

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\  
 Data File : BF084143.D  
 Acq On : 25 Dec 2015 22:06  
 Operator : UM/SJ  
 Sample : G4960-06  
 Misc :  
 ALS Vial : 60 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PJ-SB-3(16.0-16.5)

Manual Integrations  
 APPROVED

Sohil  
 12/29/2015 9:33:53 AM

Quant Time: Dec 28 13:37:18 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 24 16:48:39 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.81  | 152  | 28604    | 20.00 | ng    | 0.01     |
| 21) Naphthalene-d8        | 8.13  | 136  | 141399   | 20.00 | ng    | 0.05     |
| 38) Acenaphthene-d10      | 9.81  | 164  | 15646    | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 11.45 | 188  | 62293m   | 20.00 | ng    | 0.13     |
| 75) Chrysene-d12          | 13.96 | 240  | 109091   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.39 | 264  | 105517   | 20.00 | ng    | 0.01     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.41  | 112  | 362822   | 215.05 | ng    | 0.00     |
| 7) Phenol-d6                | 6.45  | 99   | 388835   | 186.25 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.38  | 82   | 98124    | 40.62  | ng    | 0.01     |
| 41) 2,4,6-Tribromophenol    | 10.77 | 330  | 63833    | 382.58 | ng    | 0.15     |
| 44) 2-Fluorobiphenyl        | 9.28  | 172  | 196193   | 171.57 | ng    | 0.11     |
| 78) Terphenyl-d14           | 12.93 | 244  | 352274   | 58.43  | ng    | 0.03     |

| Target Compounds               | R.T.  | QIon | Response | Conc    | Units | Qvalue |
|--------------------------------|-------|------|----------|---------|-------|--------|
| 6) Aniline                     | 6.48  | 93   | 8667     | 3.28    | ng    | # 1    |
| 9) Benzaldehyde                | 6.33  | 77   | 9792     | 8.77    | ng    | # 6    |
| 10) Phenol                     | 6.48  | 94   | 6880     | 2.88    | ng    | # 1    |
| 15) Benzyl Alcohol             | 7.00  | 79   | 17141    | 10.84   | ng    | # 40   |
| 18) Hexachloroethane           | 7.39  | 117  | 872774   | 1038.93 | ng    | # 37   |
| 19) n-Nitroso-di-n-propylamine | 7.18  | 70   | 122772   | 95.48   | ng    | # 75   |
| 20) 3+4-Methylphenols          | 7.29  | 107  | 7363     | 3.59    | ng    | # 1    |
| 22) Acetophenone               | 7.36  | 105  | 69436    | 19.65   | ng    | # 8    |
| 24) Nitrobenzene               | 7.36  | 77   | 47265    | 18.43   | ng    | # 48   |
| 25) Isophorone                 | 7.74  | 82   | 521821   | 116.78  | ng    | # 1    |
| 26) 2-Nitrophenol              | 7.88  | 139  | 219953   | 167.56  | ng    | # 1    |
| 27) 2,4-Dimethylphenol         | 7.80  | 122  | 24431    | 11.21   | ng    | # 1    |
| 28) bis(2-Chloroethoxy)methane | 7.76  | 93   | 73582    | 28.25   | ng    | # 1    |
| 29) 2,4-Dichlorophenol         | 8.09  | 162  | 209562   | 103.56  | ng    | # 1    |
| 30) 1,2,4-Trichlorobenzene     | 8.03  | 180  | 12155    | 5.48    | ng    | # 82   |
| 31) Naphthalene                | 8.18  | 128  | 431051   | 57.30   | ng    | # 1    |
| 32) Benzoic acid               | 7.80  | 122  | 24431    | 23.39   | ng    | # 1    |
| 33) 4-Chloroaniline            | 8.17  | 127  | 194816   | 65.08   | ng    | # 1    |
| 35) Caprolactam                | 8.66  | 113  | 341961   | 609.37  | ng    | # 1    |
| 36) 4-Chloro-3-methylphenol    | 8.70  | 107  | 68570    | 30.14   | ng    | # 32   |
| 37) 2-Methylnaphthalene        | 8.94  | 142  | 2421759  | 514.26  | ng    | # 87   |
| 42) 2,4,6-Trichlorophenol      | 9.05  | 196  | 32294    | 100.42  | ng    | # 15   |
| 43) 2,4,5-Trichlorophenol      | 9.05  | 196  | 32294    | 100.33  | ng    | # 1    |
| 45) 1,1'-Biphenyl              | 9.07  | 154  | 54290    | 38.41   | ng    | # 7    |
| 46) 2-Chloronaphthalene        | 9.15  | 162  | 6106     | 5.68    | ng    | # 1    |
| 47) 2-Nitroaniline             | 9.34  | 65   | 12469    | 43.67   | ng    | # 62   |
| 48) Acenaphthylene             | 9.61  | 152  | 652818   | 369.91  | ng    | # 1    |
| 49) Dimethylphthalate          | 9.55  | 163  | 12001    | 9.26    | ng    | # 12   |
| 50) 2,6-Dinitrotoluene         | 9.63  | 165  | 5969     | 21.70   | ng    | # 1    |
| 51) Acenaphthene               | 9.85  | 154  | 26909    | 26.22   | ng    | # 1    |
| 52) 3-Nitroaniline             | 9.79  | 138  | 16133    | 54.65   | ng    | # 60   |
| 53) 2,4-Dinitrophenol          | 9.97  | 184  | 6934     | 69.02   | ng    | # 1    |
| 54) Dibenzofuran               | 10.03 | 168  | 334101   | 236.69  | ng    | # 25   |
| 55) 4-Nitrophenol              | 10.02 | 139  | 148667   | 986.74  | ng    | # 29   |

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\  
 Data File : BF084143.D  
 Acq On : 25 Dec 2015 22:06  
 Operator : UM/SJ  
 Sample : G4960-06  
 Misc :  
 ALS Vial : 60 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PJ-SB-3(16.0-16.5)

Manual Integrations  
 APPROVED

Sohil  
 12/29/2015 9:33:53 AM

Quant Time: Dec 28 13:37:18 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 24 16:48:39 2015  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 56) 2,4-Dinitrotoluene         | 10.03 | 165  | 213618   | 588.33 | nq    | # 63     |
| 57) Fluorene                   | 10.41 | 166  | 52638    | 43.88  | nq    | # 1      |
| 58) 2,3,4,6-Tetrachlorophenol  | 10.11 | 232  | 9333     | 40.67  | nq    | # 1      |
| 59) Diethylphthalate           | 10.27 | 149  | 24266    | 18.44  | nq    | # 1      |
| 60) 4-Chlorophenyl-phenylether | 10.35 | 204  | 89109    | 161.05 | nq    | # 1      |
| 61) 4-Nitroaniline             | 10.42 | 138  | 42132    | 154.43 | nq    | # 87     |
| 62) Azobenzene                 | 10.68 | 77   | 35895    | 33.10  | nq    | # 1      |
| 64) 4,6-Dinitro-2-methylphenol | 10.44 | 198  | 4639     | 13.42  | nq    | # 1      |
| 65) n-Nitrosodiphenylamine     | 10.40 | 169  | 166871   | 75.15  | nq    | # 53     |
| 66) 4-Bromophenyl-phenylether  | 10.78 | 248  | 10846    | 15.03  | nq    | # 1      |
| 68) Atrazine                   | 10.96 | 200  | 10448    | 15.62  | nq    | # 1      |
| 69) Pentachlorophenol          | 11.10 | 266  | 26938    | 101.38 | nq    | # 38     |
| 70) Phenanthrene               | 11.47 | 178  | 1867916m | 505.81 | nq    | #        |
| 71) Anthracene                 | 11.47 | 178  | 1843995  | 477.53 | nq    | # 88     |
| 72) Carbazole                  | 11.49 | 167  | 155386   | 47.30  | nq    | # 21     |
| 74) Fluoranthene               | 12.59 | 202  | 155897   | 39.36  | nq    | # 82     |
| 76) Benzidine                  | 12.63 | 184  | 14648    | 3.95   | nq    | # 1      |
| 77) Pyrene                     | 12.81 | 202  | 306049   | 32.52  | nq    | # 90     |
| 80) Benzo(a)anthracene         | 13.96 | 228  | 39712    | 5.92   | nq    | # 74     |
| 82) Chrysene                   | 13.96 | 228  | 39712    | 6.42   | nq    | # 79     |
| 87) Benzo(b)fluoranthene       | 14.99 | 252  | 25559    | 3.26   | nq    | # 21     |
| 88) Benzo(k)fluoranthene       | 14.99 | 252  | 25559    | 4.81   | nq    | # 20     |

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

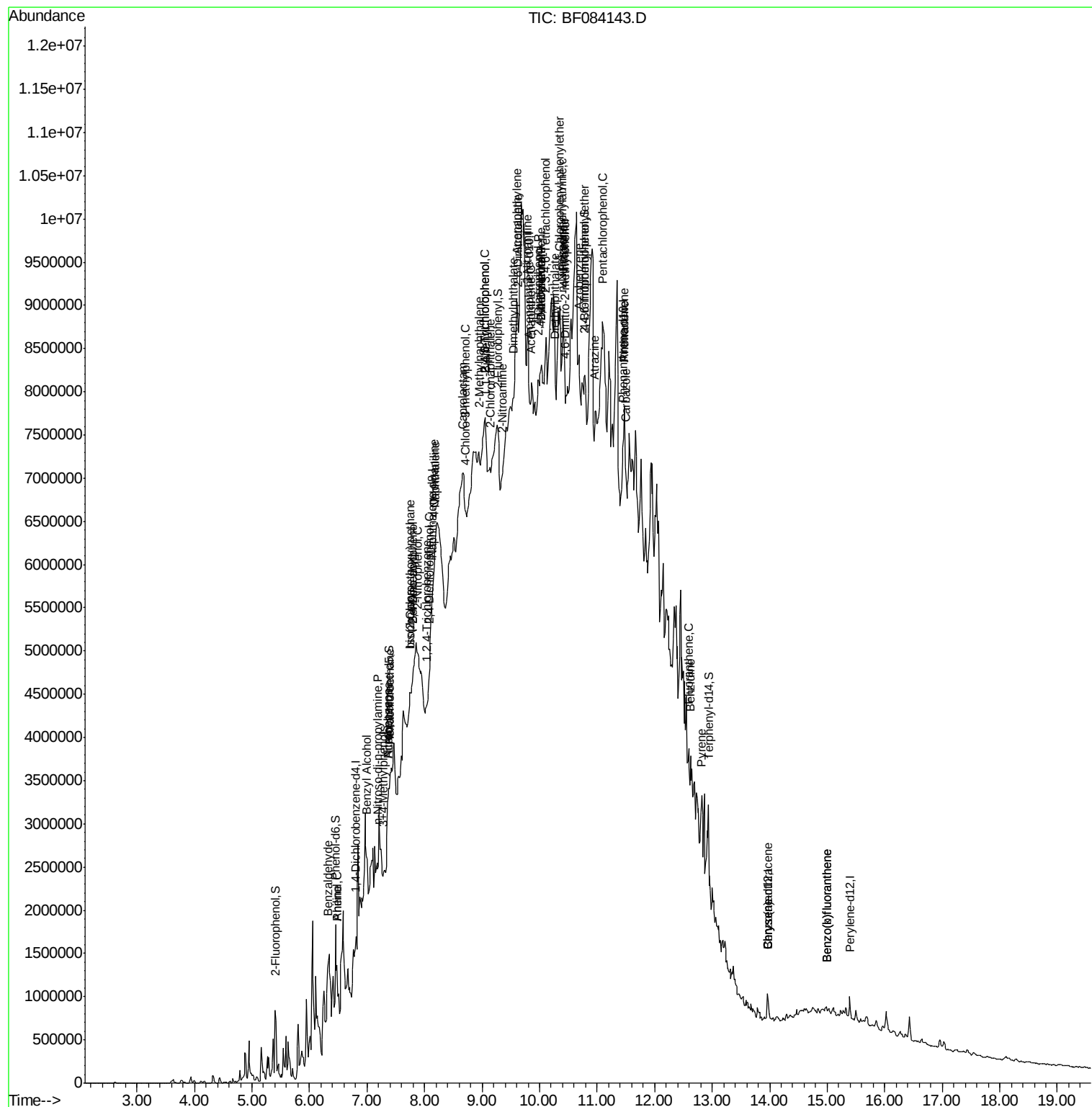
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122515\  
Data File : BF084143.D  
Acq On : 25 Dec 2015 22:06  
Operator : UM/SJ  
Sample : G4960-06  
Misc :  
ALS Vial : 60 Sample Multiplier: 1

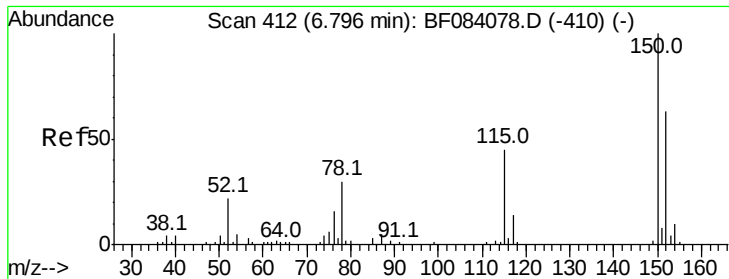
Instrument :  
BNA\_F  
ClientSampleId :  
PJ-SB-3(16.0-16.5)

Manual Integrations  
APPROVED

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12/29/2015 9:33:53 AM

Quant Time: Dec 28 13:37:18 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Dec 24 16:48:39 2015  
Response via : Initial Calibration





#1

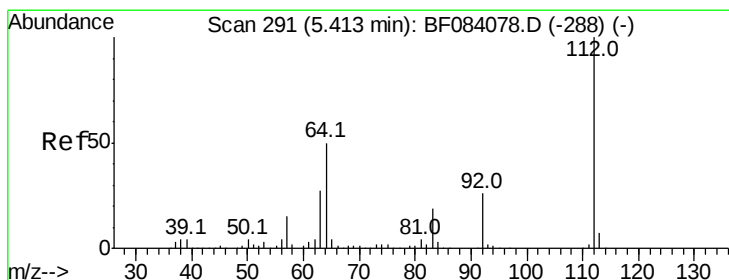
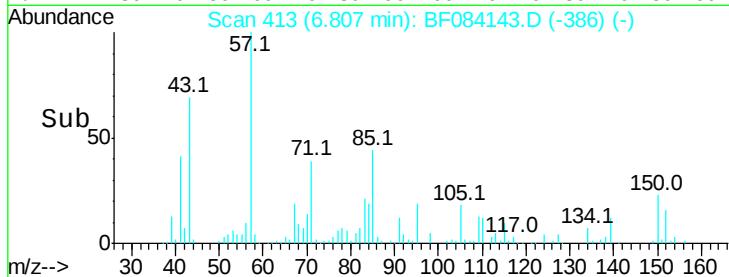
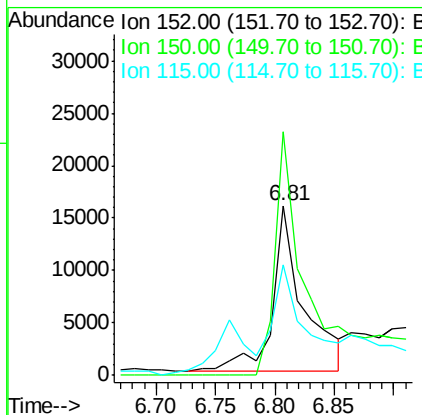
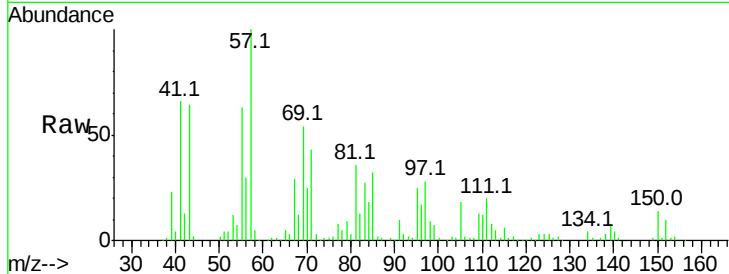
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.81 min Scan# 413  
Delta R.T. 0.01 min  
Lab File: BF084143.D  
Acq: 25 Dec 2015 22:06

Instrument :  
BNA\_F  
ClientSampleId :  
PJ-SB-3(16.0-16.5)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 143.6 | 123.0 | 184.4 |
| 115     | 65.1  | 51.4  | 77.2  |

Manual Integrations  
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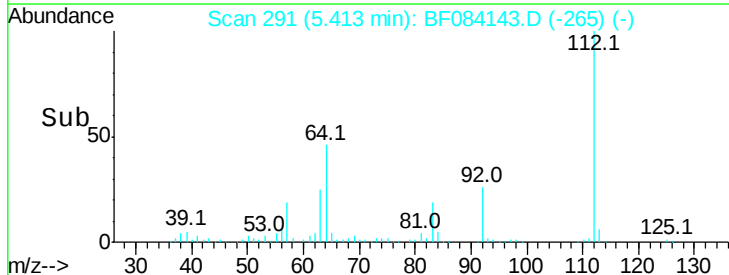
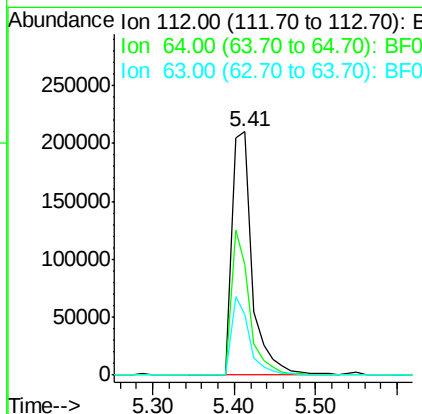
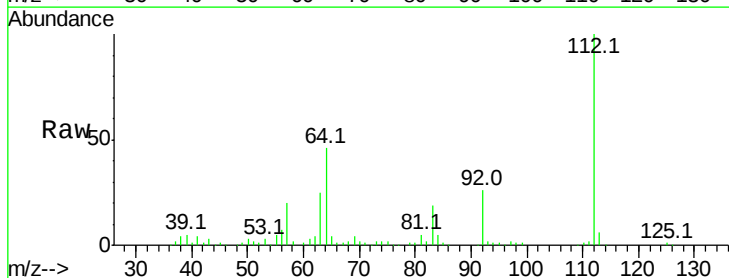
Sohil  
12/29/2015 9:33:53 AM

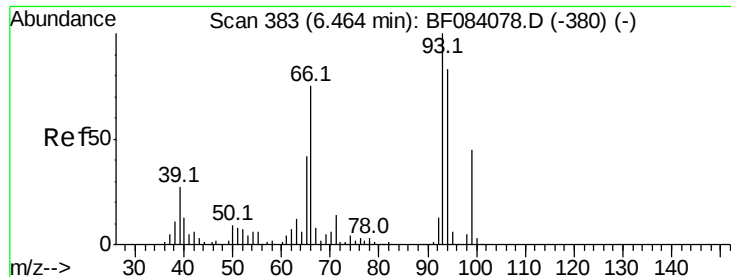


#5

2-Fluorophenol  
Concen: 215.05 ng  
RT: 5.41 min Scan# 291  
Delta R.T. 0.00 min  
Lab File: BF084143.D  
Acq: 25 Dec 2015 22:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 45.5  | 36.6  | 55.0  |
| 63      | 24.8  | 19.4  | 29.0  |





#6

Aniline

Concen: 3.28 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.01 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

Instrument :

