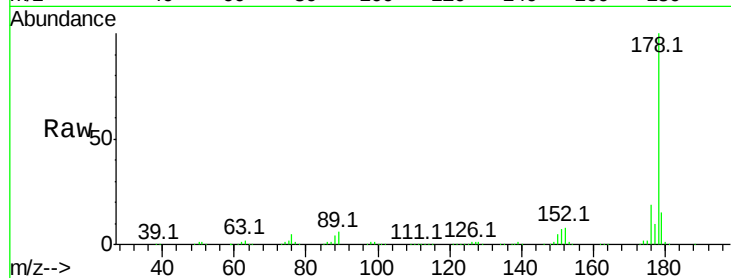
#71  
 Anthracene  
 Concen: 42.82 ng  
 RT: 11.50 min Scan# 819  
 Delta R.T. -0.00 min  
 Lab File: BF082082.D  
 Acq: 6 Oct 2015 14:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85944BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.0  | 14.1  | 21.1  |
| 179     | 15.5  | 12.2  | 18.2  |

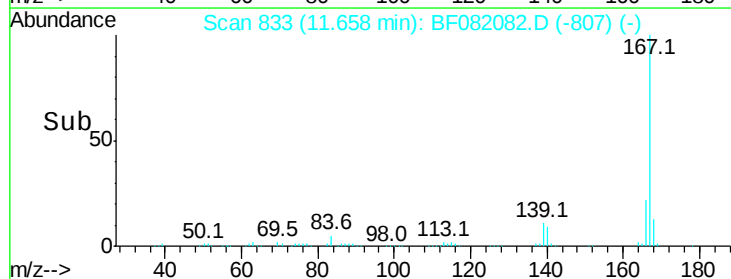
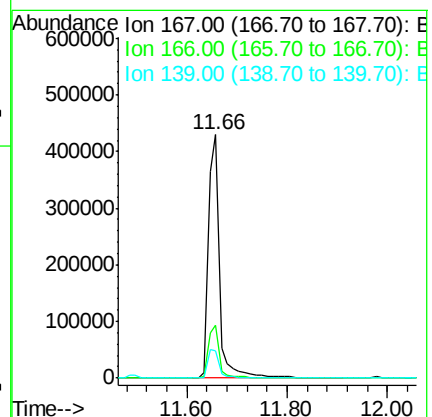
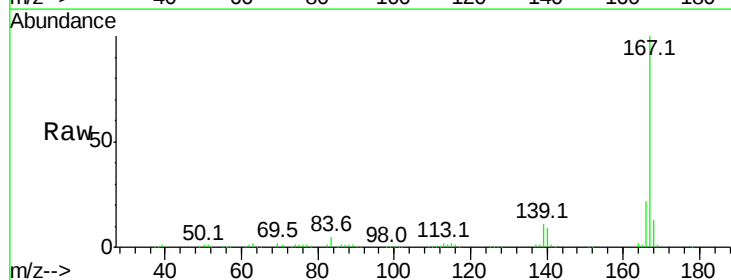
Manual Integrations  
 APPROVED

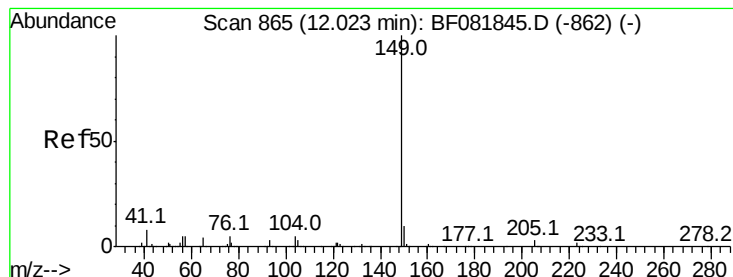
mmdadoda  
 10/7/2015 4:51:49 PM



#72  
 Carbazole  
 Concen: 40.47 ng  
 RT: 11.66 min Scan# 833  
 Delta R.T. -0.00 min  
 Lab File: BF082082.D  
 Acq: 6 Oct 2015 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.7  | 15.7  | 23.5  |
| 139     | 11.3  | 9.5   | 14.3  |





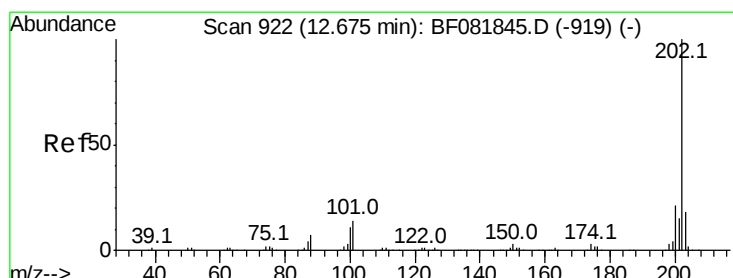
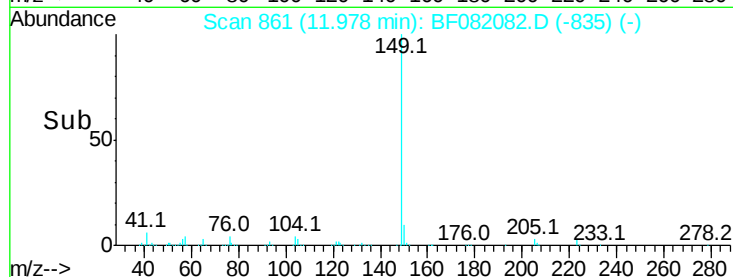
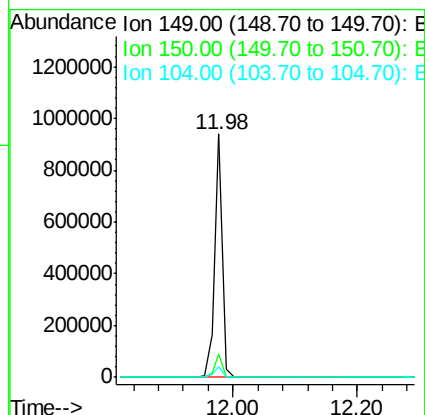
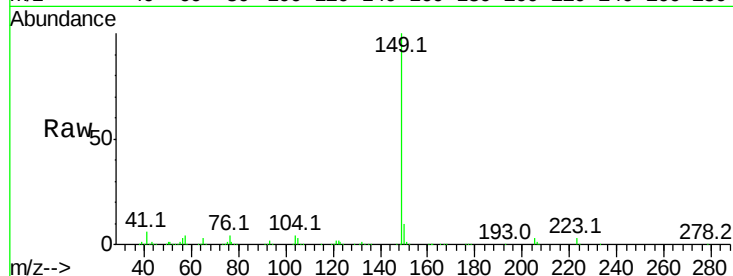
#73  
Di-n-butylphthalate  
Concen: 47.44 ng  
RT: 11.98 min Scan# 861  
Delta R.T. -0.00 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

Instrument :  
BNA\_F  
ClientSampleId :  
PB85944BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 149     | 100   |            |       |
| 150     | 9.7   | 7.4        | 11.2  |
| 104     | 4.4   | 2.4        | 3.6   |

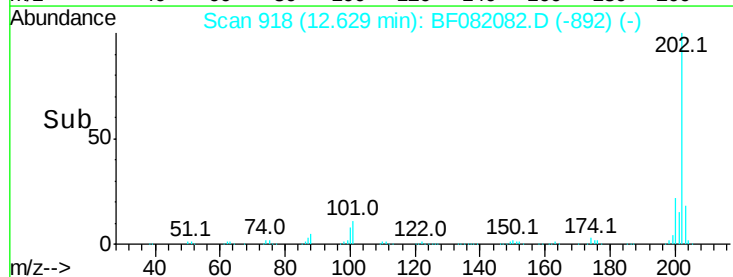
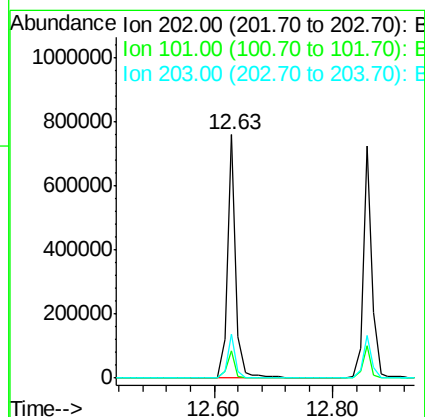
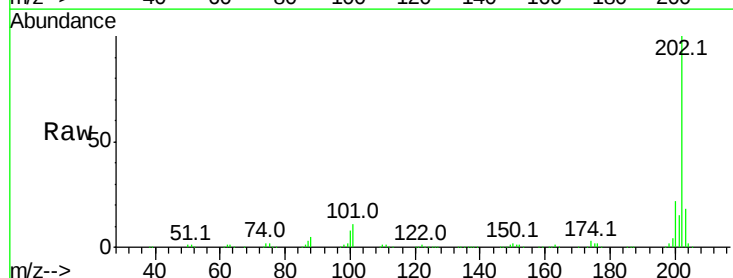
Manual Integrations  
APPROVED

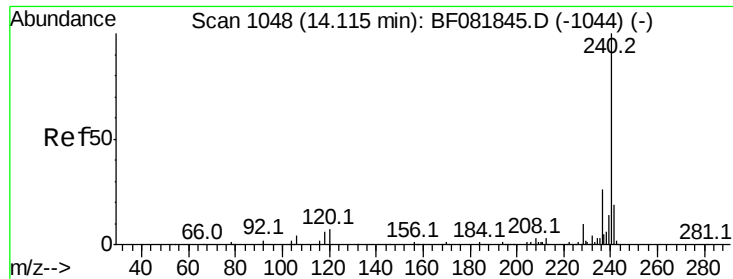
mmdadoda  
10/7/2015 4:51:49 PM



#74  
Fluoranthene  
Concen: 38.67 ng  
RT: 12.63 min Scan# 918  
Delta R.T. -0.00 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 11.1  | 0.0        | 38.3  |
| 203     | 18.0  | 0.0        | 37.3  |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.06 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF082082.D

Acq: 6 Oct 2015 14:05

Instrument :

BNA\_F

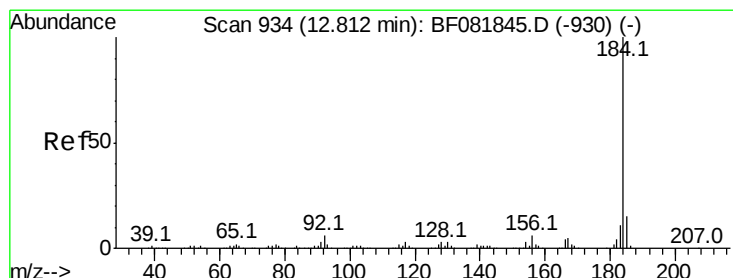
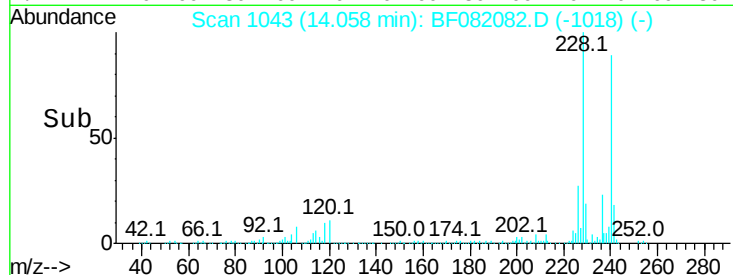
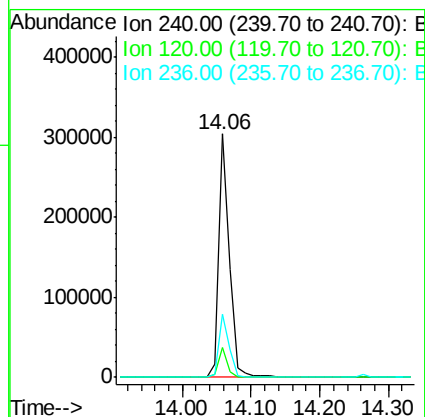
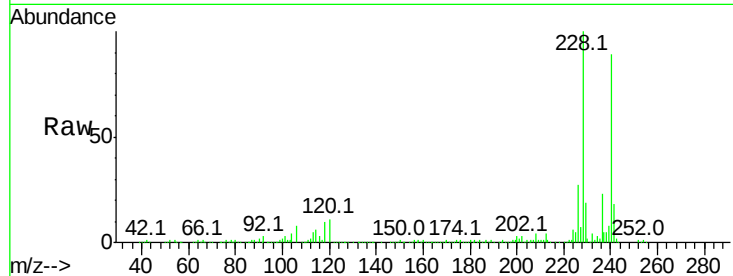
ClientSampleId :

PB85944BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 332390 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 12.5  | 16.2  | 24.2#  |
| 236       | 26.1  | 18.4  | 27.6   |

Manual Integrations  
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#76

Benzidine

Concen: 34.50 ng

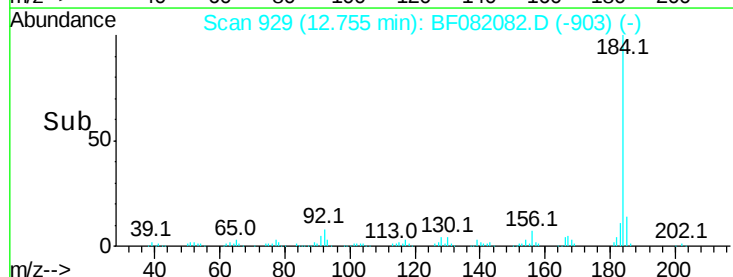
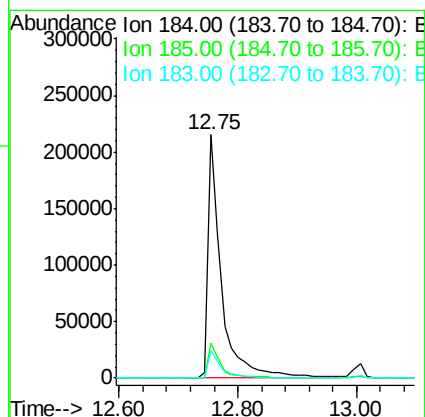
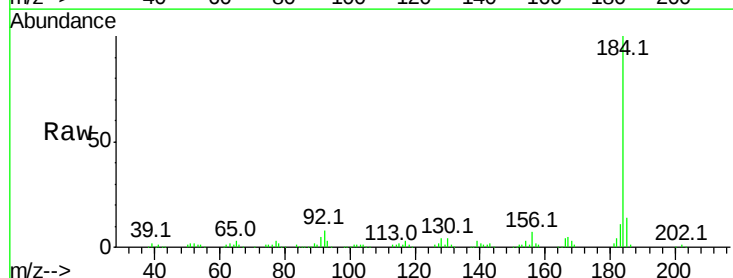
RT: 12.75 min Scan# 929