BNA\_F

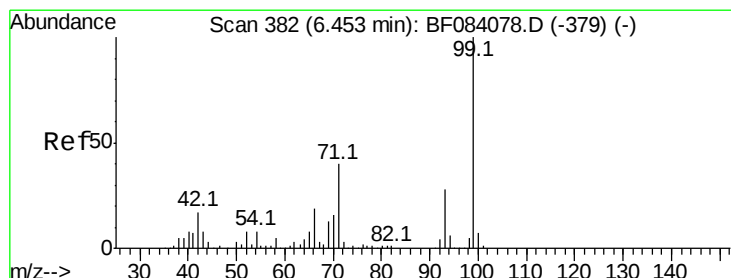
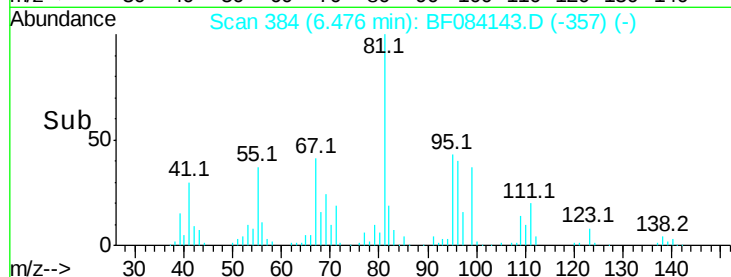
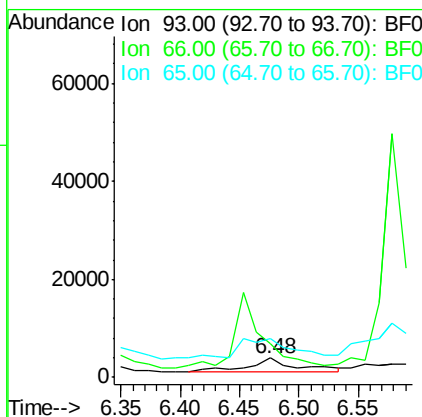
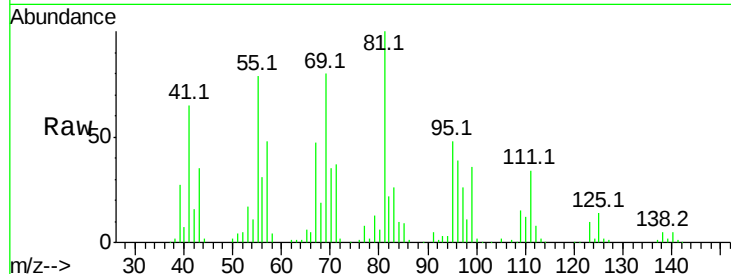
ClientSampleId :

PJ-SB-3(16.0-16.5)

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 93    | Resp: | 8667  |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 66        | 173.1 | 44.9  | 67.3# |
| 65        | 200.3 | 23.7  | 35.5# |

Manual Integrations  
APPROVED

Sohil  
12/29/2015 9:33:53 AM



#7

Phenol-d6

Concen: 186.25 ng

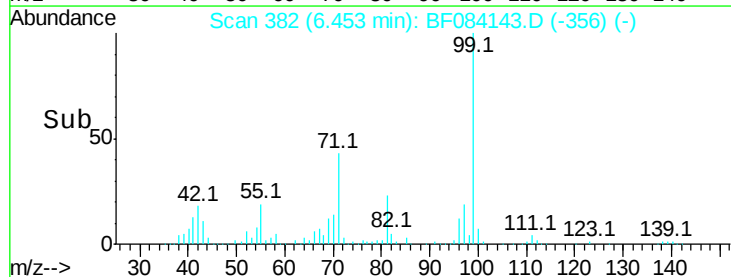
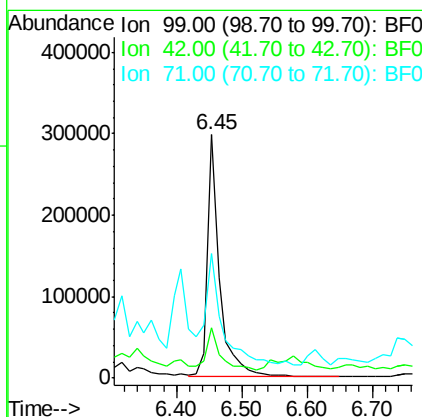
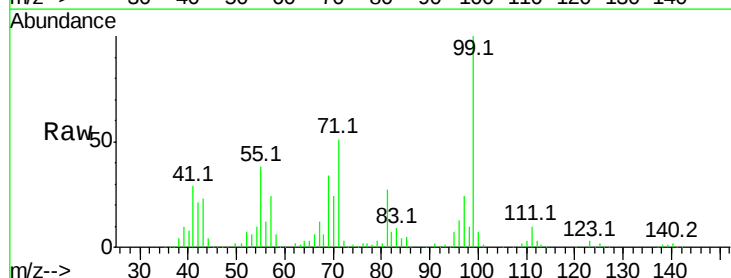
RT: 6.45 min Scan# 382

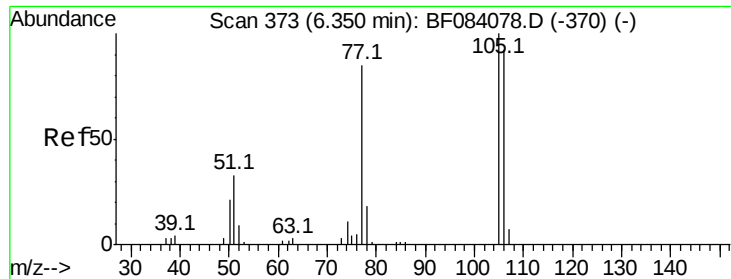
Delta R.T. 0.00 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 99    | Resp: | 388835 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 20.8  | 12.8  | 19.2#  |
| 71        | 51.3  | 30.9  | 46.3#  |





#9

Benzaldehyde

Concen: 8.77 ng

RT: 6.33 min Scan# 371

Delta R.T. -0.02 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

Instrument :

BNA\_F

ClientSampleId :

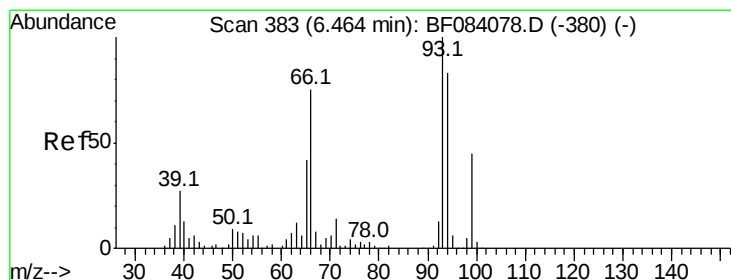
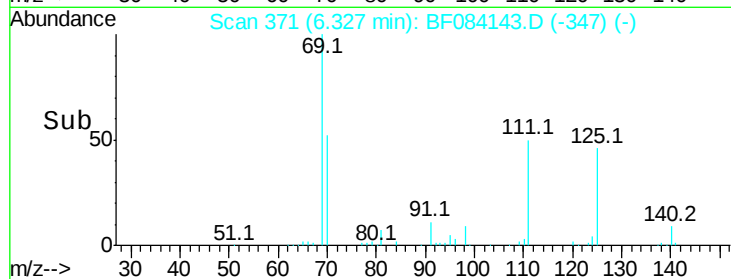
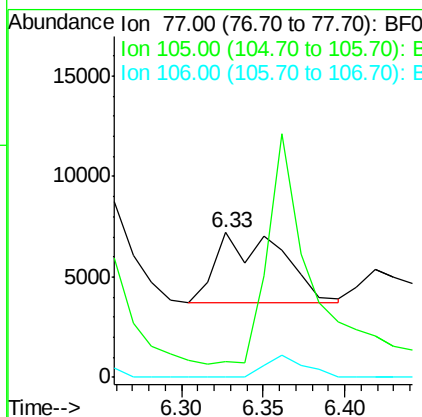
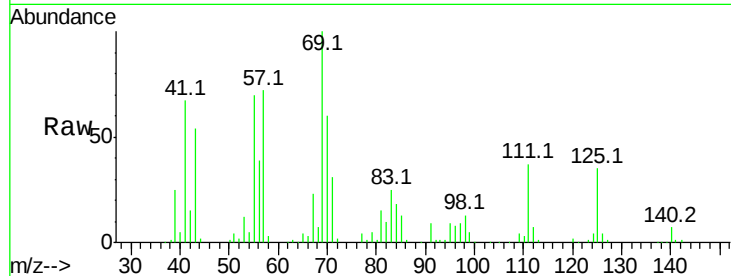
PJ-SB-3(16.0-16.5)

Tot Ion: 77 Resp: 9792

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 77  | 100   |       |        |
| 105 | 10.6  | 83.0  | 123.0# |
| 106 | 0.0   | 74.6  | 114.6# |

Manual Integrations  
APPROVED

Sohil  
12/29/2015 9:33:53 AM



#10

Phenol

Concen: 2.88 ng

RT: 6.48 min Scan# 384

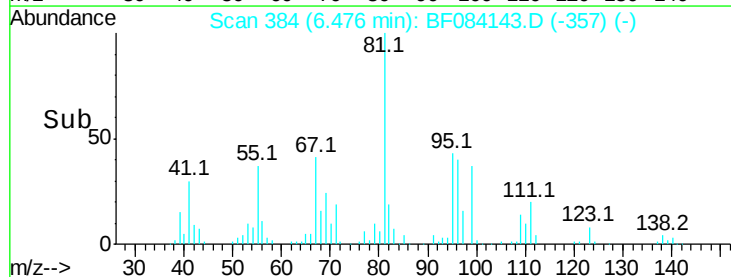
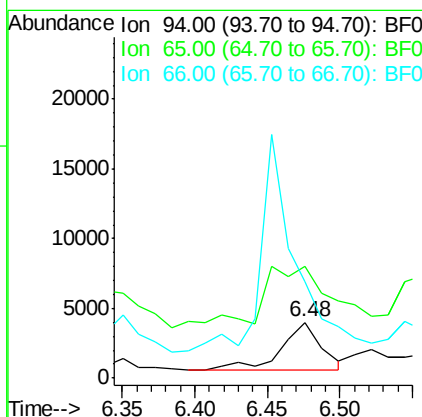
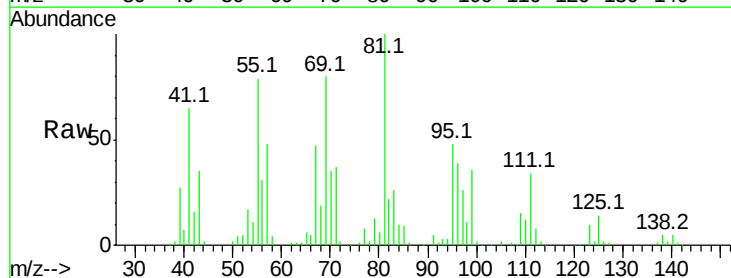
Delta R.T. 0.01 min

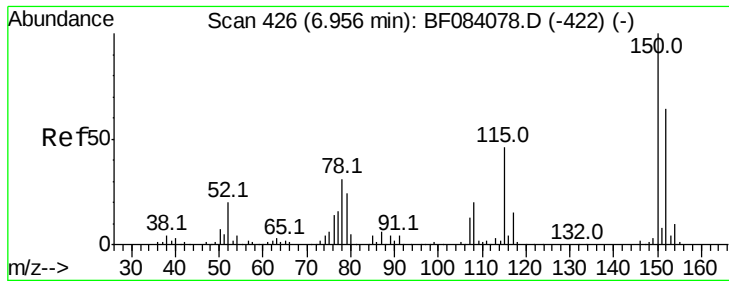
Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

Tgt Ion: 94 Resp: 6880

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 201.1 | 12.9  | 52.9# |
| 66  | 173.8 | 32.7  | 72.7# |





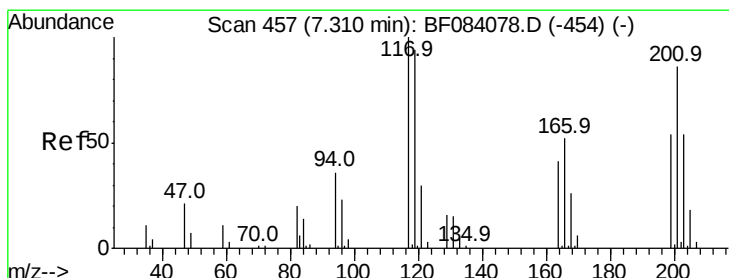
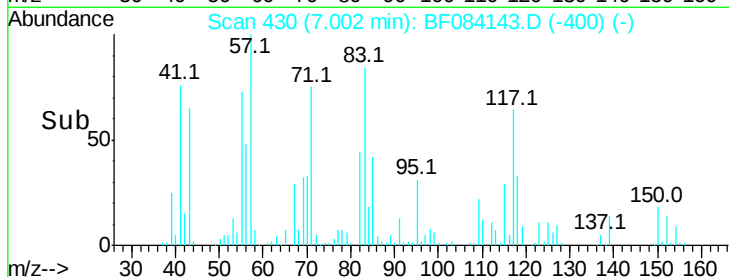
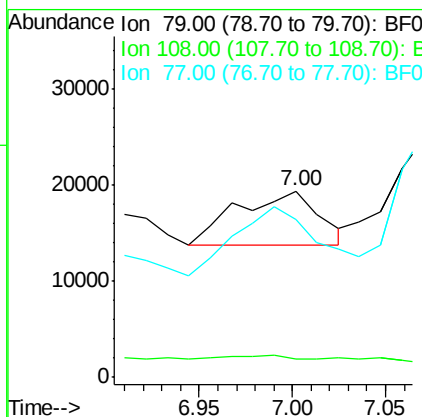
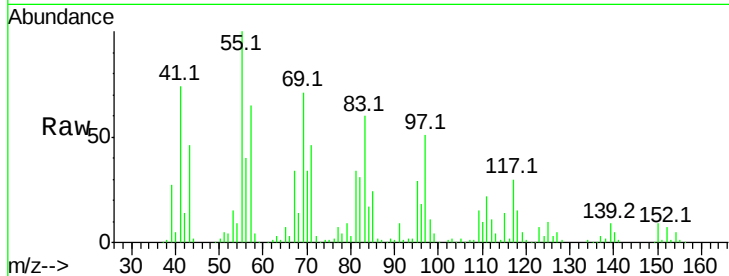
#15  
Benzyl Alcohol  
Concen: 10.84 ng  
RT: 7.00 min Scan# 430  
Delta R.T. 0.05 min  
Lab File: BF084143.D  
Acq: 25 Dec 2015 22:06

Instrument :  
BNA\_F  
ClientSampleId :  
PJ-SB-3(16.0-16.5)

Tot Ion: 79 Resp: 17141  
Ion Ratio Lower Upper  
79 100  
108 9.7 69.0 103.4#  
77 84.8 50.0 75.0#

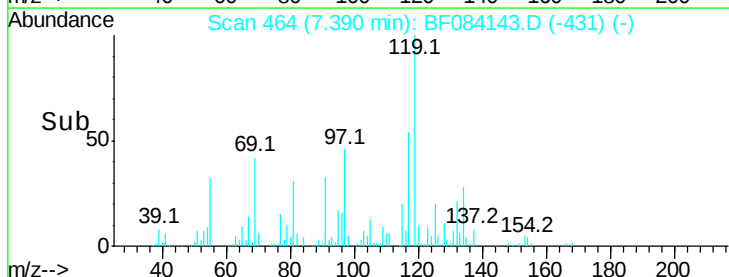
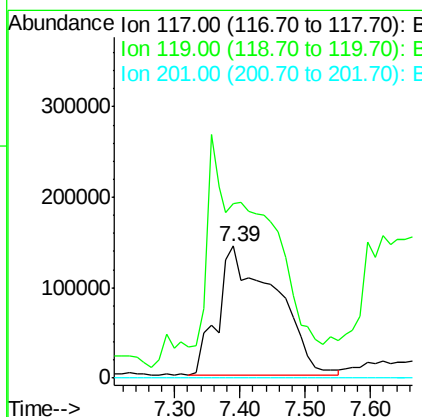
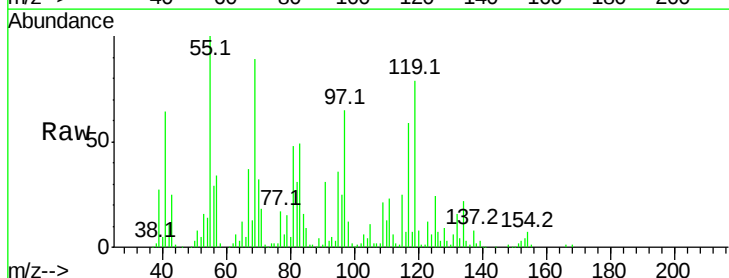
Manual Integrations  
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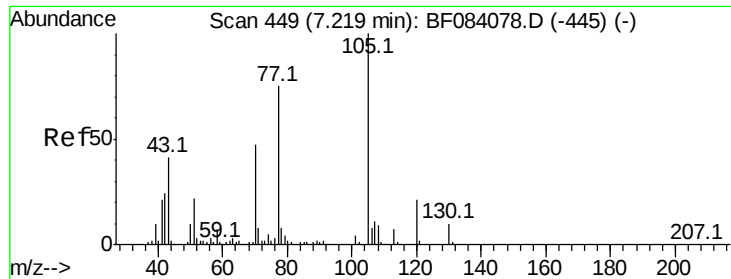
Sohil  
12/29/2015 9:33:53 AM



#18  
Hexachloroethane  
Concen: 1038.93 ng  
RT: 7.39 min Scan# 464  
Delta R.T. 0.08 min  
Lab File: BF084143.D  
Acq: 25 Dec 2015 22:06

Tgt Ion: 117 Resp: 872774  
Ion Ratio Lower Upper  
117 100  
119 132.5 77.4 116.0#  
201 0.0 68.6 103.0#





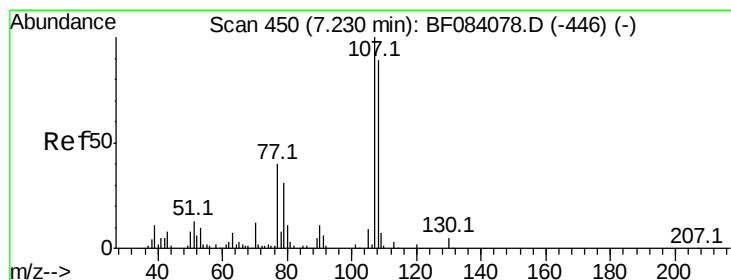
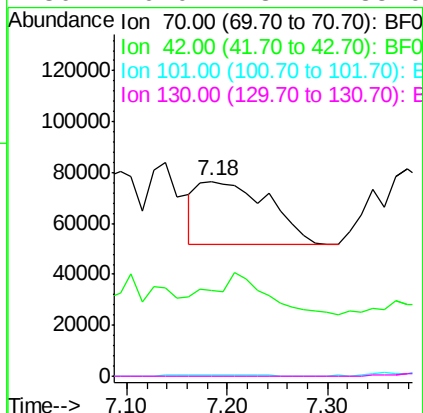
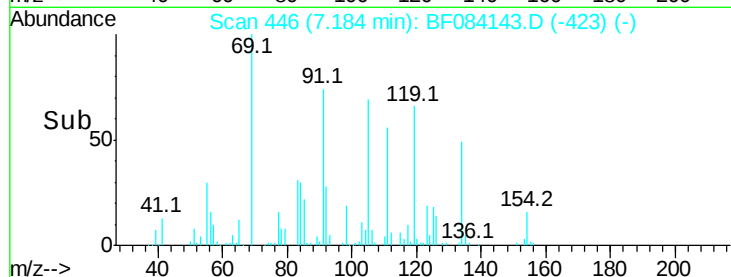
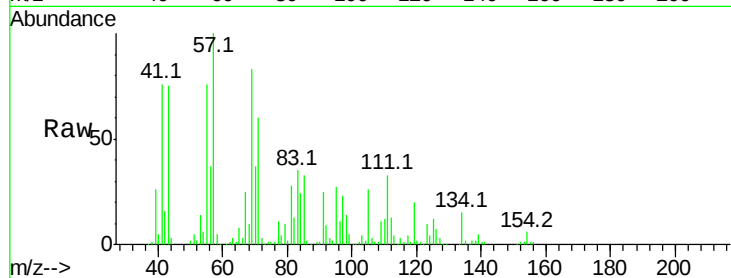
#19  
n-Nitroso-di-n-propylamine  
Concen: 95.48 ng  
RT: 7.18 min Scan# 446  
Delta R.T. -0.03 min  
Lab File: BF084143.D  
Acq: 25 Dec 2015 22:06

Instrument :  
BNA\_F  
ClientSampleId :  
PJ-SB-3(16.0-16.5)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 70      | 100   |       |       |
| 42      | 43.6  | 33.3  | 49.9  |
| 101     | 0.7   | 9.3   | 13.9# |
| 130     | 0.0   | 23.4  | 35.0# |

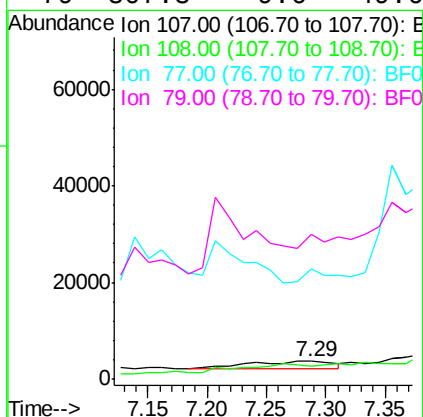
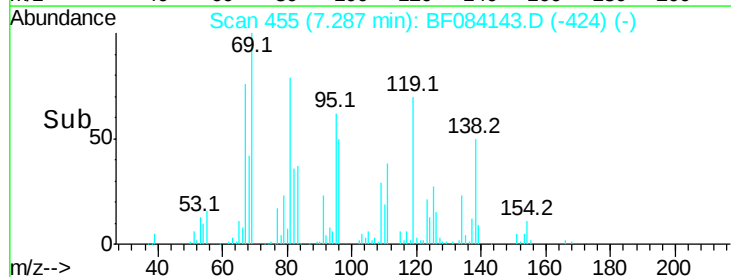
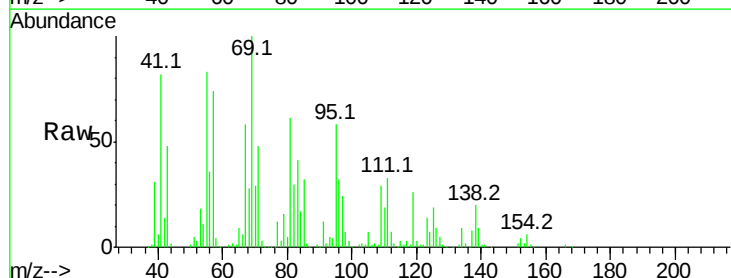
Manual Integrations  
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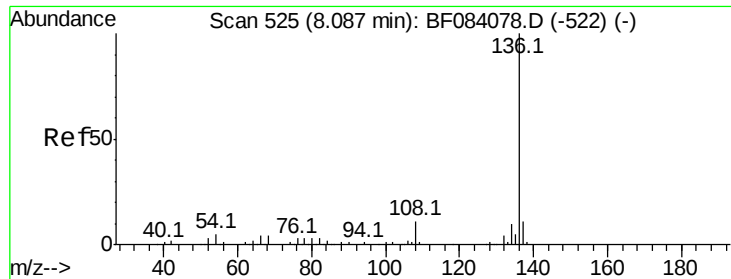
Sohil  
12/29/2015 9:33:53 AM



#20  
3+4-Methylphenols  
Concen: 3.59 ng  
RT: 7.29 min Scan# 455  
Delta R.T. 0.06 min  
Lab File: BF084143.D  
Acq: 25 Dec 2015 22:06

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 107     | 100   |       |        |
| 108     | 74.0  | 64.1  | 104.1  |
| 77      | 615.6 | 128.9 | 168.9# |
| 79      | 807.8 | 9.6   | 49.6#  |





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 529

Delta R.T. 0.05 min

Lab File: BF084143.D

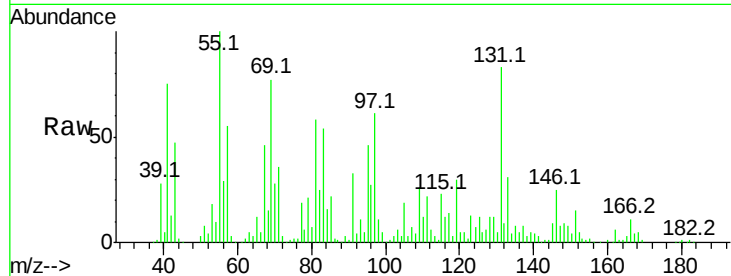
Acq: 25 Dec 2015 22:06

Instrument :

BNA\_F

ClientSampleId :

PJ-SB-3(16.0-16.5)



Tot Ion:136 Resp: 141399

Ion Ratio Lower Upper

136 100

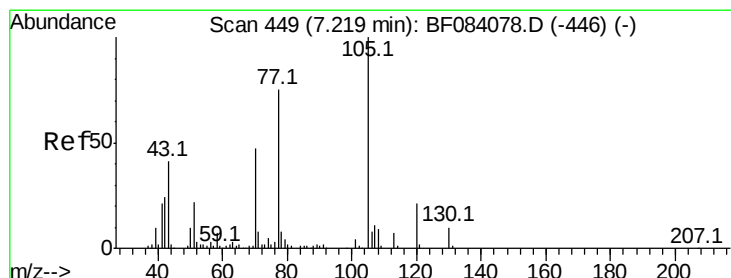
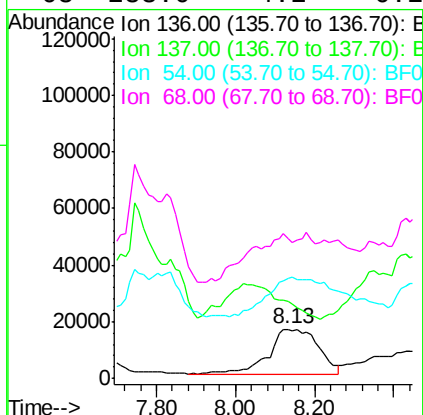
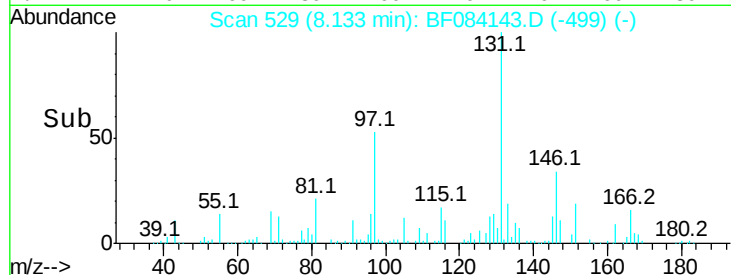
137 156.6 8.7 13.1#

54 202.3 5.8 8.8#

68 283.0 4.2 6.2#

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#22

Acetophenone

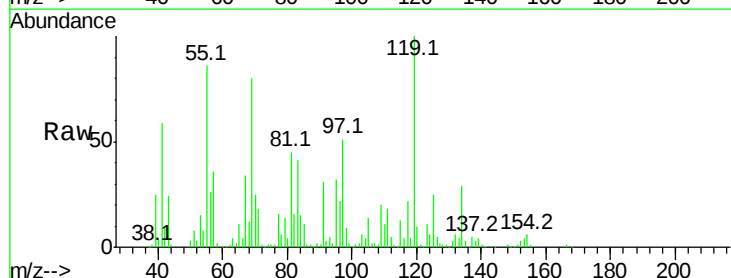
Concen: 19.65 ng

RT: 7.36 min Scan# 461

Delta R.T. 0.14 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06



Tgt Ion:105 Resp: 69436

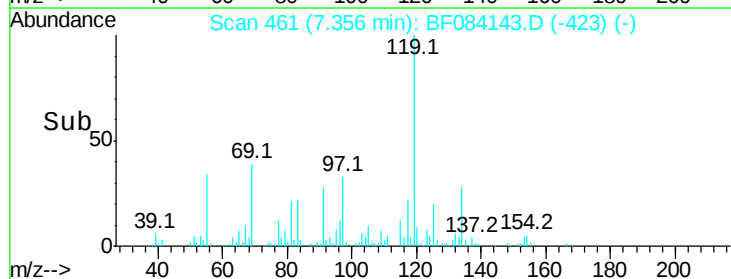
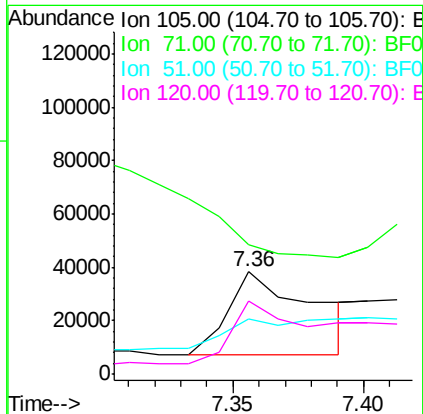
Ion Ratio Lower Upper

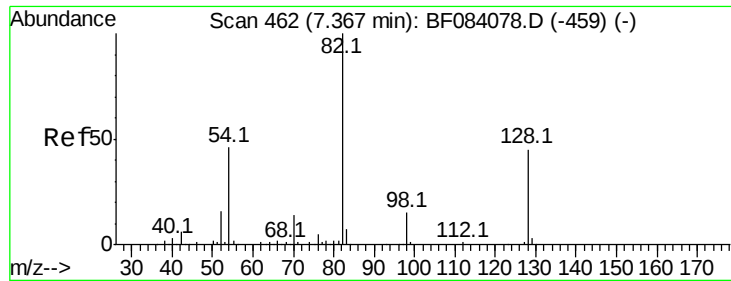
105 100

71 127.2 3.7 5.5#

51 53.4 25.1 37.7#

120 71.7 16.6 25.0#





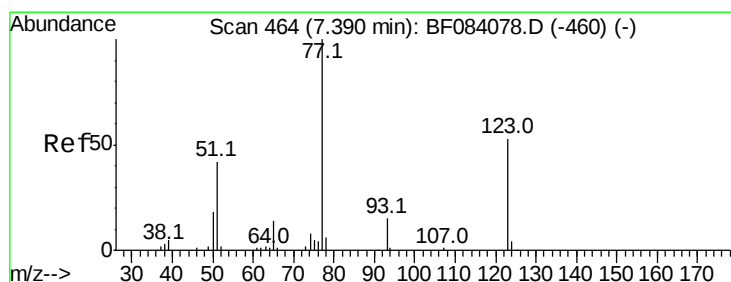
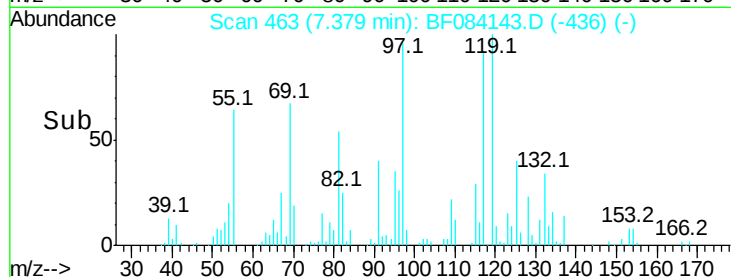
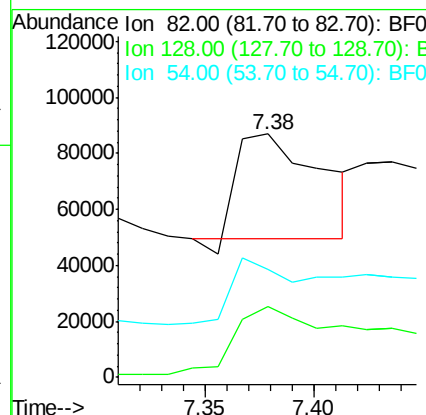
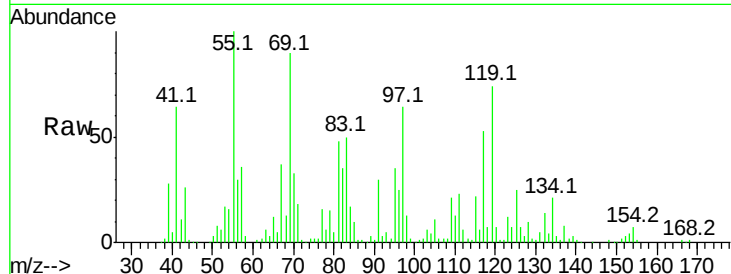
#23  
Nitrobenzene-d5  
Concen: 40.62 ng  
RT: 7.38 min Scan# 463  
Delta R.T. 0.01 min  
Lab File: BF084143.D  
Acq: 25 Dec 2015 22:06

Instrument :  
BNA\_F  
ClientSampleId :  
PJ-SB-3(16.0-16.5)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 28.9  | 34.6  | 51.8# |
| 54      | 44.5  | 38.4  | 57.6  |

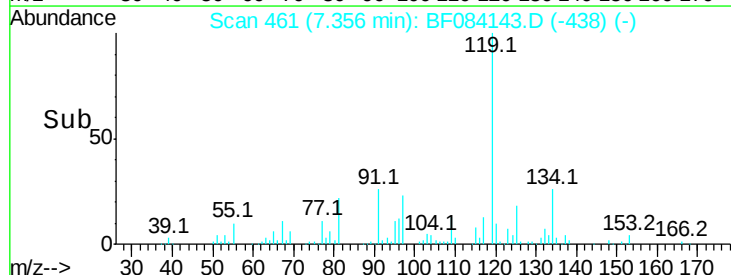
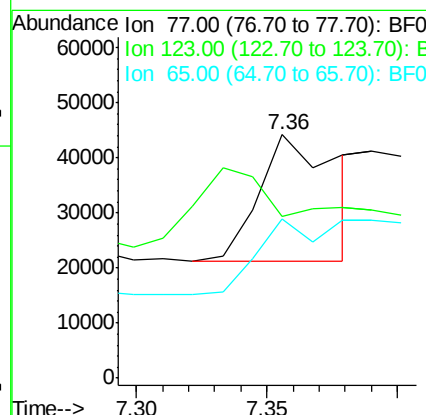
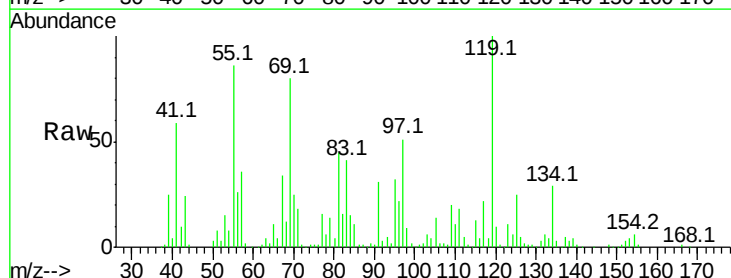
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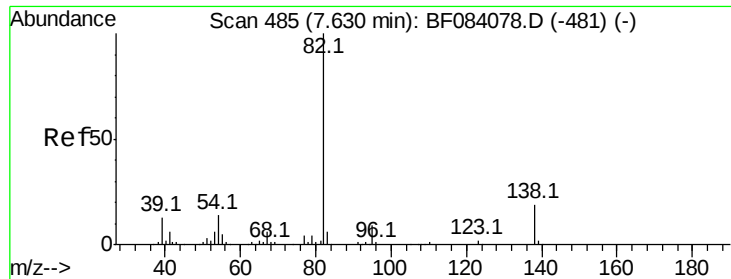
Sohil  
12/29/2015 9:33:53 AM



#24  
Nitrobenzene  
Concen: 18.43 ng  
RT: 7.36 min Scan# 461  
Delta R.T. -0.03 min  
Lab File: BF084143.D  
Acq: 25 Dec 2015 22:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 66.3  | 37.4  | 56.2# |
| 65      | 65.5  | 10.9  | 16.3# |





#25

Isophorone

Concen: 116.78 ng

RT: 7.74 min Scan# 495

Delta R.T. 0.11 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

Instrument :

BNA\_F

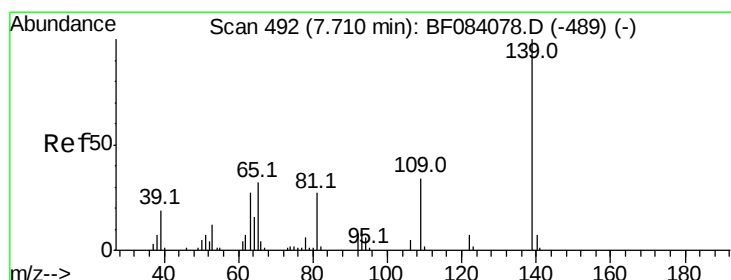
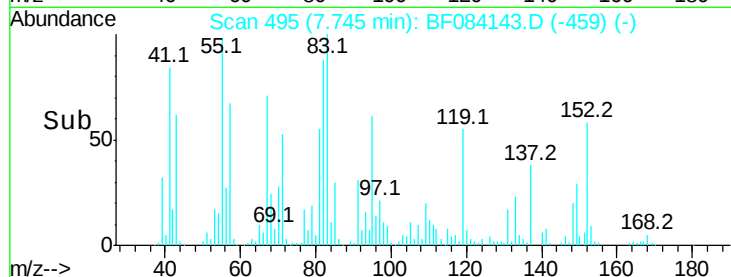
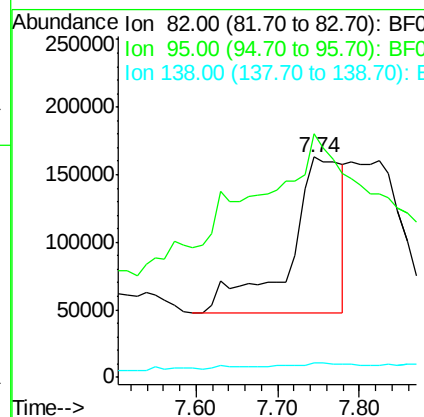
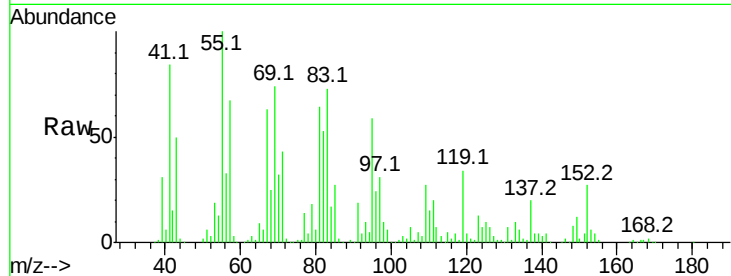
ClientSampleId :

PJ-SB-3(16.0-16.5)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 521821 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 110.6 | 6.6   | 10.0#  |
| 138       | 6.6   | 13.6  | 20.4#  |