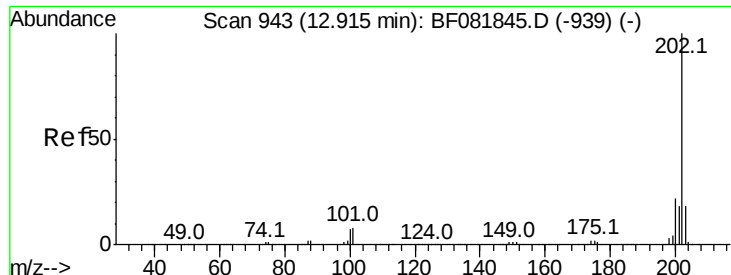
Delta R.T. -0.00 min

Lab File: BF082082.D

Acq: 6 Oct 2015 14:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 184   | Resp: | 345509 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 14.4  | 11.8  | 17.6   |
| 183       | 11.3  | 7.6   | 11.4   |





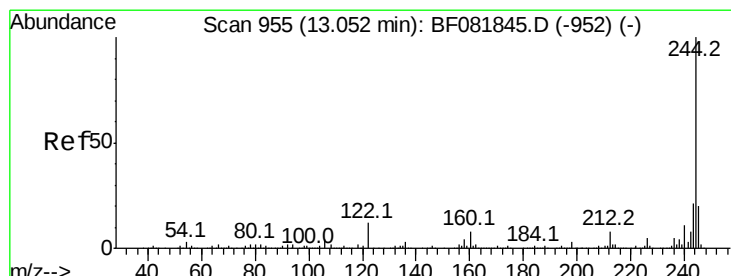
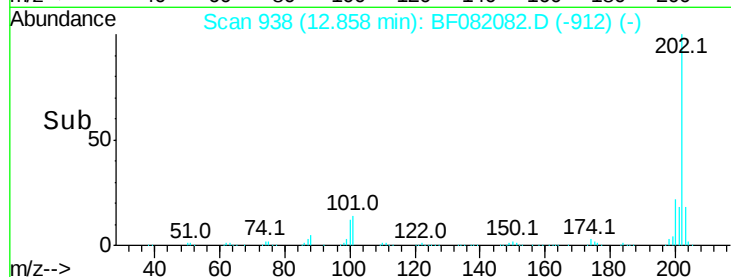
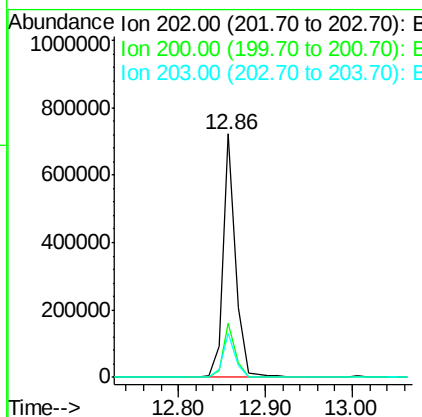
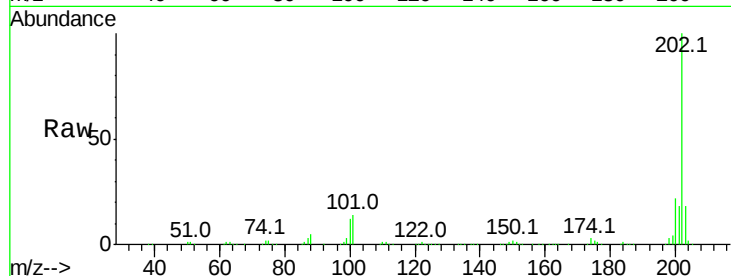
#77  
Pvrene  
Concen: 36.47 ng  
RT: 12.86 min Scan# 938  
Delta R.T. -0.00 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

Instrument :  
BNA\_F  
ClientSampleId :  
PB85944BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 200     | 22.1  | 15.0       | 22.4  |
| 203     | 18.2  | 14.1       | 21.1  |

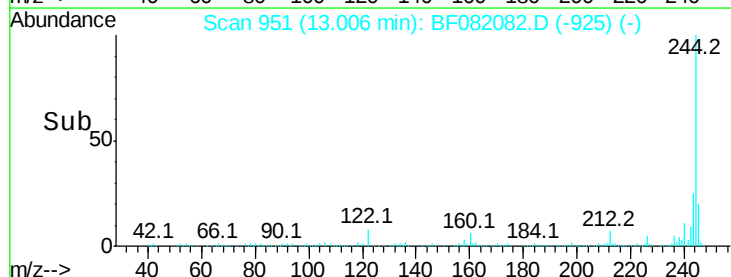
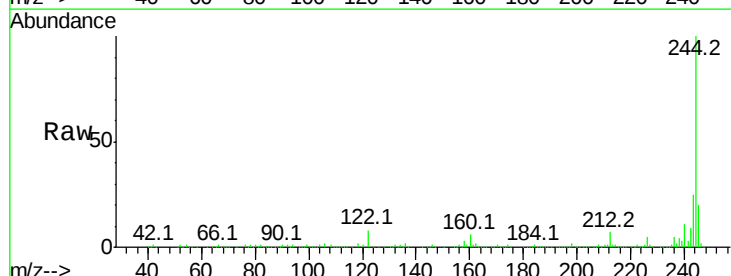
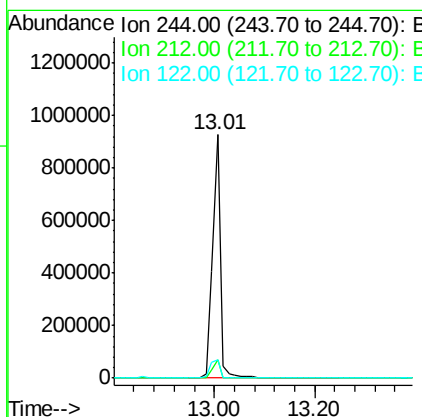
Manual Integrations  
APPROVED

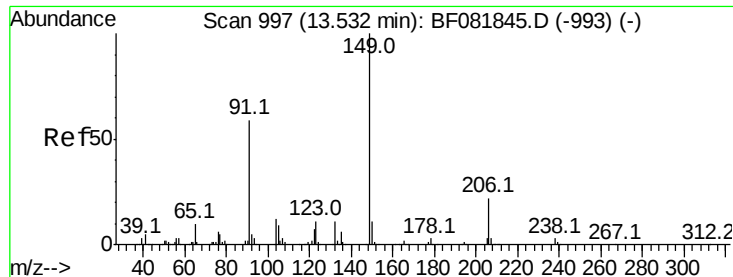
mmdadoda  
10/7/2015 4:51:49 PM



#78  
Terphenyl-d14  
Concen: 103.85 ng  
RT: 13.01 min Scan# 951  
Delta R.T. -0.00 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 244     | 100   |            |       |
| 212     | 7.3   | 4.3        | 6.5#  |
| 122     | 7.7   | 17.4       | 26.2# |