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#26

2-Nitrophenol

Concen: 167.56 ng

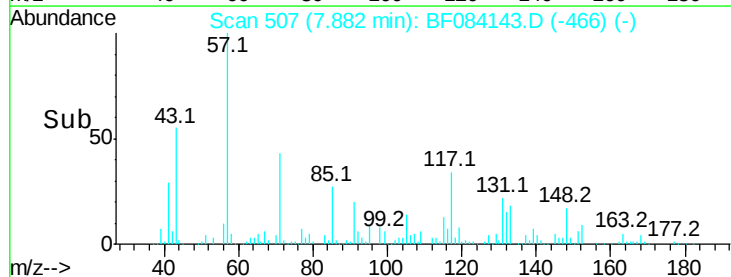
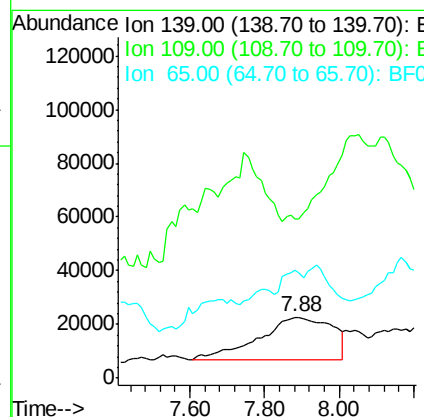
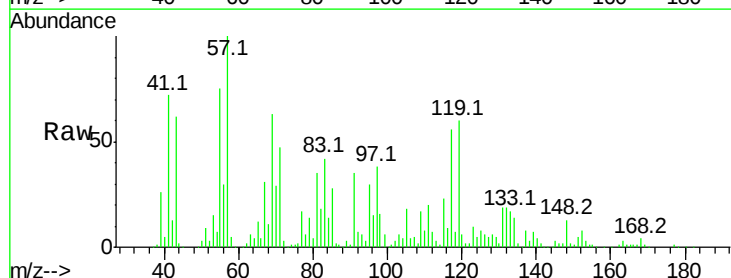
RT: 7.88 min Scan# 507

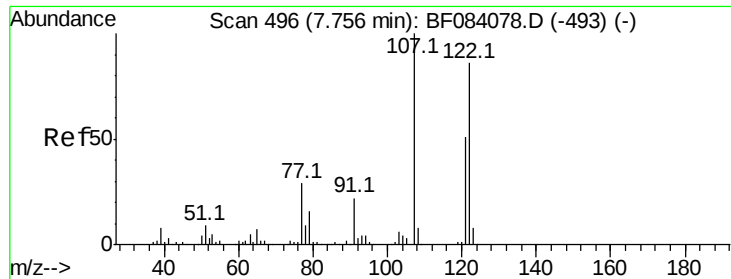
Delta R.T. 0.17 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 219953 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 261.6 | 25.4  | 38.2#  |
| 65        | 176.3 | 32.3  | 48.5#  |





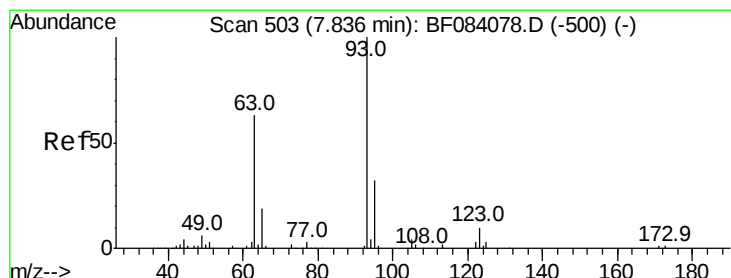
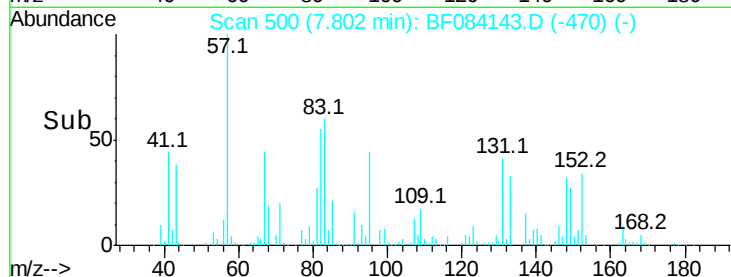
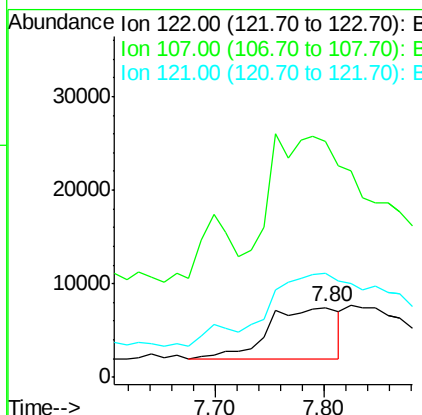
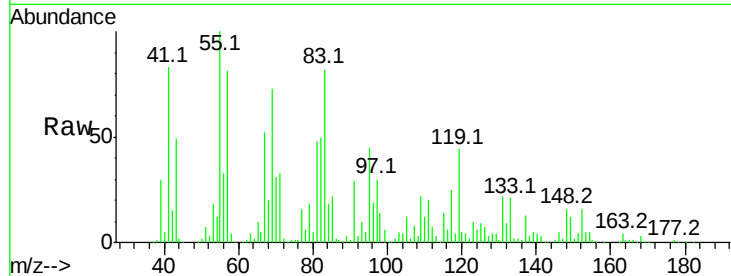
#27  
2,4-Dimethylphenol  
Concen: 11.21 ng  
RT: 7.80 min Scan# 500  
Delta R.T. 0.05 min  
Lab File: BF084143.D  
Acq: 25 Dec 2015 22:06

Instrument :  
BNA\_F  
ClientSampleId :  
PJ-SB-3(16.0-16.5)

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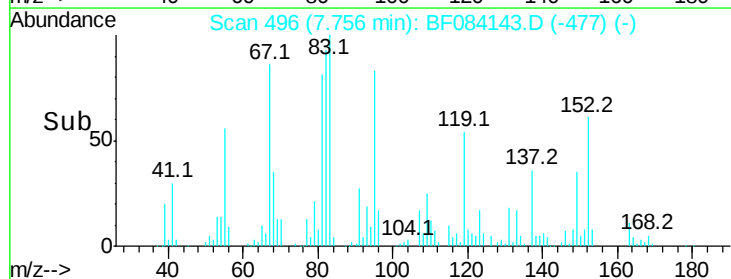
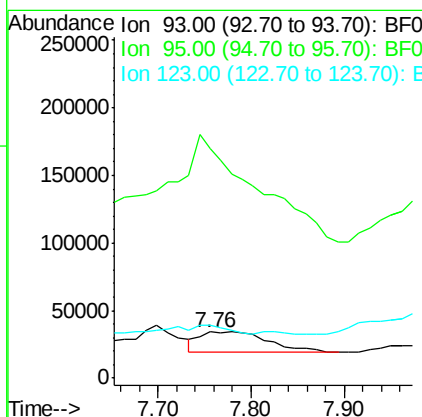
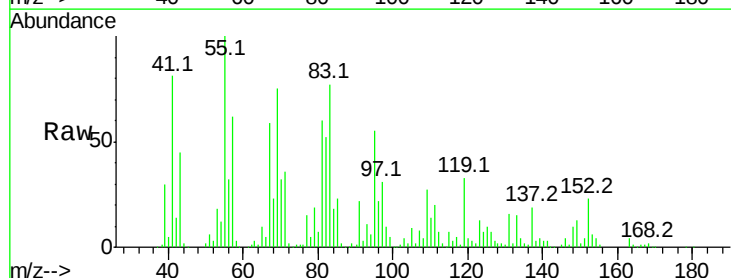
Sohil  
12/29/2015 9:33:53 AM

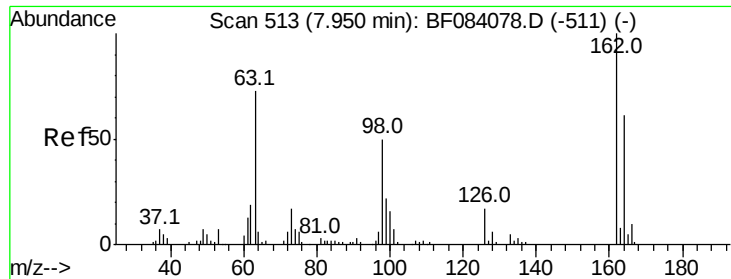
| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 107     | 336.1 | 99.1  | 148.7# |
| 121     | 148.3 | 47.9  | 71.9#  |



#28  
bis(2-Chloroethoxy)methane  
Concen: 28.25 ng  
RT: 7.76 min Scan# 496  
Delta R.T. -0.08 min  
Lab File: BF084143.D  
Acq: 25 Dec 2015 22:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 497.3 | 25.8  | 38.6# |
| 123     | 115.9 | 8.6   | 12.8# |





#29

2,4-Dichlorophenol

Concen: 103.56 ng

RT: 8.09 min Scan# 525

Delta R.T. 0.14 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

Instrument :

BNA\_F

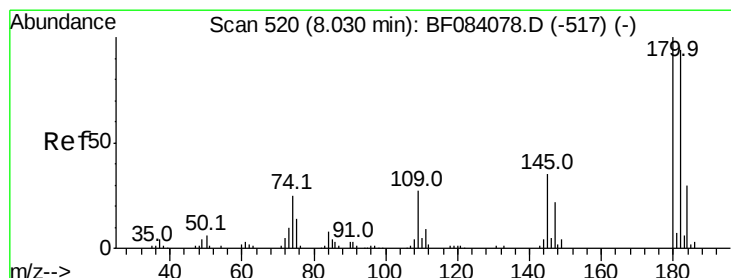
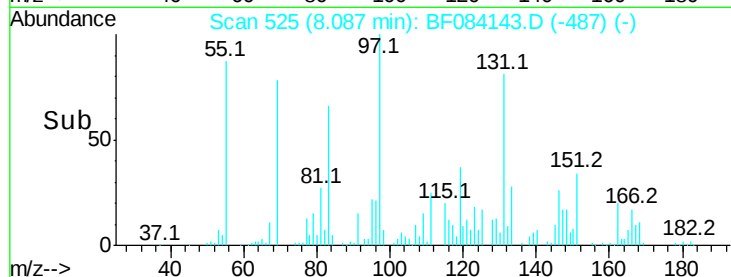
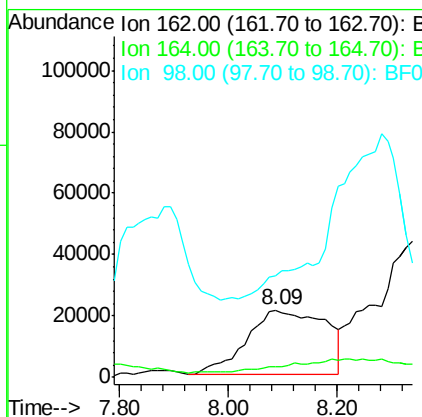
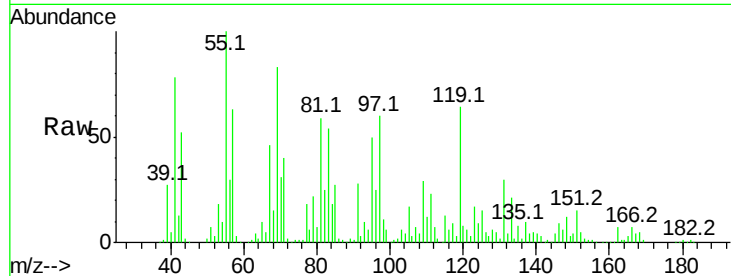
ClientSampleId :

PJ-SB-3(16.0-16.5)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 162   | Resp: | 209562 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 15.2  | 44.1  | 84.1#  |
| 98        | 151.1 | 20.2  | 60.2#  |

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#30

1,2,4-Trichlorobenzene

Concen: 5.48 ng

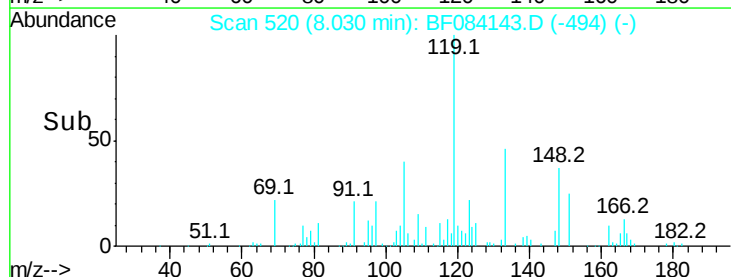
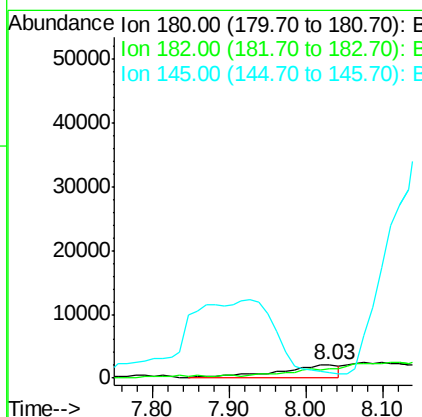
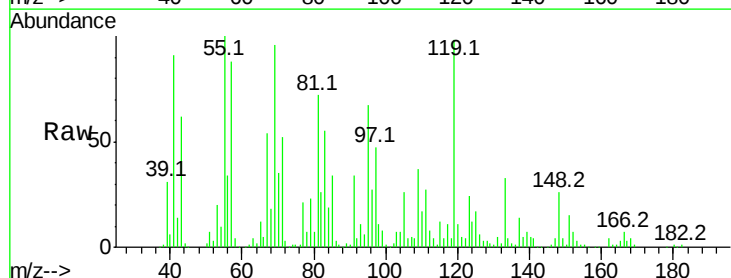
RT: 8.03 min Scan# 520

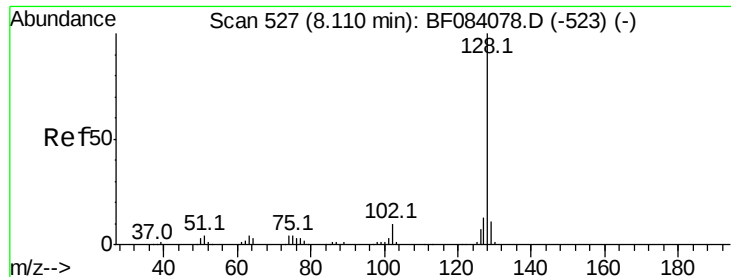
Delta R.T. 0.00 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 12155  |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 72.2  | 76.4  | 114.6# |
| 145       | 37.0  | 31.6  | 47.4   |





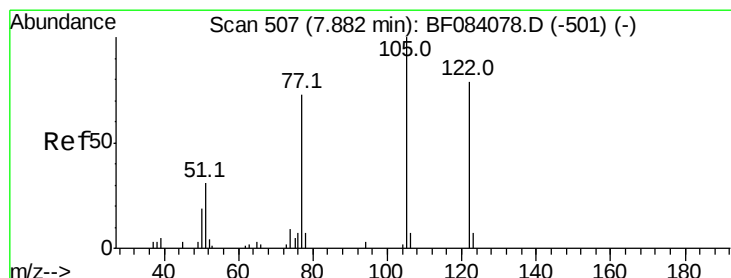
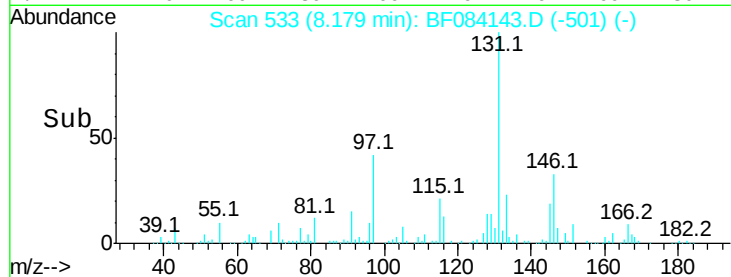
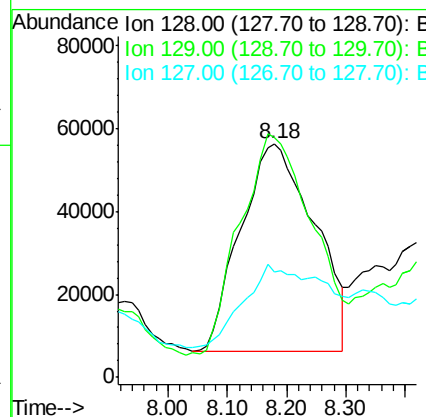
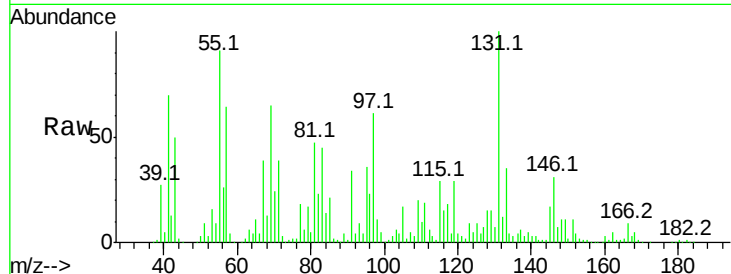
#31  
Naphthalene  
Concen: 57.30 ng  
RT: 8.18 min Scan# 533  
Delta R.T. 0.07 min  
Lab File: BF084143.D  
Acq: 25 Dec 2015 22:06

Instrument :  
BNA\_F  
ClientSampleId :  
PJ-SB-3(16.0-16.5)

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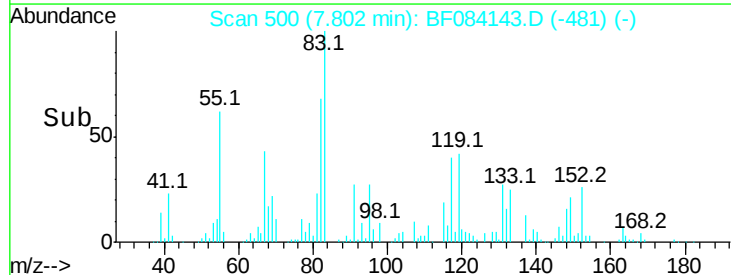
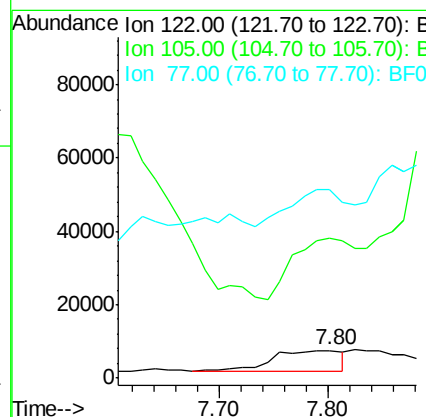
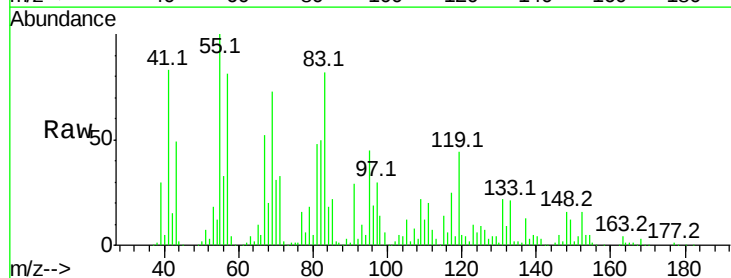
Sohil  
12/29/2015 9:33:53 AM

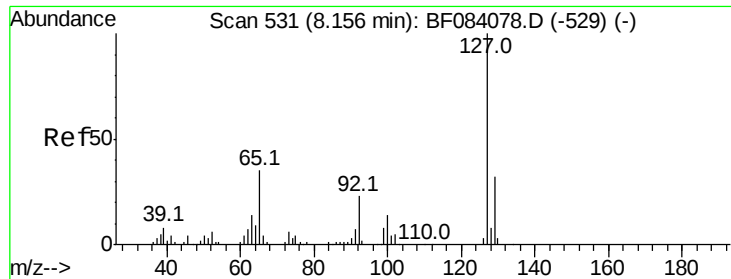
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 102.9 | 9.1   | 13.7# |
| 127     | 45.1  | 11.1  | 16.7# |



#32  
Benzoic acid  
Concen: 23.39 ng  
RT: 7.80 min Scan# 500  
Delta R.T. -0.08 min  
Lab File: BF084143.D  
Acq: 25 Dec 2015 22:06

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 507.6 | 100.3 | 140.3# |
| 77      | 684.8 | 63.5  | 103.5# |





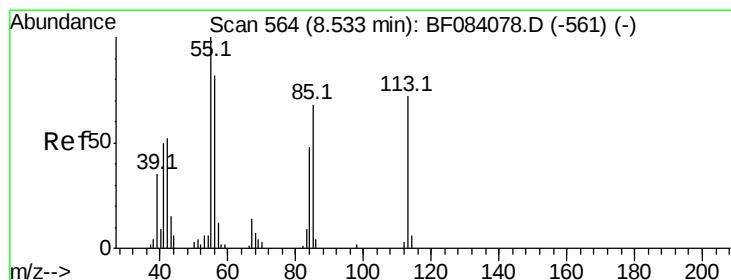
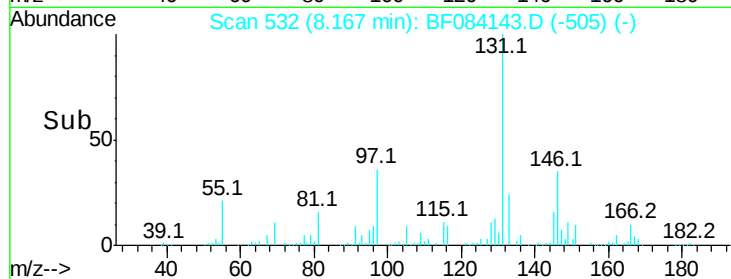
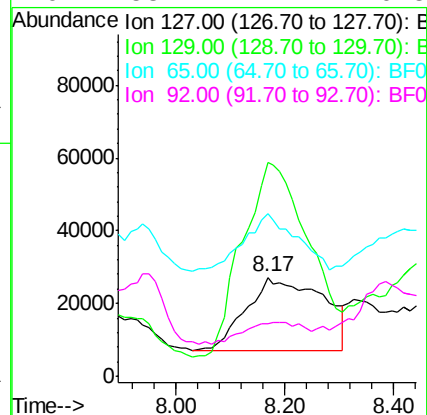
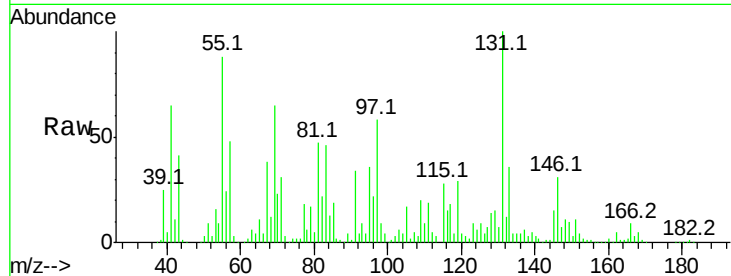
#33  
4-Chloroaniline  
Concen: 65.08 ng  
RT: 8.17 min Scan# 532  
Delta R.T. 0.01 min  
Lab File: BF084143.D  
Acq: 25 Dec 2015 22:06

Instrument :  
BNA\_F  
ClientSampleId :  
PJ-SB-3(16.0-16.5)

Manual Integrations  
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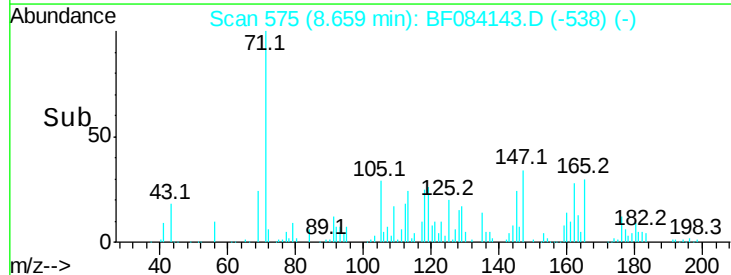
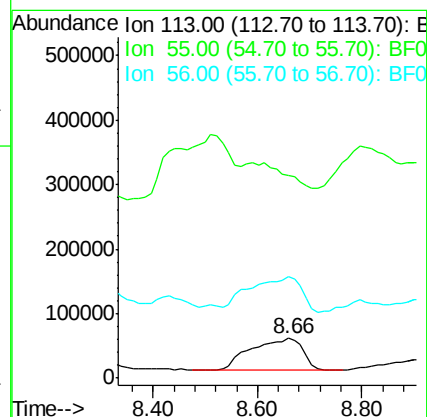
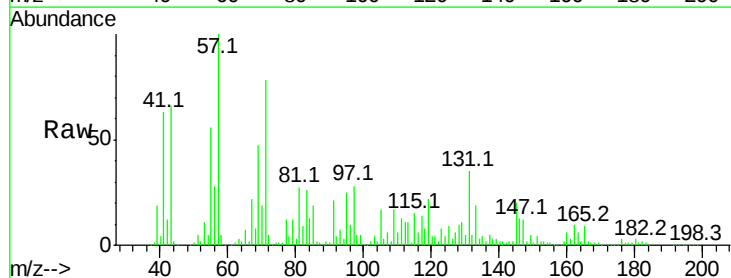
Sohil  
12/29/2015 9:33:53 AM

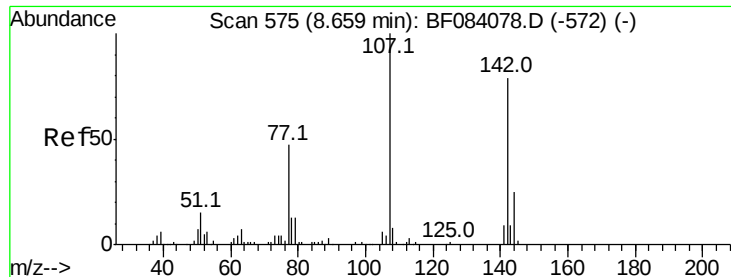
| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 127     | 100   |            |       |
| 129     | 216.3 | 26.5       | 39.7# |
| 65      | 165.3 | 27.2       | 40.8# |
| 92      | 53.4  | 17.7       | 26.5# |



#35  
Caprolactam  
Concen: 609.37 ng  
RT: 8.66 min Scan# 575  
Delta R.T. 0.13 min  
Lab File: BF084143.D  
Acq: 25 Dec 2015 22:06

| Tgt Ion | Ratio | Resp Lower | Upper  |
|---------|-------|------------|--------|
| 113     | 100   |            |        |
| 55      | 509.4 | 116.9      | 156.9# |
| 56      | 253.7 | 93.8       | 133.8# |





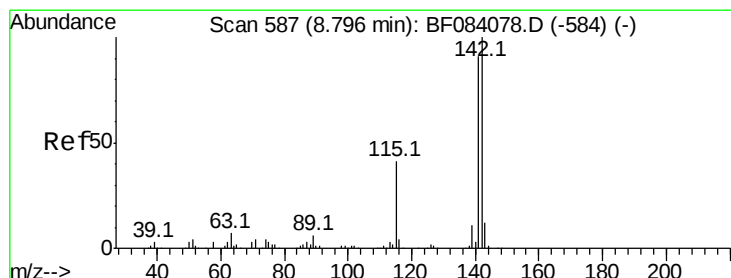
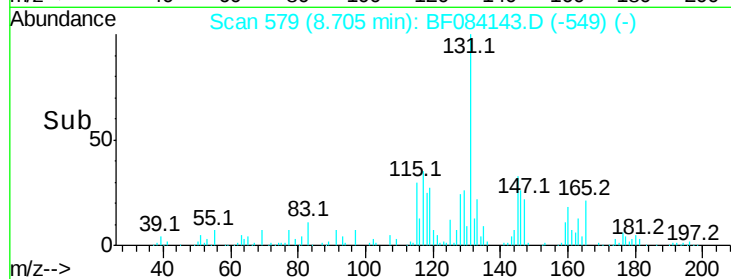
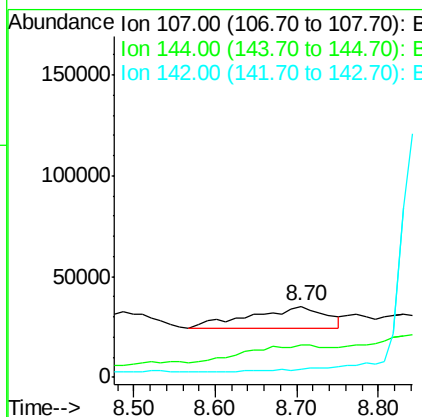
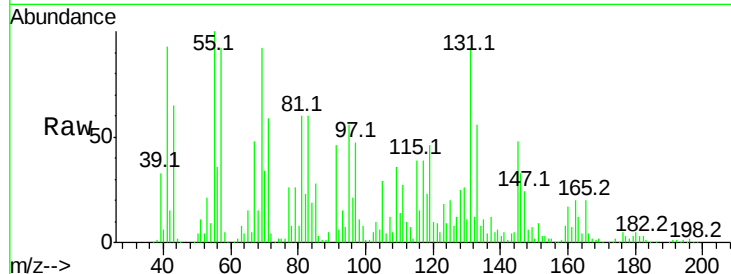
#36  
 4-Chloro-3-methylphenol  
 Concen: 30.14 ng  
 RT: 8.70 min Scan# 579  
 Delta R.T. 0.05 min  
 Lab File: BF084143.D  
 Acq: 25 Dec 2015 22:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PJ-SB-3(16.0-16.5)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 45.0  | 19.7  | 29.5# |
| 142     | 11.3  | 61.8  | 92.6# |

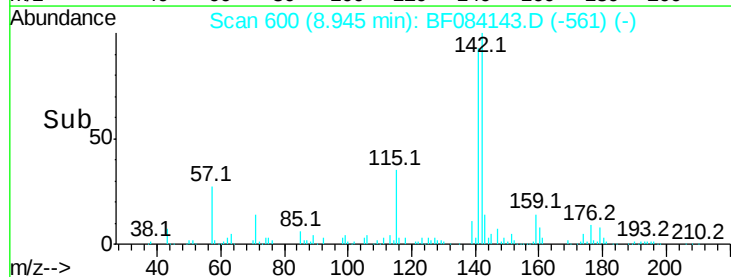
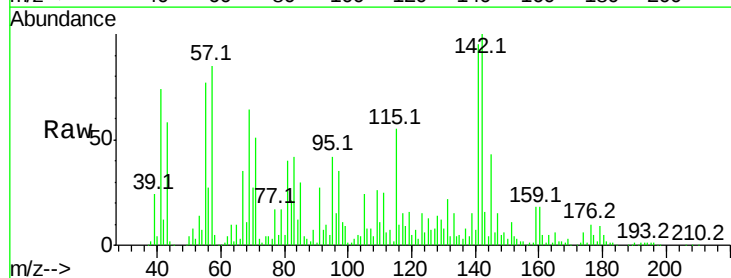
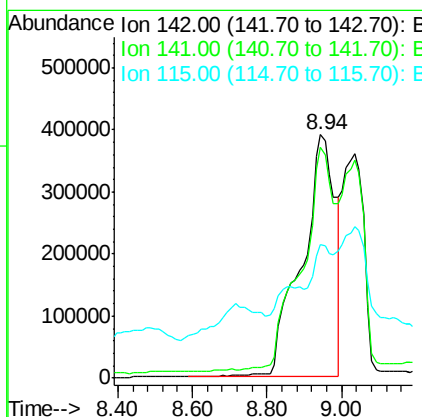
Manual Integrations  
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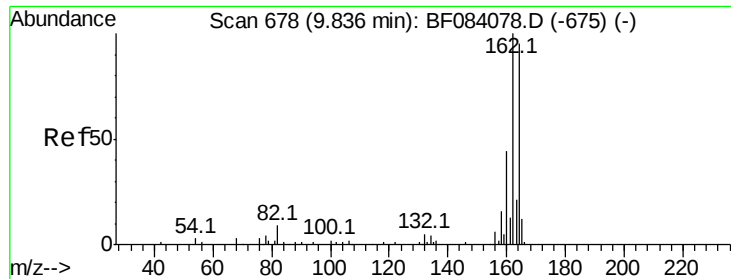
Sohil  
 12/29/2015 9:33:53 AM



#37  
 2-Methylnaphthalene  
 Concen: 514.26 ng  
 RT: 8.94 min Scan# 600  
 Delta R.T. 0.15 min  
 Lab File: BF084143.D  
 Acq: 25 Dec 2015 22:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 94.8  | 72.4  | 108.6 |
| 115     | 55.0  | 27.9  | 41.9# |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.81 min Scan# 676

Delta R.T. -0.02 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

Instrument :

BNA\_F

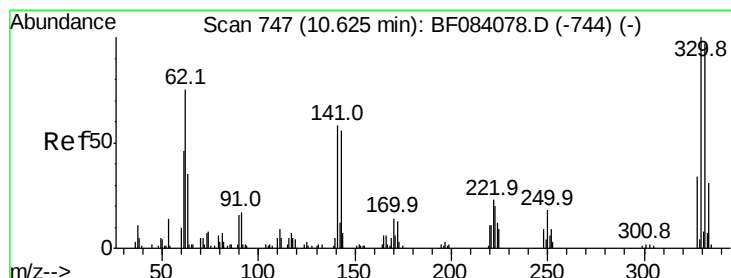
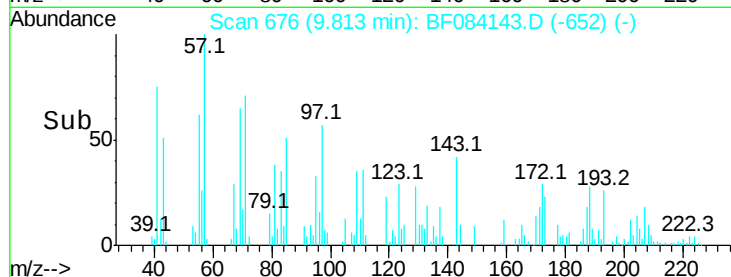
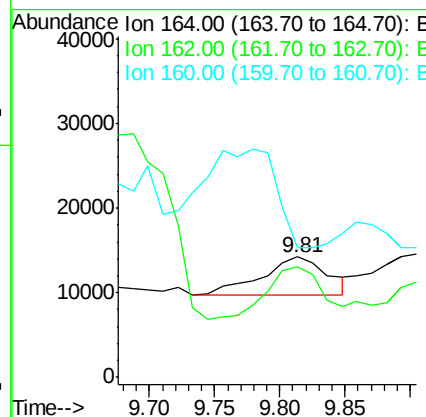
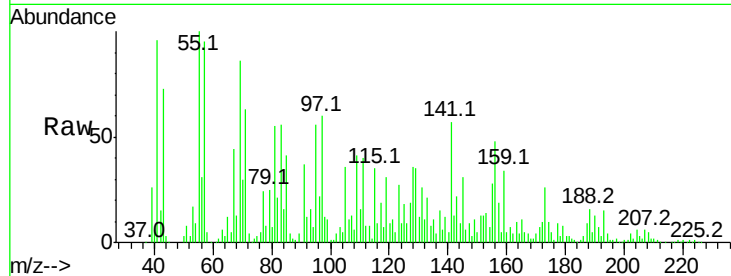
ClientSampleId :

PJ-SB-3(16.0-16.5)

Manual Integrations  
APPROVED

Sohil  
12/29/2015 9:33:53 AM

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 91.8  | 85.1  | 127.7 |
| 160     | 107.8 | 37.5  | 56.3# |



#41

2,4,6-Tribromophenol

Concen: 382.58 ng

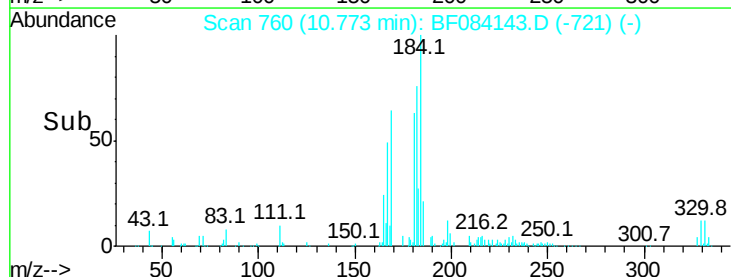
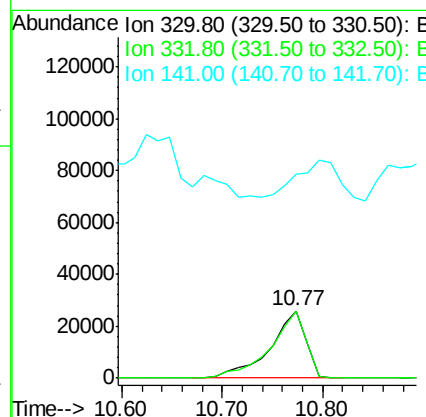
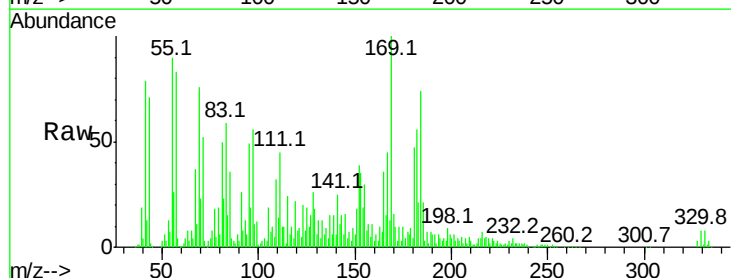
RT: 10.77 min Scan# 760

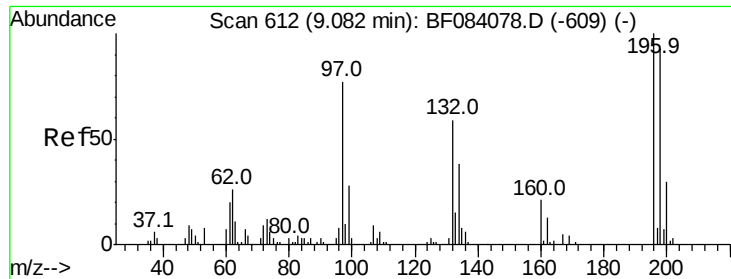
Delta R.T. 0.15 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.5  | 76.6  | 114.8 |
| 141     | 0.0   | 27.8  | 41.6# |





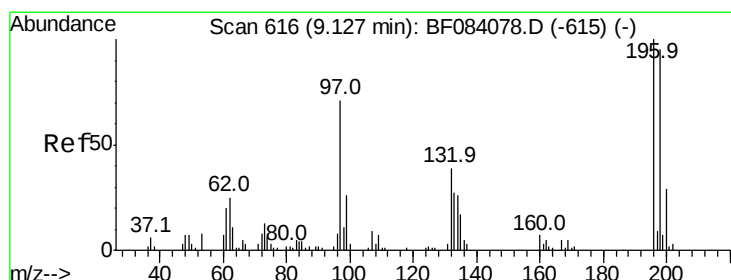
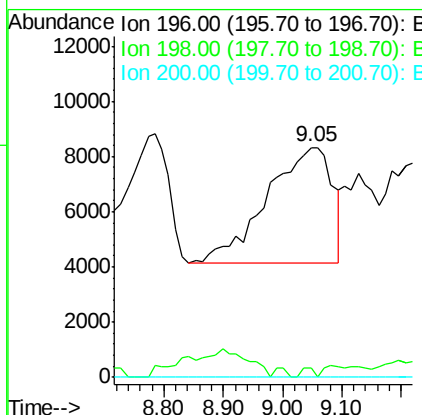
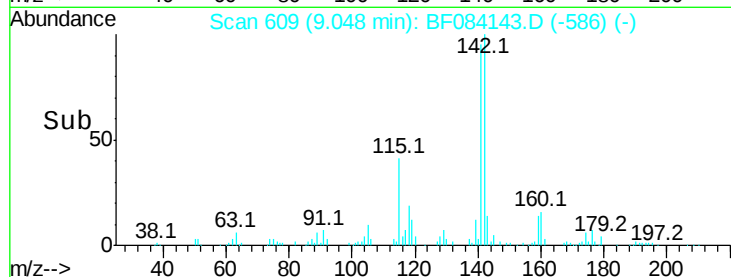
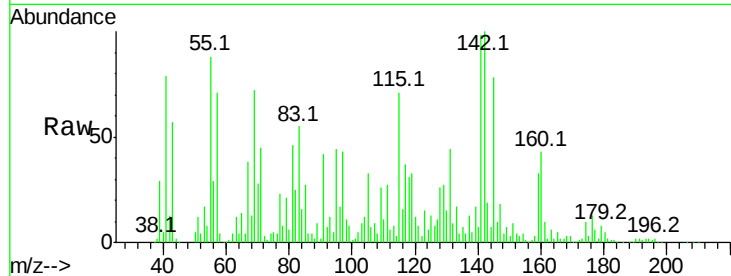
#42  
 2,4,6-Trichlorophenol  
 Concen: 100.42 ng  
 RT: 9.05 min Scan# 609  
 Delta R.T. -0.03 min  
 Lab File: BF084143.D  
 Acq: 25 Dec 2015 22:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PJ-SB-3(16.0-16.5)