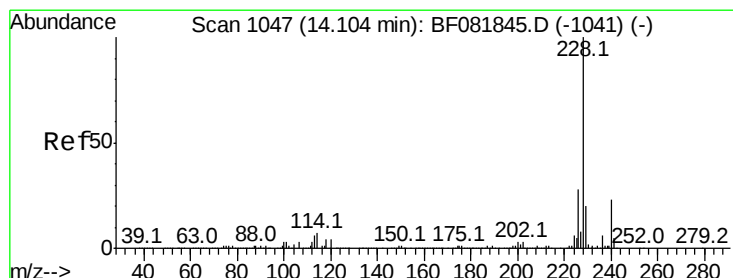
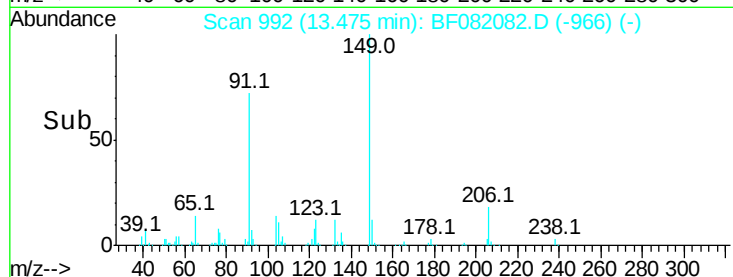
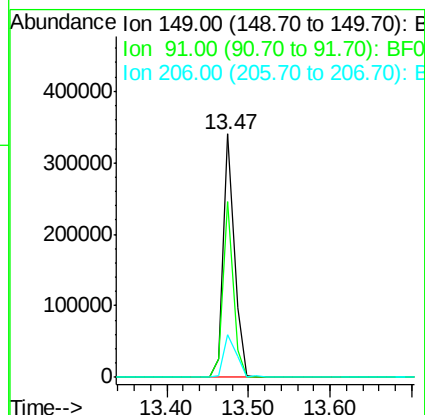
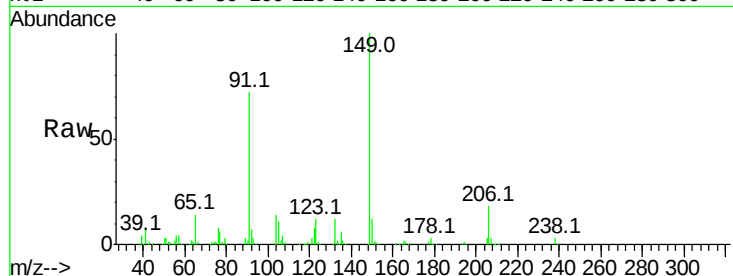
#79  
Butylbenzylphthalate  
Concen: 43.31 ng  
RT: 13.47 min Scan# 992  
Delta R.T. -0.00 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

Instrument :  
BNA\_F  
ClientSampleId :  
PB85944BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 323603 |       |       |
| 91      | 72.2  | 48.6   | 72.8  |       |
| 206     | 17.8  | 14.9   | 22.3  |       |

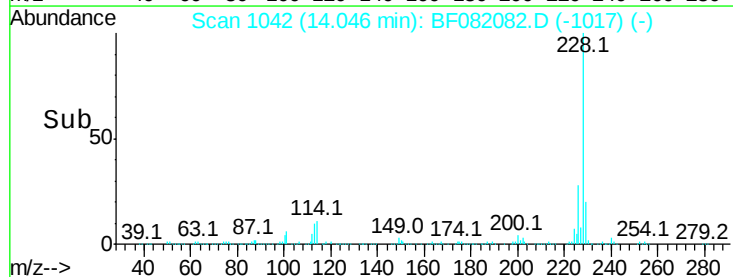
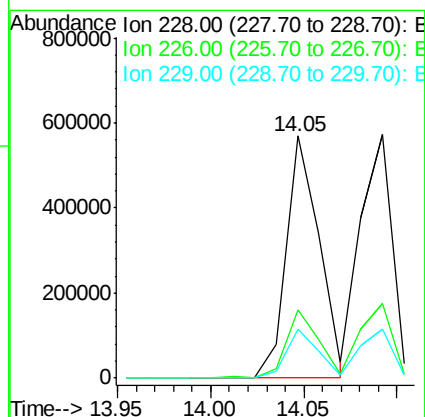
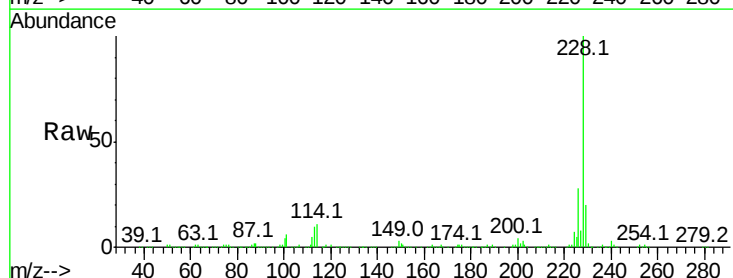
Manual Integrations  
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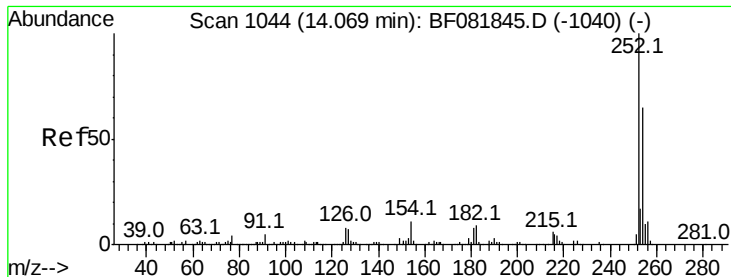
mmdadoda  
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#80  
Benzo(a)anthracene  
Concen: 39.40 ng  
RT: 14.05 min Scan# 1042  
Delta R.T. -0.01 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 705209 |       |       |
| 226     | 28.1  | 20.0   | 30.0  |       |
| 229     | 20.3  | 15.4   | 23.2  |       |