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 196     | 100   |       |        |
| 198     | 4.1   | 77.7  | 116.5# |
| 200     | 0.0   | 24.6  | 37.0#  |

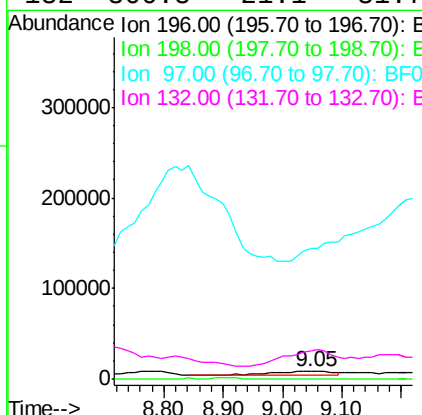
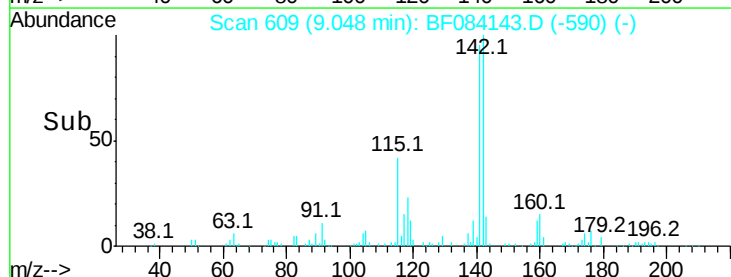
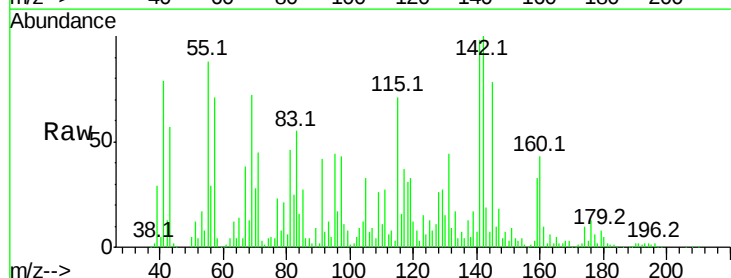
Manual Integrations  
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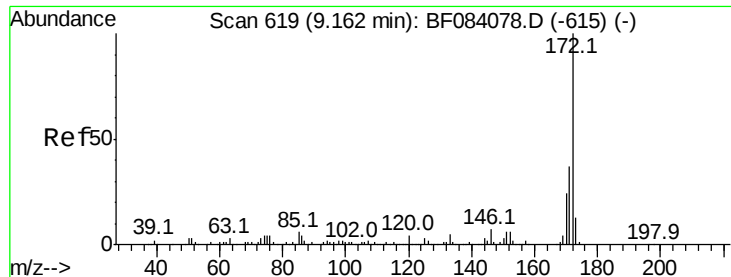
Sohil  
 12/29/2015 9:33:53 AM



#43  
 2,4,5-Trichlorophenol  
 Concen: 100.33 ng  
 RT: 9.05 min Scan# 609  
 Delta R.T. -0.08 min  
 Lab File: BF084143.D  
 Acq: 25 Dec 2015 22:06

| Tgt Ion | Ratio  | Lower | Upper  |
|---------|--------|-------|--------|
| 196     | 100    |       |        |
| 198     | 4.1    | 79.0  | 118.6# |
| 97      | 1726.9 | 33.0  | 49.6#  |
| 132     | 366.8  | 21.1  | 31.7#  |





#44

2-Fluorobiphenyl

Concen: 171.57 ng

RT: 9.28 min Scan# 629

Delta R.T. 0.11 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

Instrument :

BNA\_F

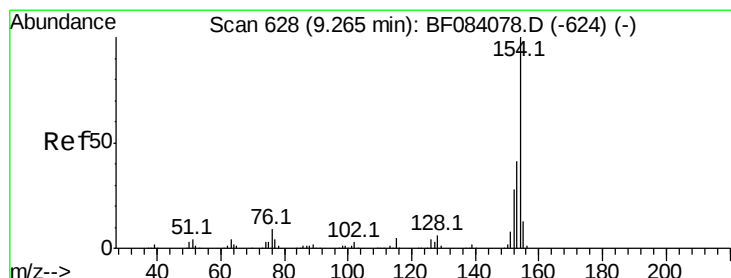
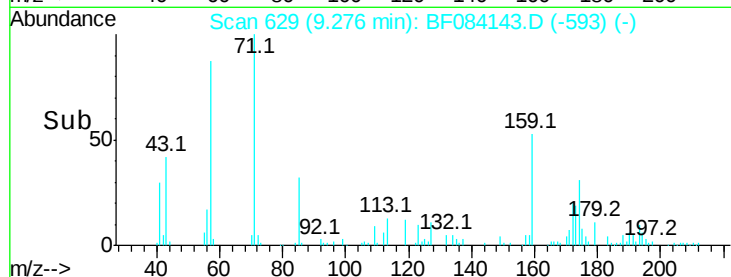
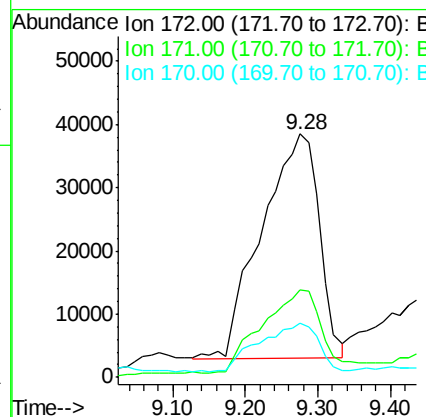
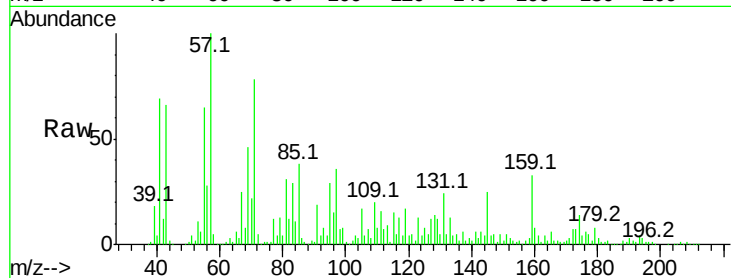
ClientSampleId :

PJ-SB-3(16.0-16.5)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 172   | Resp: | 196193 |
| Ion Ratio | Lower | Upper |        |
| 172       | 100   |       |        |
| 171       | 35.7  | 28.9  | 43.3   |
| 170       | 22.0  | 18.6  | 27.8   |

Manual Integrations  
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Sohil  
12/29/2015 9:33:53 AM



#45

1,1'-Biphenyl

Concen: 38.41 ng

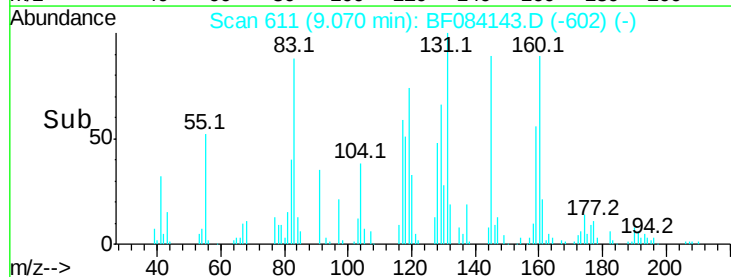
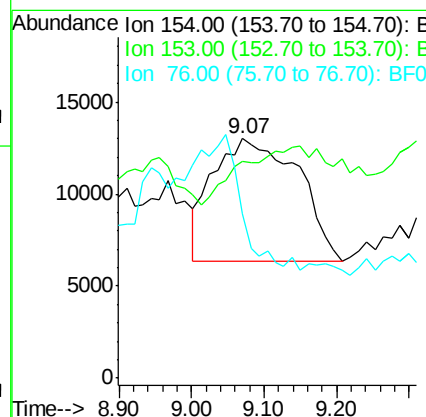
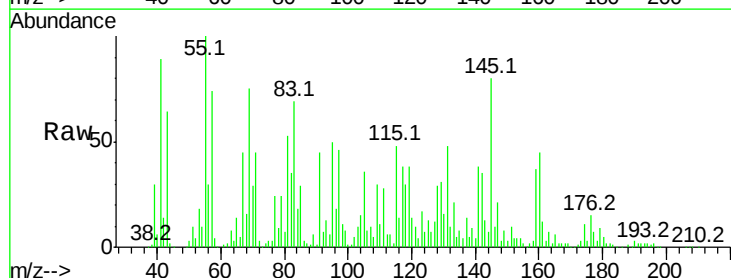
RT: 9.07 min Scan# 611

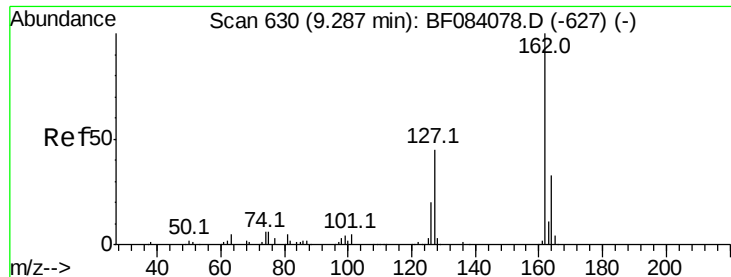
Delta R.T. -0.19 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 154   | Resp: | 54290 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 90.9  | 21.6  | 61.6# |
| 76        | 68.8  | 0.0   | 32.7# |





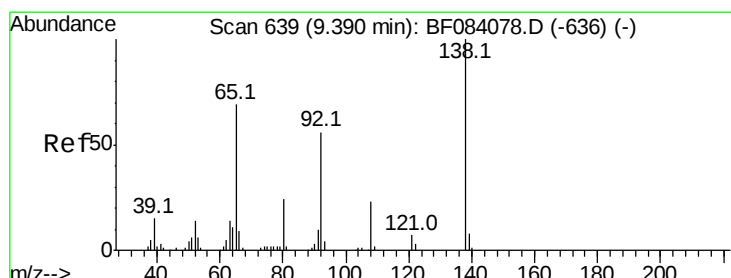
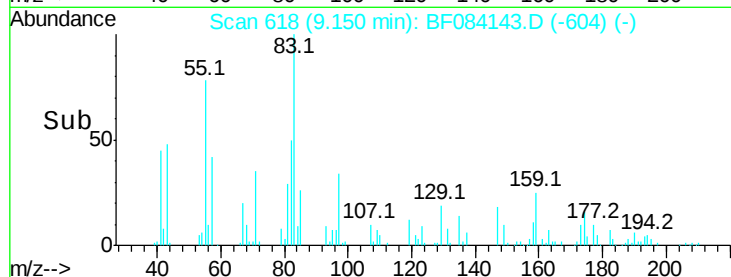
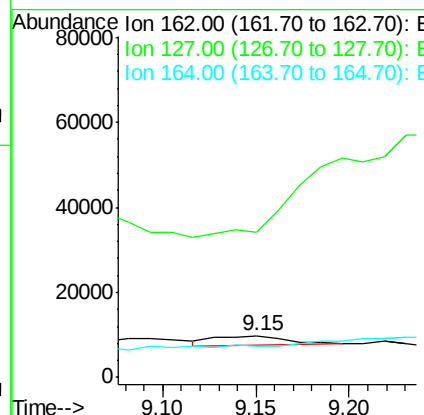
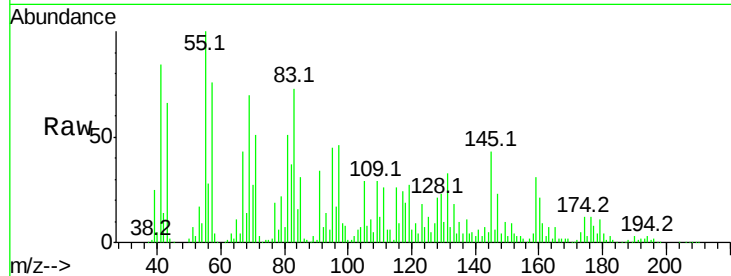
#46  
2-Chloronaphthalene  
Concen: 5.68 ng  
RT: 9.15 min Scan# 618  
Delta R.T. -0.14 min  
Lab File: BF084143.D  
Acq: 25 Dec 2015 22:06

Instrument :  
BNA\_F  
ClientSampleId :  
PJ-SB-3(16.0-16.5)

Manual Integrations  
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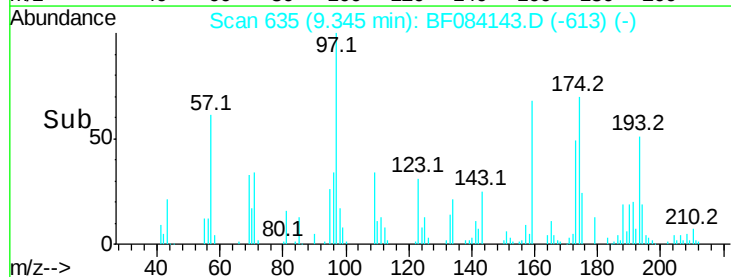
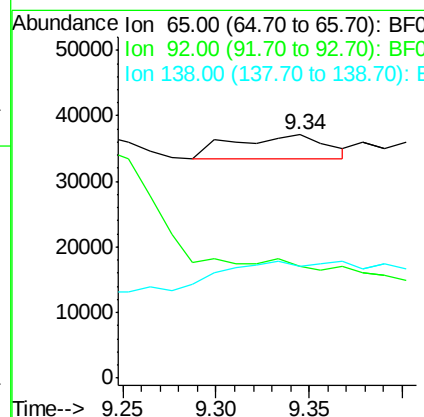
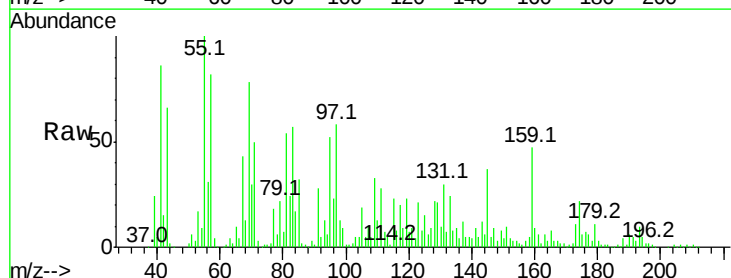
Sohil  
12/29/2015 9:33:53 AM

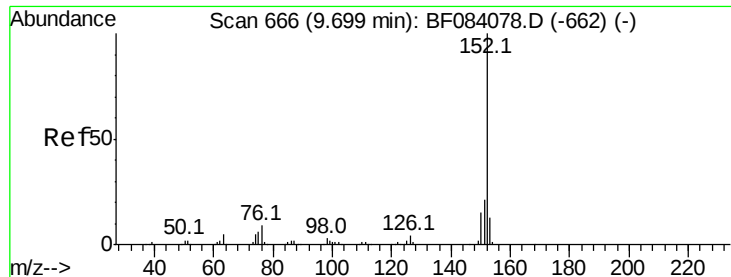
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 349.0 | 40.2  | 60.4# |
| 164     | 75.6  | 25.7  | 38.5# |



#47  
2-Nitroaniline  
Concen: 43.67 ng  
RT: 9.34 min Scan# 635  
Delta R.T. -0.05 min  
Lab File: BF084143.D  
Acq: 25 Dec 2015 22:06

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 65      | 100   |       |        |
| 92      | 45.8  | 53.4  | 80.2#  |
| 138     | 45.7  | 71.1  | 106.7# |





#48

Acenaphthylene

Concen: 369.91 ng

RT: 9.61 min Scan# 658

Delta R.T. -0.09 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

Instrument :

BNA\_F

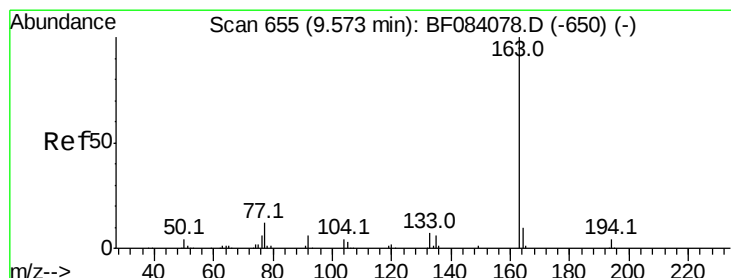
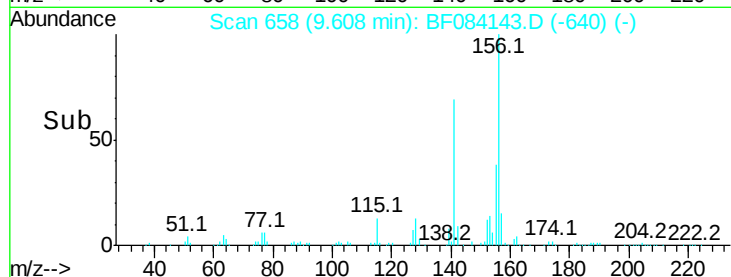
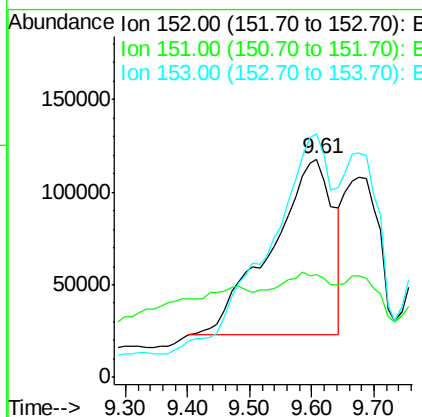
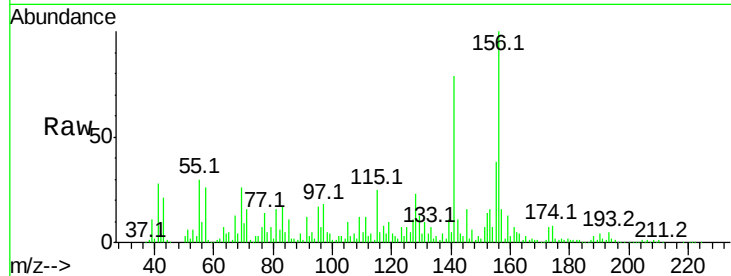
ClientSampleId :

PJ-SB-3(16.0-16.5)

Manual Integrations  
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12/29/2015 9:33:53 AM

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 47.4  | 16.3  | 24.5# |
| 153     | 111.7 | 10.4  | 15.6# |