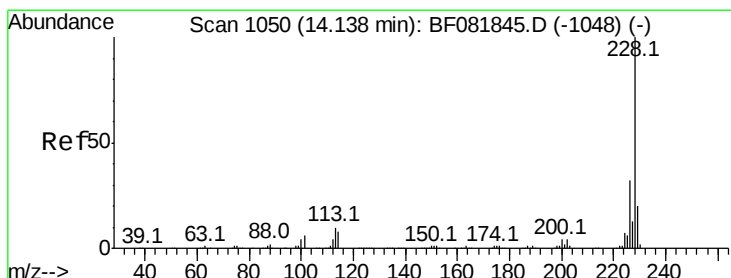
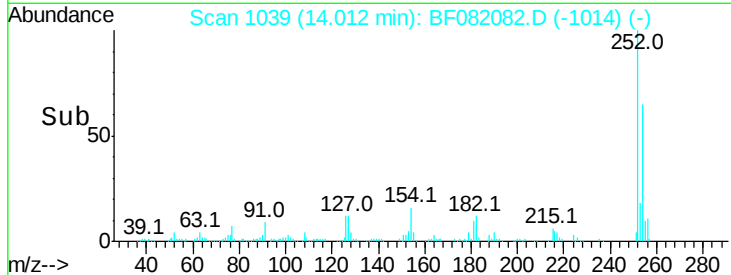
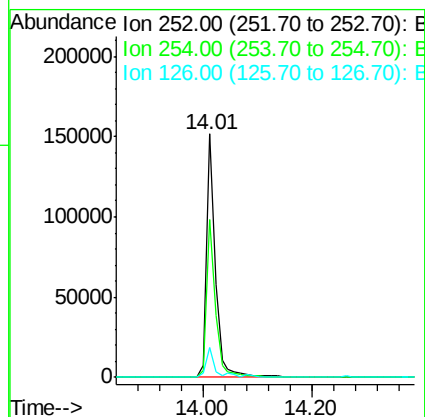
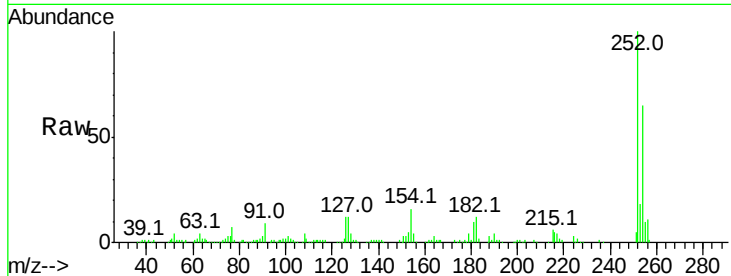
#81  
 3,3'-Dichlorobenzidine  
 Concen: 28.38 ng  
 RT: 14.01 min Scan# 1039  
 Delta R.T. -0.01 min  
 Lab File: BF082082.D  
 Acq: 6 Oct 2015 14:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85944BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 254     | 64.7  | 51.4       | 77.2  |
| 126     | 12.4  | 16.4       | 24.6  |

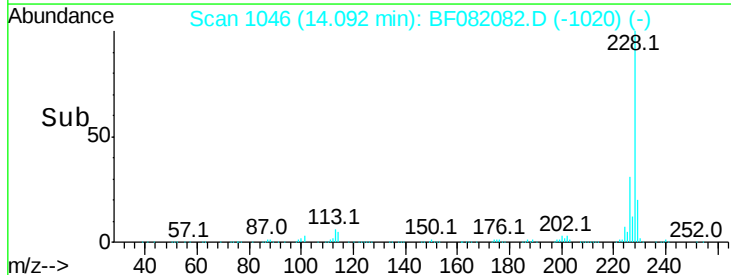
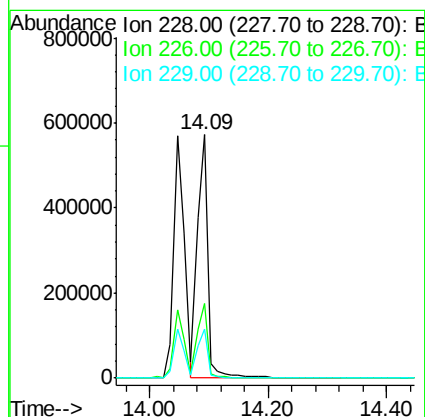
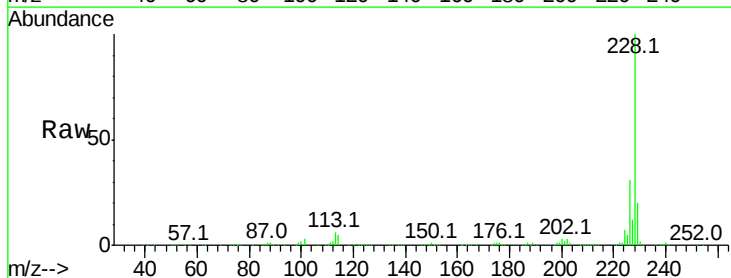
Manual Integrations  
 APPROVED

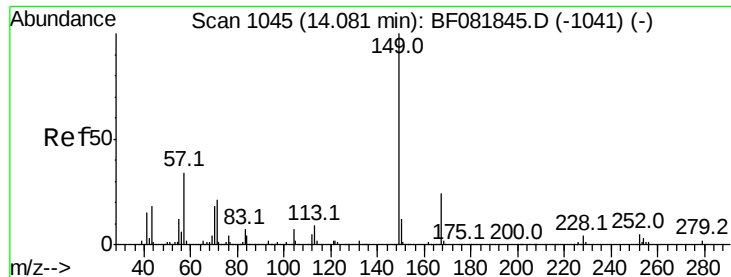
mmdadoda  
 10/7/2015 4:51:49 PM



#82  
 Chrysene  
 Concen: 46.57 ng  
 RT: 14.09 min Scan# 1046  
 Delta R.T. -0.00 min  
 Lab File: BF082082.D  
 Acq: 6 Oct 2015 14:05

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 226     | 30.8  | 21.0       | 31.4  |
| 229     | 20.3  | 15.6       | 23.4  |





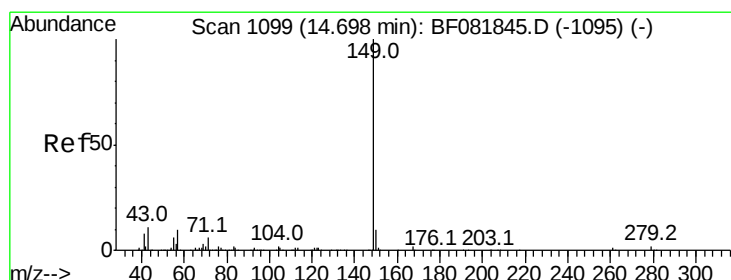
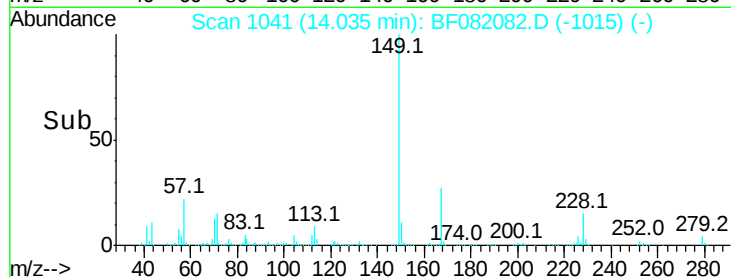
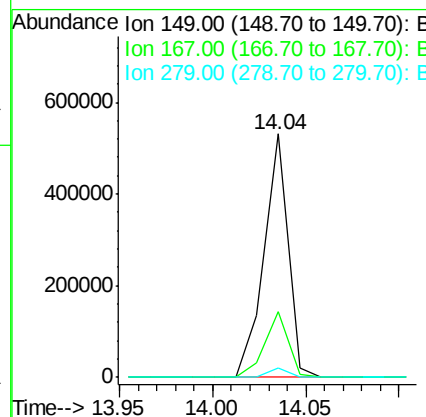
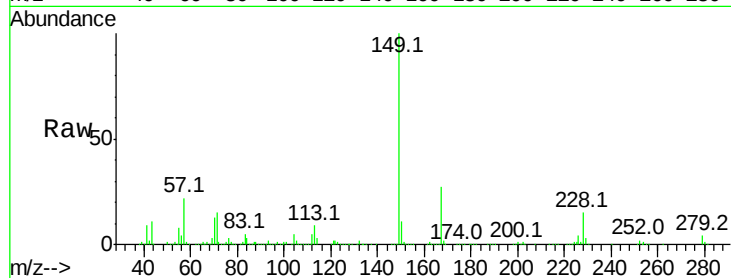
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 50.57 ng  
 RT: 14.04 min Scan# 1041  
 Delta R.T. -0.00 min  
 Lab File: BF082082.D  
 Acq: 6 Oct 2015 14:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85944BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 167     | 27.1  | 24.2 | 36.2  |       |
| 279     | 3.7   | 3.8  | 5.6   |       |