#49

Dimethylphthalate

Concen: 9.26 ng

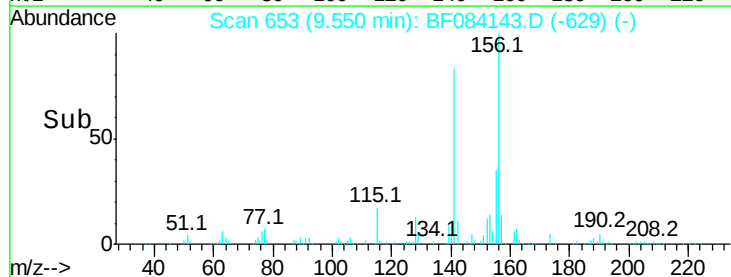
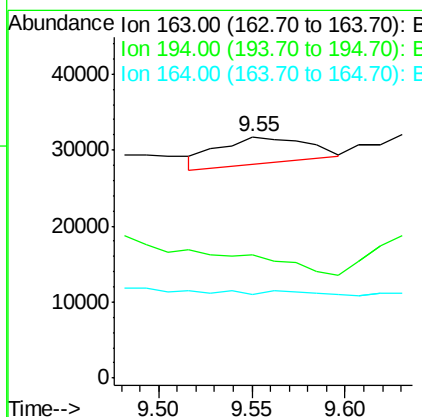
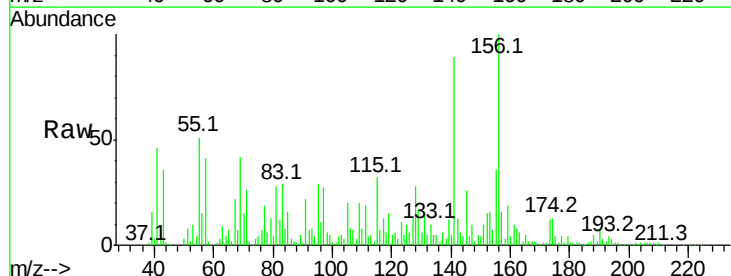
RT: 9.55 min Scan# 653

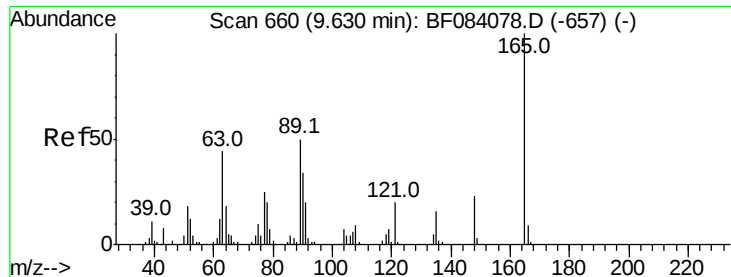
Delta R.T. -0.02 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 50.8  | 8.0   | 12.0# |
| 164     | 34.7  | 8.0   | 12.0# |





#50

2,6-Dinitrotoluene

Concen: 21.70 ng

RT: 9.63 min Scan# 660

Delta R.T. 0.00 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

Instrument :

BNA\_F

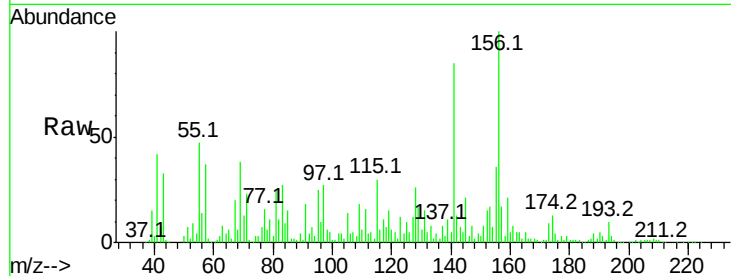
ClientSampleId :

PJ-SB-3(16.0-16.5)

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 165   | Resp: | 5969  |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 162.8 | 28.8  | 43.2# |
| 89        | 85.3  | 35.1  | 52.7# |

Manual Integrations  
APPROVED

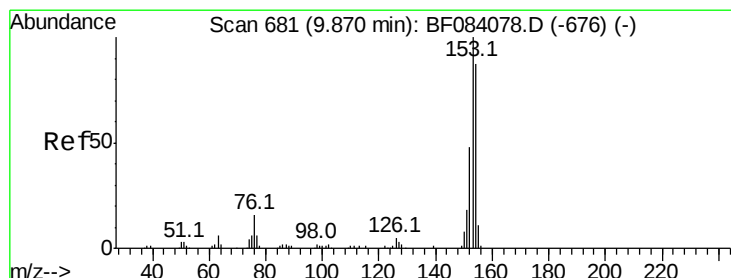
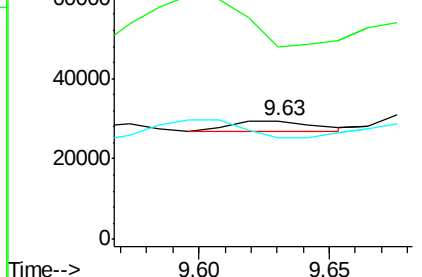
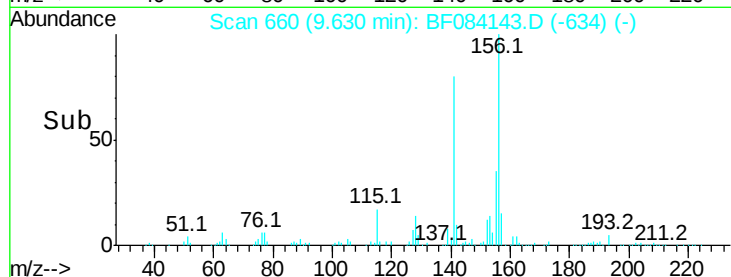
Sohil  
12/29/2015 9:33:53 AM



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



#51

Acenaphthene

Concen: 26.22 ng

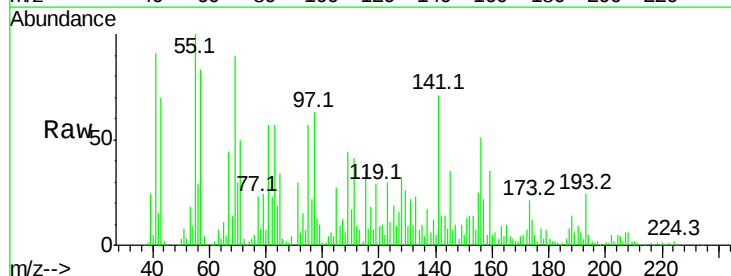
RT: 9.85 min Scan# 679

Delta R.T. -0.02 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

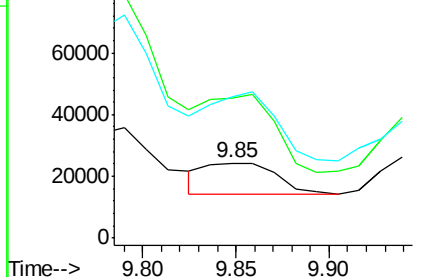
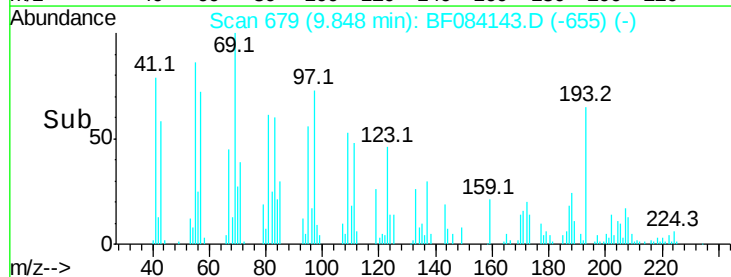
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 154   | Resp: | 26909  |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 187.0 | 91.5  | 137.3# |
| 152       | 188.5 | 43.0  | 64.6#  |

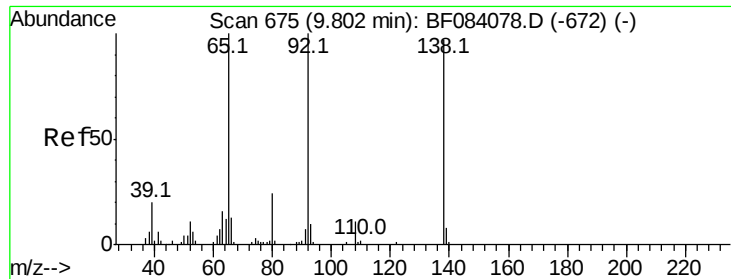


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#52

3-Nitroaniline

Concen: 54.65 ng

RT: 9.79 min Scan# 674

Delta R.T. -0.01 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

Instrument :

BNA\_F

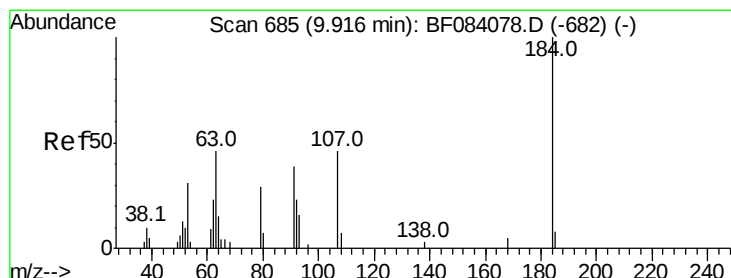
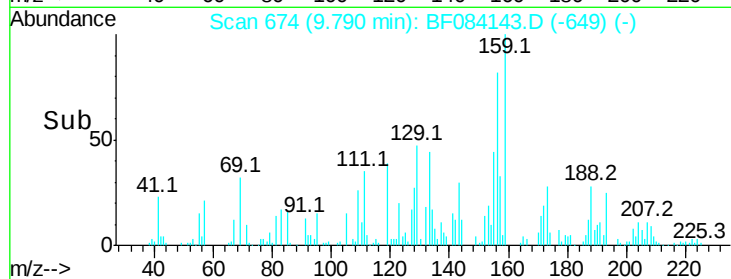
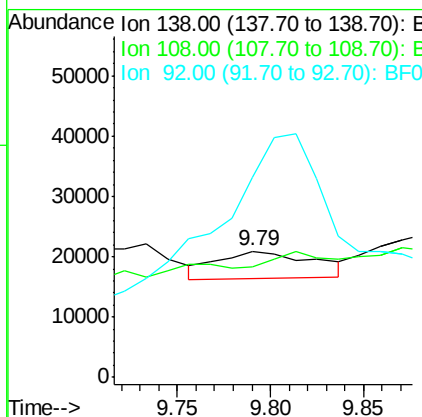
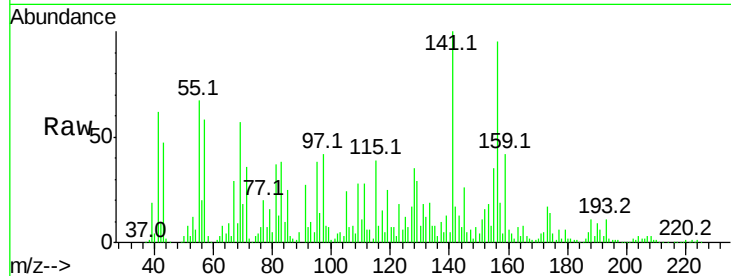
ClientSampleId :

PJ-SB-3(16.0-16.5)

Manual Integrations  
APPROVED

Sohil  
12/29/2015 9:33:53 AM

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 138     | 100   |       |        |
| 108     | 87.2  | 10.5  | 15.7#  |
| 92      | 159.2 | 103.9 | 155.9# |



#53

2,4-Dinitrophenol

Concen: 69.02 ng

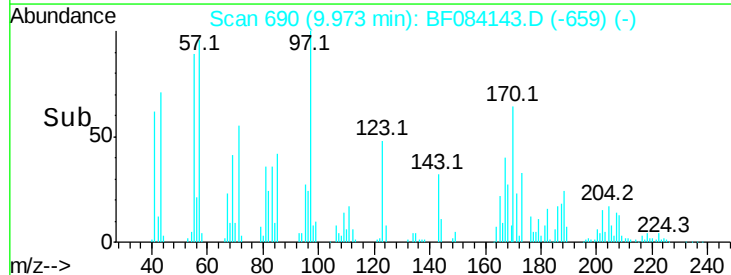
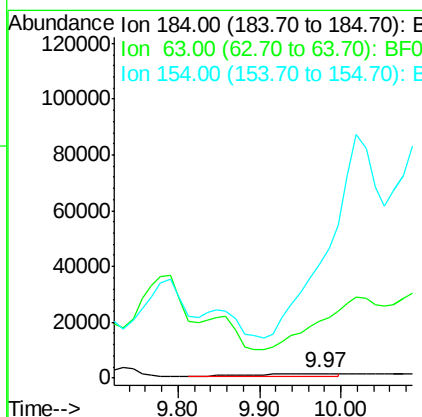
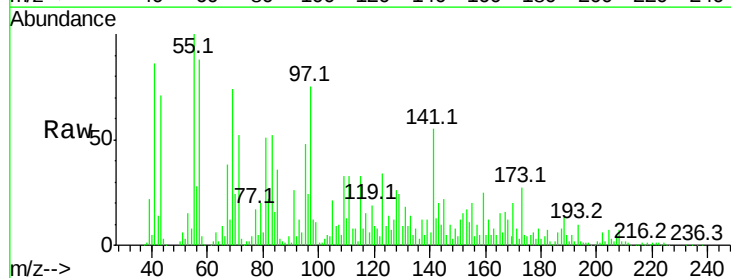
RT: 9.97 min Scan# 690

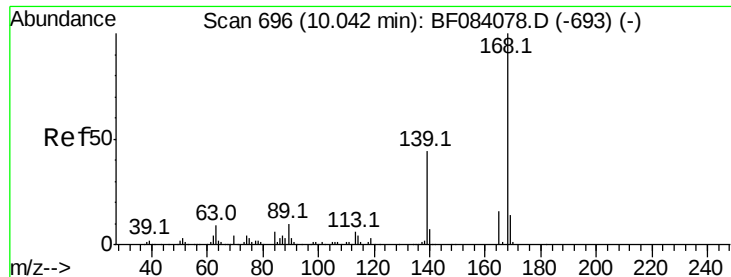
Delta R.T. 0.06 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

| Tgt Ion | Ratio  | Lower | Upper |
|---------|--------|-------|-------|
| 184     | 100    |       |       |
| 63      | 1269.8 | 43.1  | 64.7# |
| 154     | 2530.1 | 60.5  | 90.7# |





#54

Dibenzenofuran

Concen: 236.69 ng

RT: 10.03 min Scan# 695

Delta R.T. -0.01 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

Instrument :

BNA\_F

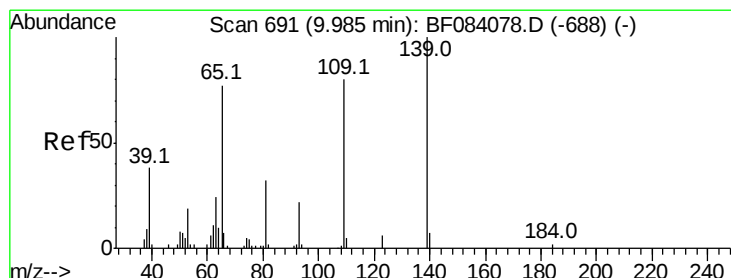
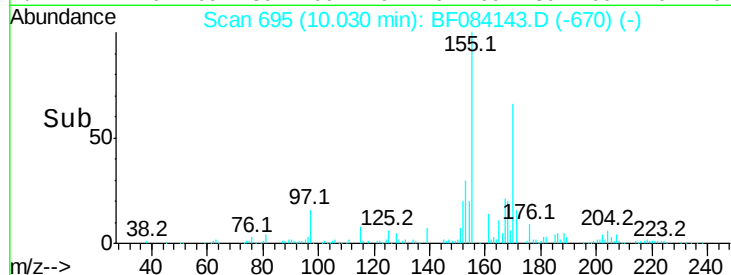
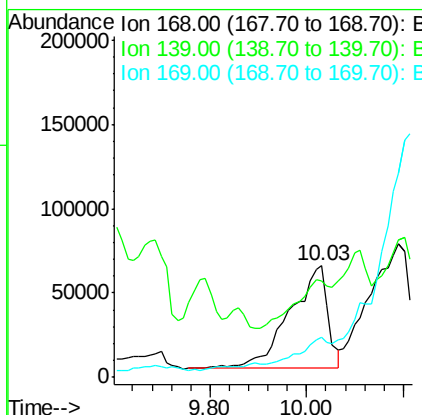
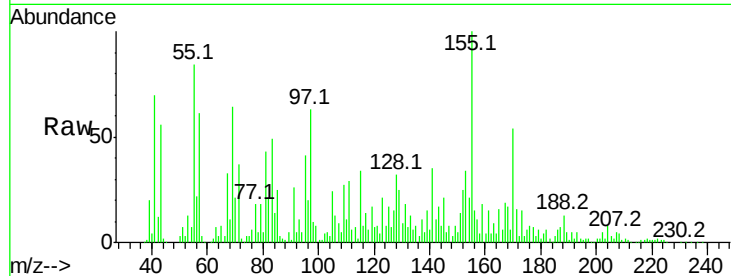
ClientSampleId :

PJ-SB-3(16.0-16.5)

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 168   | Resp: | 334101 |
| Ion Ratio | Lower | Upper |        |
| 168       | 100   |       |        |
| 139       | 86.9  | 30.5  | 45.7#  |
| 169       | 35.8  | 10.4  | 15.6#  |

Manual Integrations  
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#55

4-Nitrophenol

Concen: 986.74 ng

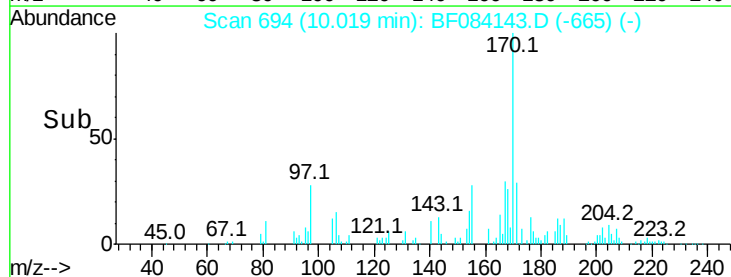
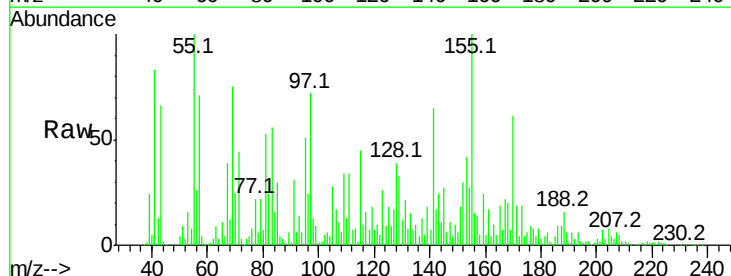
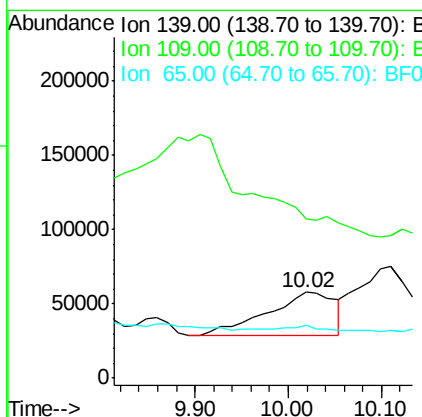
RT: 10.02 min Scan# 694

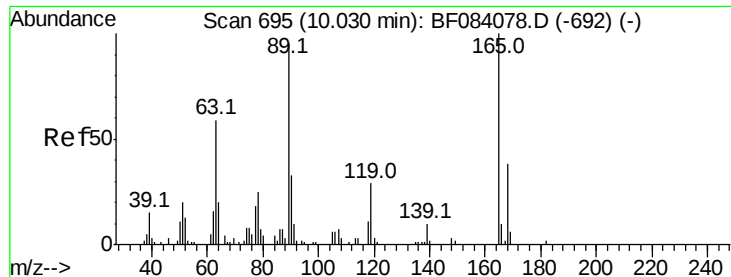
Delta R.T. 0.04 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 139   | Resp: | 148667 |
| Ion Ratio | Lower | Upper |        |
| 139       | 100   |       |        |
| 109       | 185.1 | 58.5  | 98.5#  |
| 65        | 61.0  | 57.6  | 97.6   |