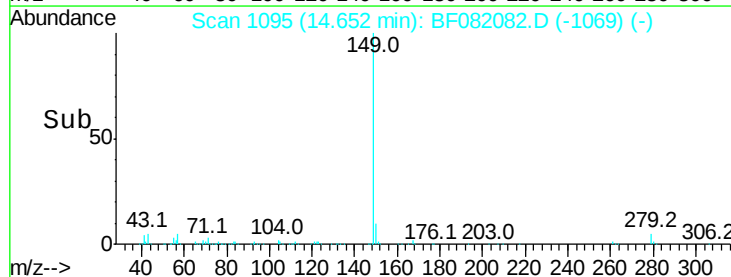
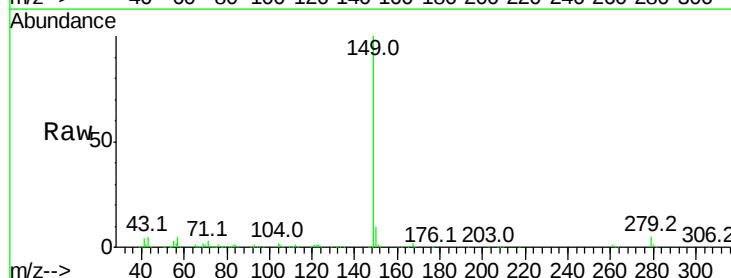
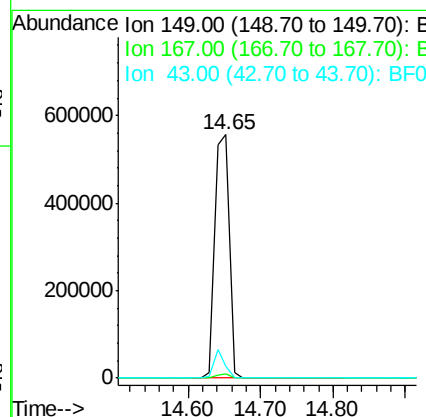
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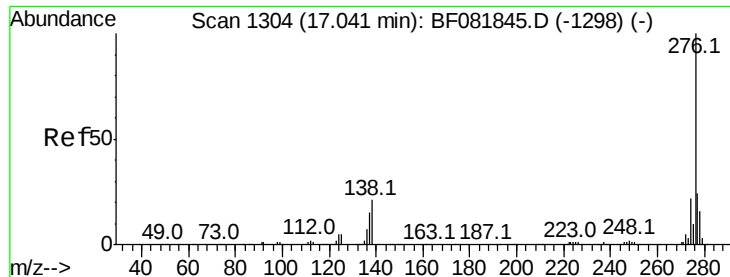
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#84  
 Di-n-octyl phthalate  
 Concen: 50.67 ng  
 RT: 14.65 min Scan# 1095  
 Delta R.T. -0.00 min  
 Lab File: BF082082.D  
 Acq: 6 Oct 2015 14:05

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 167     | 1.5   | 1.0  | 1.6   |       |
| 43      | 8.6   | 10.2 | 15.2  |       |





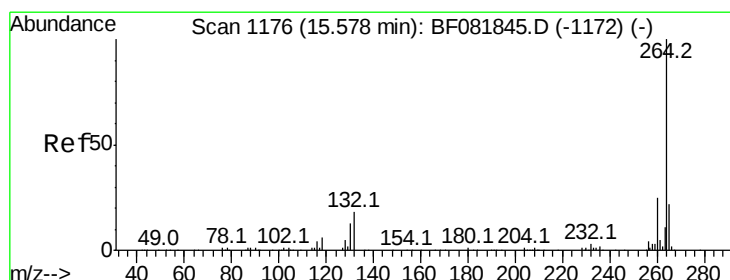
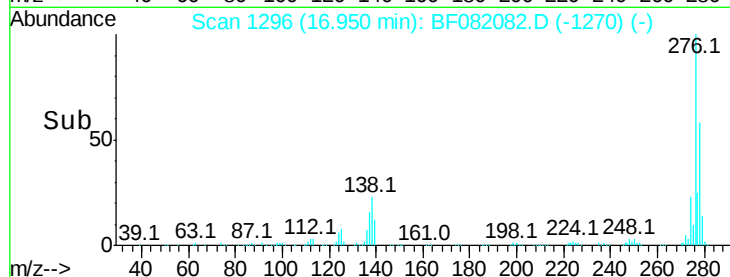
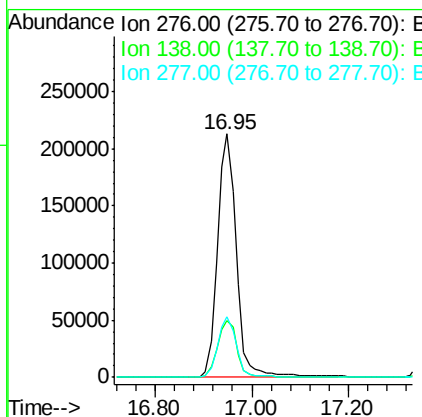
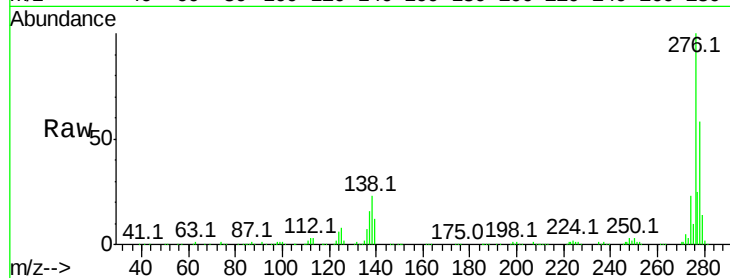
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 41.80 ng  
RT: 16.95 min Scan# 1296  
Delta R.T. -0.00 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

Instrument :  
BNA\_F  
ClientSampleId :  
PB85944BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 24.4  | 25.7  | 38.5# |
| 277     | 24.9  | 15.6  | 23.4# |

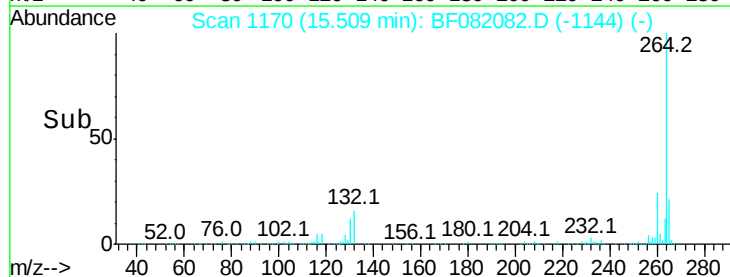
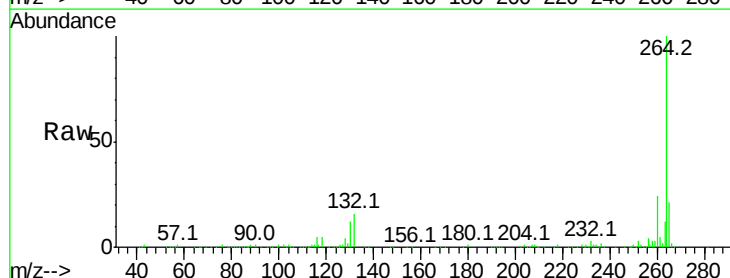
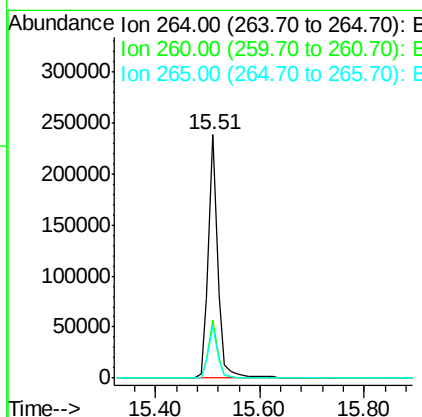
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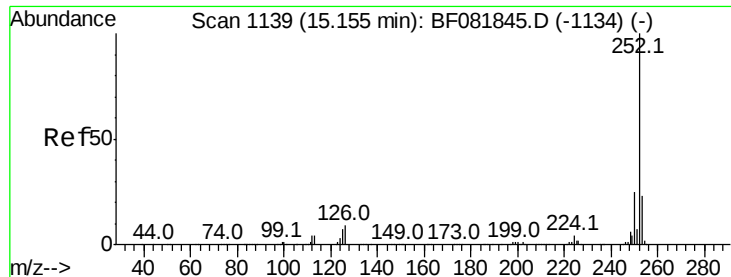
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#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.51 min Scan# 1170  
Delta R.T. -0.00 min  
Lab File: BF082082.D  
Acq: 6 Oct 2015 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 16.7  | 25.1  |
| 265     | 21.3  | 17.2  | 25.8  |





#87

Benzo(b)fluoranthene

Concen: 45.40 ng m

RT: 15.09 min Scan# 1133

Delta R.T. -0.01 min

Lab File: BF082082.D

Acq: 6 Oct 2015 14:05

Instrument :

BNA\_F

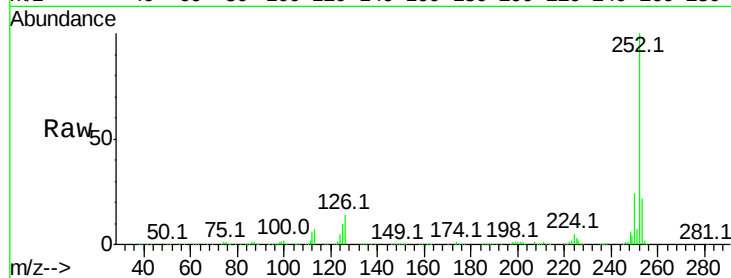
ClientSampleId :

PB85944BS

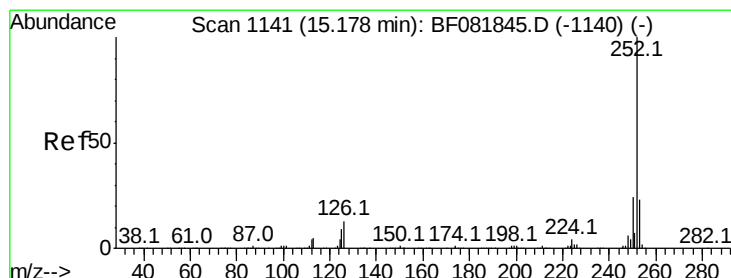
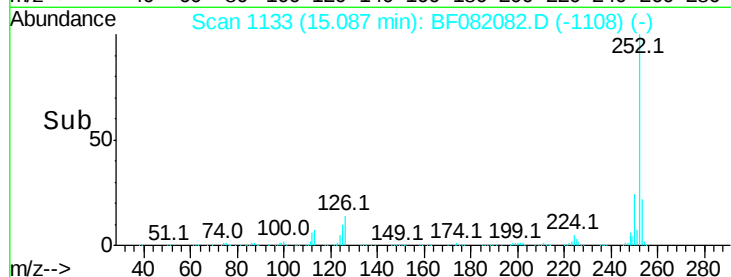
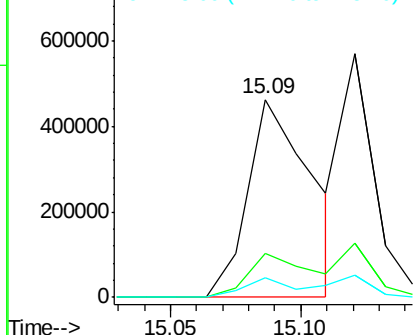
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.4  | 17.5  | 26.3  |
| 125     | 9.8   | 17.1  | 25.7# |

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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



#88

Benzo(k)fluoranthene

Concen: 32.91 ng m

RT: 15.12 min Scan# 1136

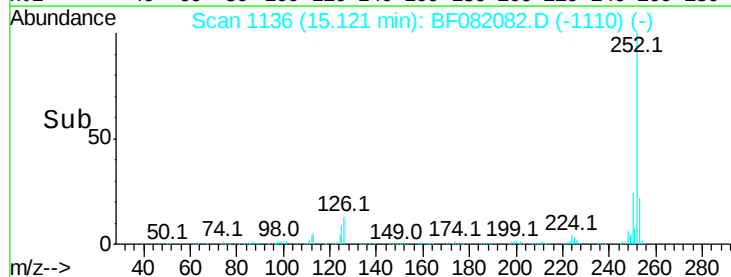
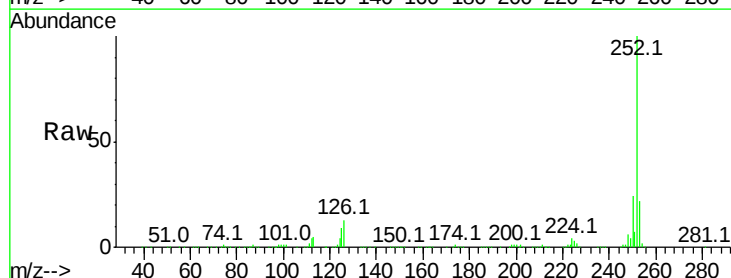
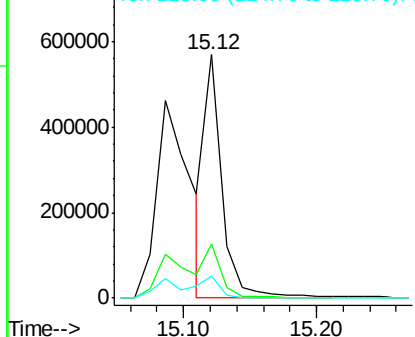
Delta R.T. -0.00 min

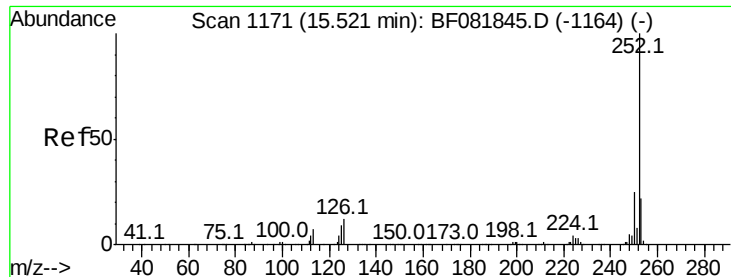
Lab File: BF082082.D

Acq: 6 Oct 2015 14:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.4  | 17.0  | 25.4  |
| 125     | 8.9   | 16.0  | 24.0# |

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





#89

Benzo(a)pyrene

Concen: 41.62 ng

RT: 15.45 min Scan# 1165

Delta R.T. -0.00 min

Lab File: BF082082.D

Acq: 6 Oct 2015 14:05

Instrument :

BNA\_F

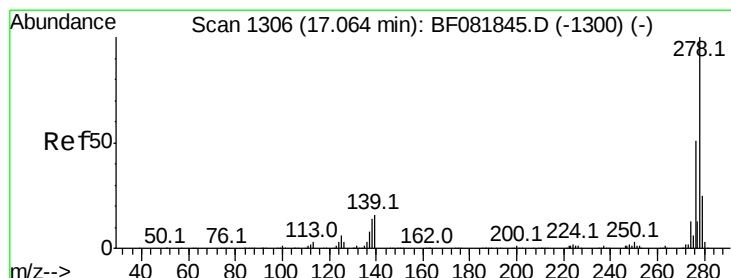
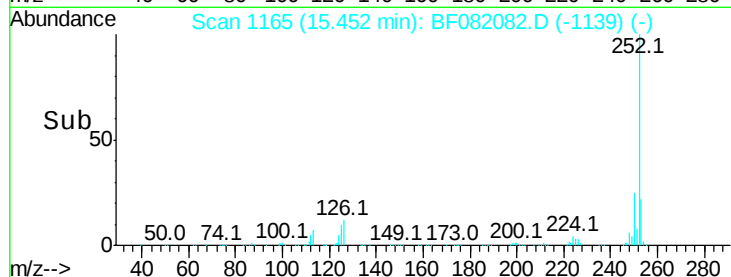
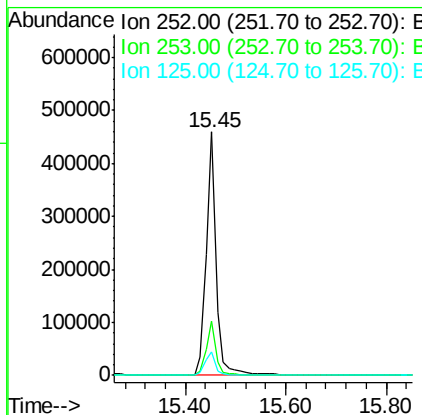
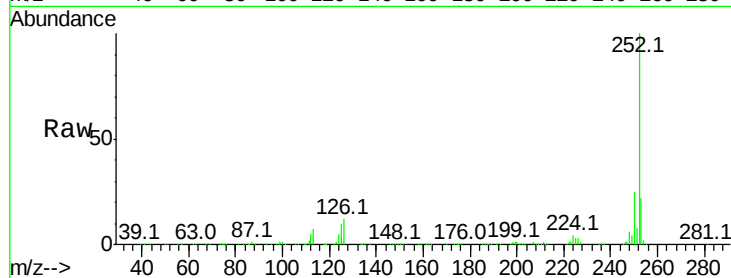
ClientSampleId :

PB85944BS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 252  | Resp: | 625417 |
| Ion Ratio |      | Lower | Upper  |
| 252       | 100  |       |        |
| 253       | 22.2 | 17.2  | 25.8   |
| 125       | 9.5  | 18.0  | 27.0   |

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#90

Dibenzo(a,h)anthracene

Concen: 38.15 ng

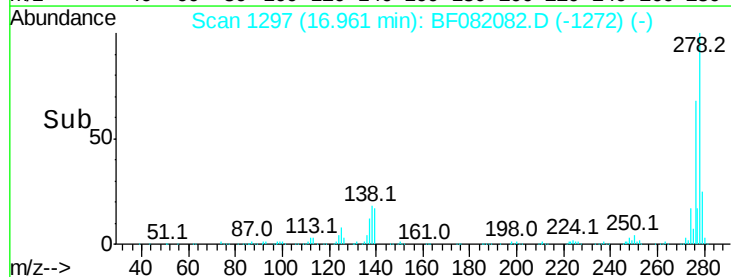
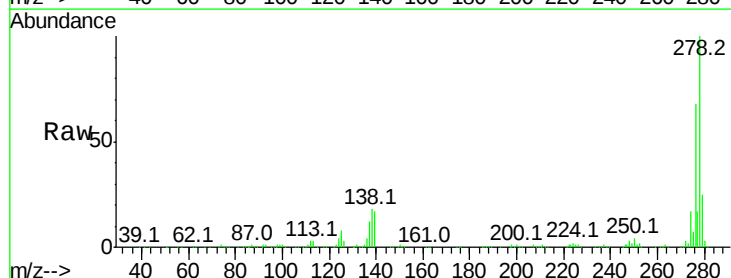
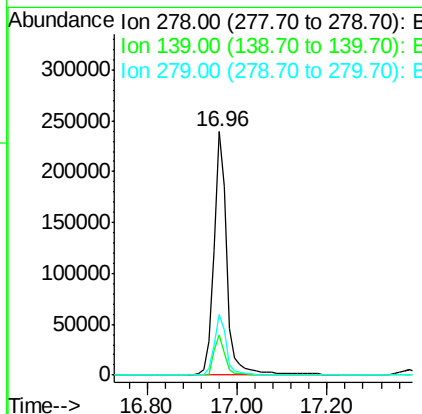
RT: 16.96 min Scan# 1297

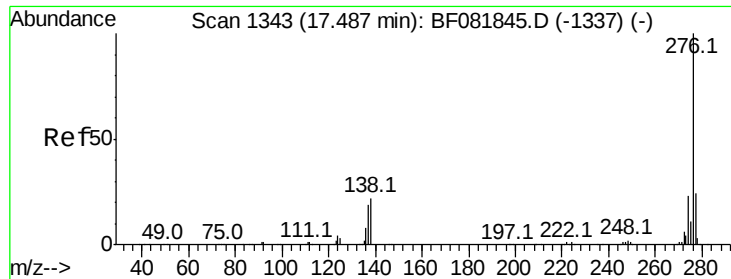
Delta R.T. -0.01 min

Lab File: BF082082.D

Acq: 6 Oct 2015 14:05

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 278  | Resp: | 481027 |
| Ion Ratio |      | Lower | Upper  |
| 278       | 100  |       |        |
| 139       | 16.7 | 26.3  | 39.5   |
| 279       | 24.7 | 18.2  | 27.4   |





#91  
 Benzo(a,h,i)perylene  
 Concen: 36.68 ng  
 RT: 17.38 min Scan# 1334  
 Delta R.T. -0.00 min  
 Lab File: BF082082.D  
 Acq: 6 Oct 2015 14:05

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB85944BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 276     | 100   |            |       |
| 277     | 23.4  | 17.8       | 26.6  |
| 138     | 20.6  | 34.6       | 51.8# |

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