#56

2,4-Dinitrotoluene

Concen: 588.33 ng

RT: 10.03 min Scan# 695

Delta R.T. 0.00 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

Instrument :

BNA\_F

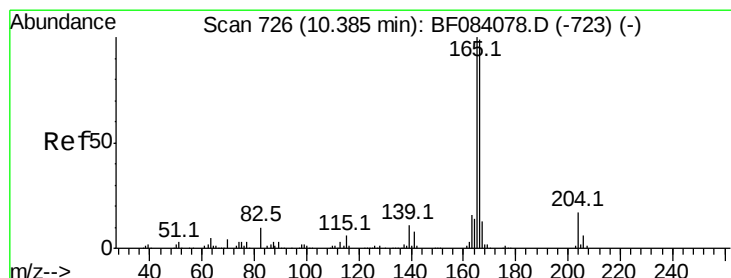
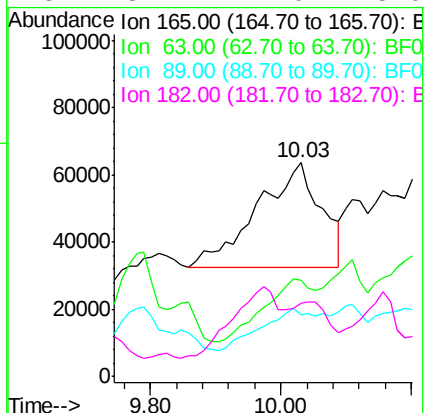
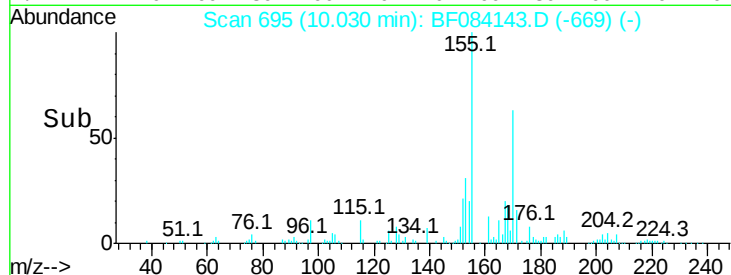
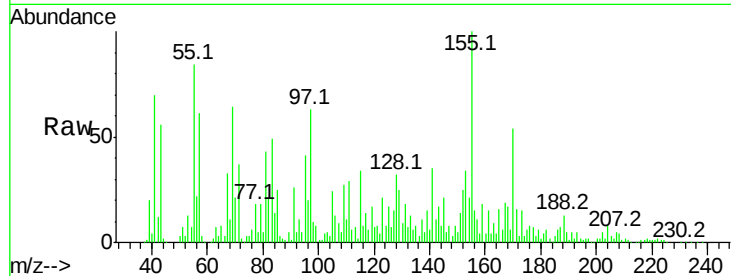
ClientSampleId :

PJ-SB-3(16.0-16.5)

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| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 165     | 100  |       | 213618 |       |       |
| 63      | 44.8 | 36.7  | 55.1   |       |       |
| 89      | 28.7 | 61.9  | 92.9#  |       |       |
| 182     | 34.1 | 2.0   | 3.0#   |       |       |



#57

Fluorene

Concen: 43.88 ng

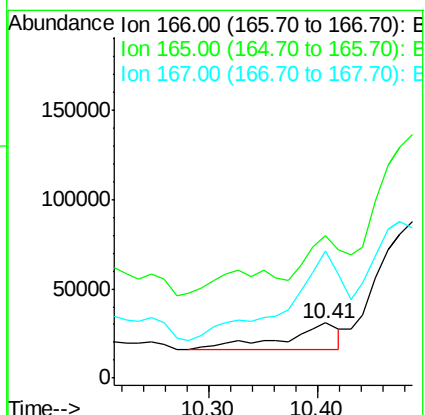
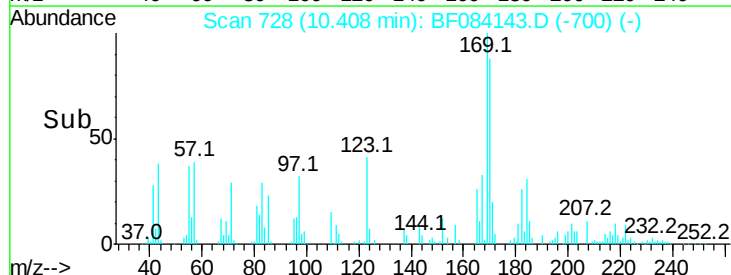
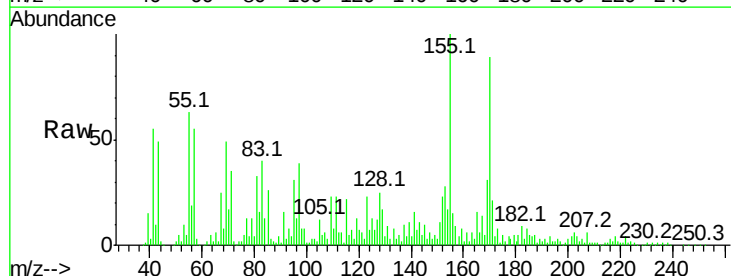
RT: 10.41 min Scan# 728

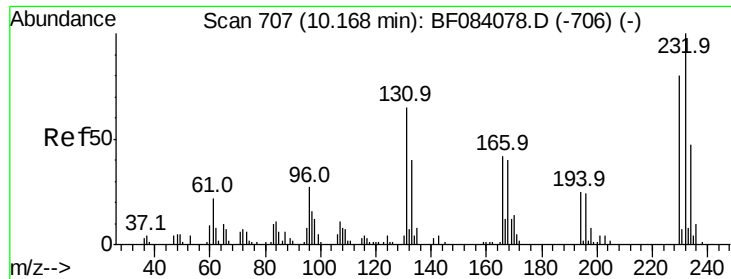
Delta R.T. 0.02 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

| Tgt Ion | Ion   | Ratio | Resp   | Lower | Upper |
|---------|-------|-------|--------|-------|-------|
| 166     | 100   |       | 52638  |       |       |
| 165     | 259.8 | 79.1  | 118.7# |       |       |
| 167     | 231.2 | 10.4  | 15.6#  |       |       |





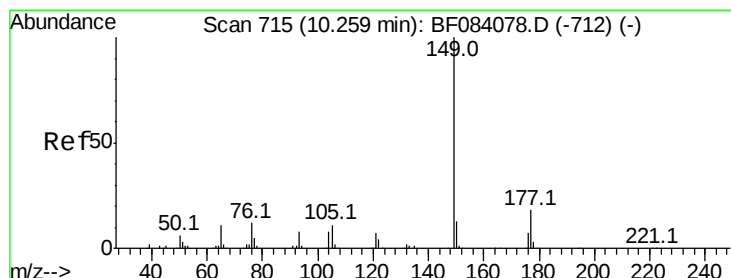
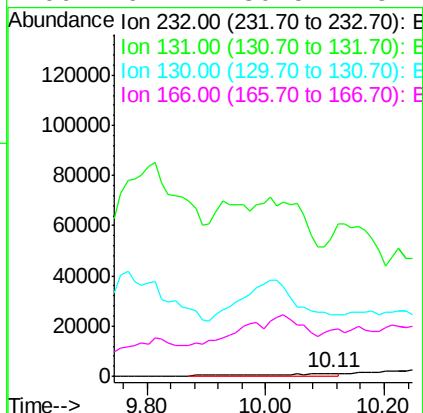
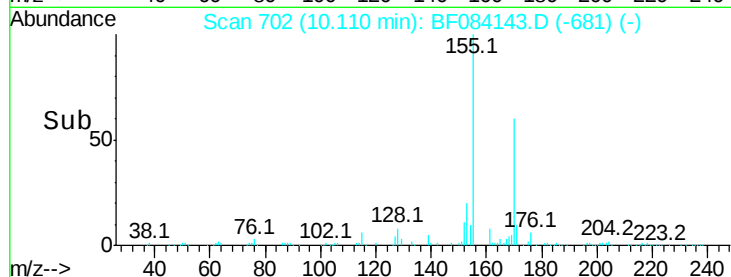
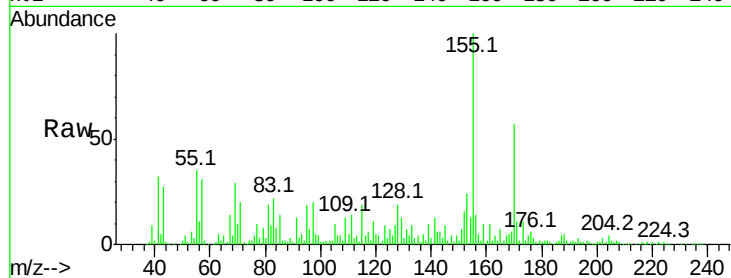
#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 40.67 ng  
 RT: 10.11 min Scan# 702  
 Delta R.T. -0.06 min  
 Lab File: BF084143.D  
 Acq: 25 Dec 2015 22:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PJ-SB-3(16.0-16.5)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 774.6 | 47.0  | 70.6# |
| 130     | 0.0   | 2.0   | 3.0#  |
| 166     | 61.2  | 30.5  | 45.7# |

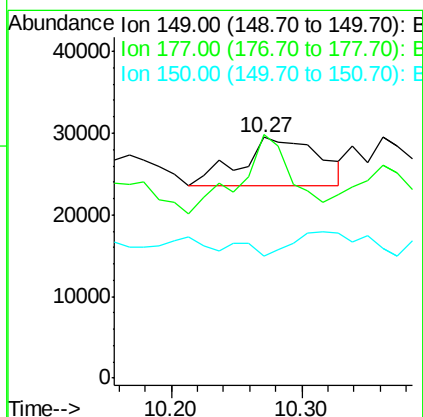
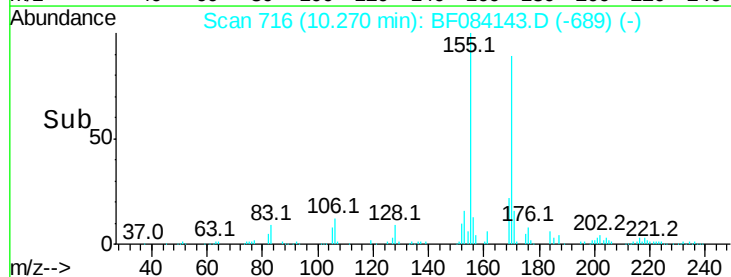
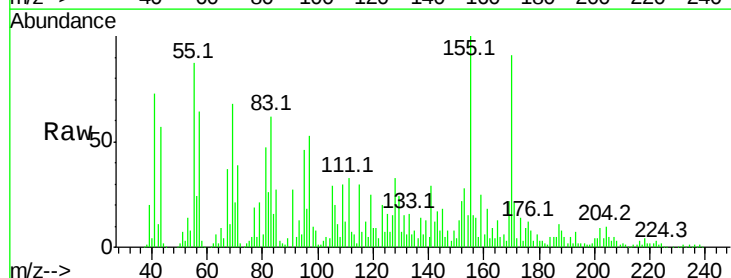
Manual Integrations  
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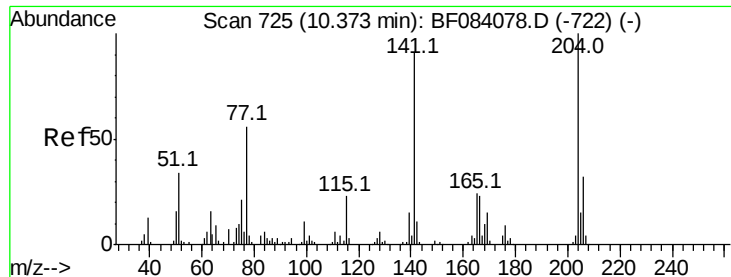
Sohil  
 12/29/2015 9:33:53 AM



#59  
 Diethylphthalate  
 Concen: 18.44 ng  
 RT: 10.27 min Scan# 716  
 Delta R.T. 0.01 min  
 Lab File: BF084143.D  
 Acq: 25 Dec 2015 22:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 101.2 | 17.3  | 25.9# |
| 150     | 50.7  | 9.8   | 14.8# |





#60

4-Chlorophenyl-phenylether

Concen: 161.05 ng

RT: 10.35 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

Instrument :

BNA\_F

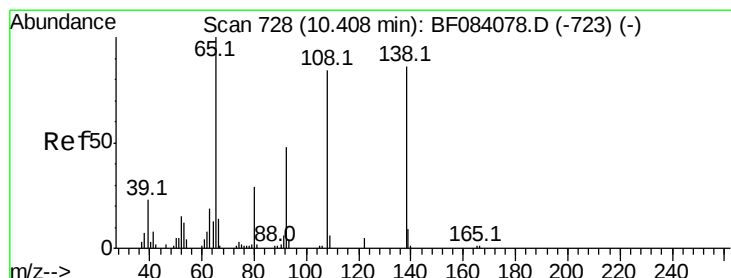
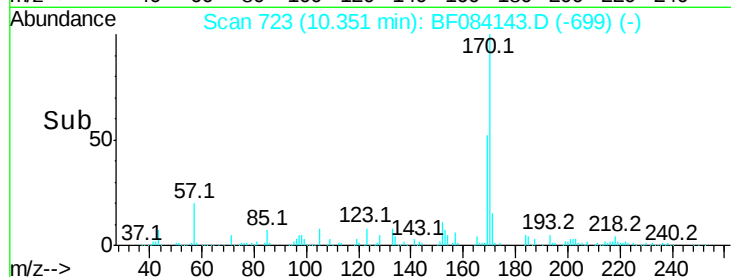
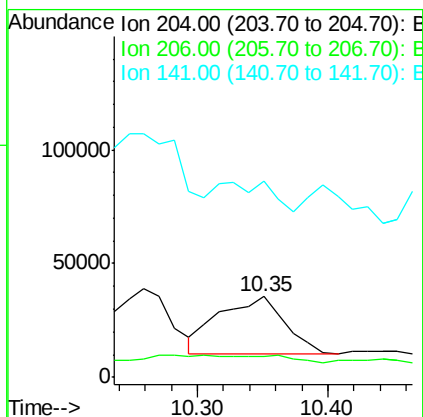
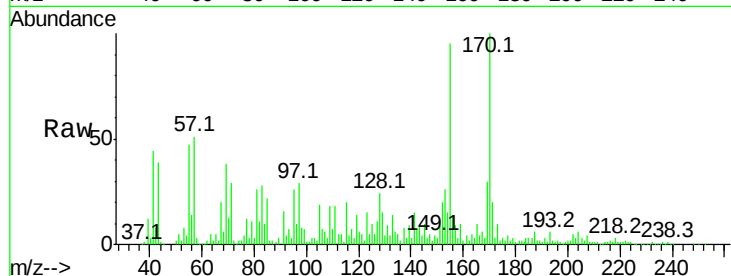
ClientSampleId :

PJ-SB-3(16.0-16.5)

Manual Integrations  
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12/29/2015 9:33:53 AM

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 204   | Resp: | 89109 |
| Ion Ratio | Lower | Upper |       |
| 204       | 100   |       |       |
| 206       | 25.9  | 25.7  | 38.5  |
| 141       | 243.8 | 55.1  | 82.7# |



#61

4-Nitroaniline

Concen: 154.43 ng

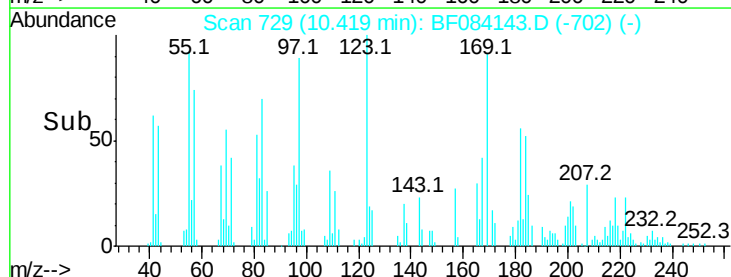
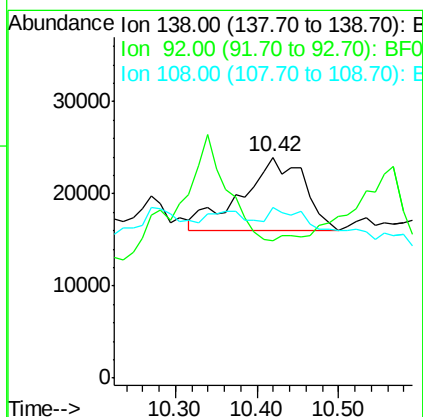
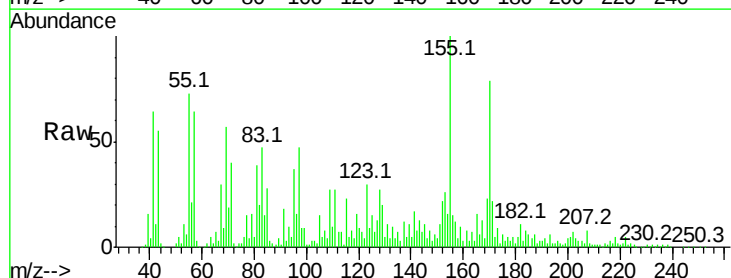
RT: 10.42 min Scan# 729

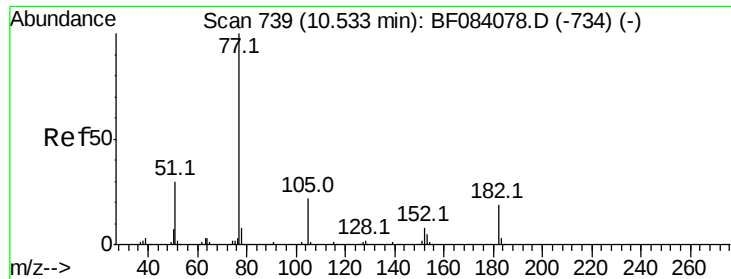
Delta R.T. 0.01 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 42132 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 92        | 61.9  | 32.6  | 72.6  |
| 108       | 77.2  | 68.6  | 108.6 |





#62

Azobenzene

Concen: 33.10 ng

RT: 10.68 min Scan# 752

Delta R.T. 0.15 min

Lab File: BF084143.D

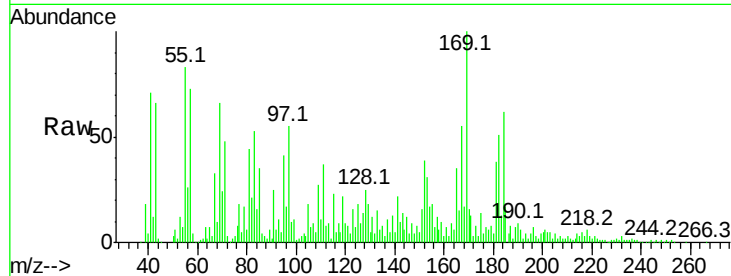
Acq: 25 Dec 2015 22:06

Instrument :

BNA\_F

ClientSampleId :

PJ-SB-3(16.0-16.5)



Tot Ion: 77 Resp: 35895

Ion Ratio Lower Upper

77 100

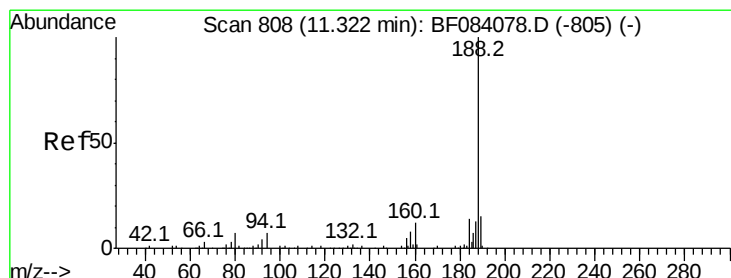
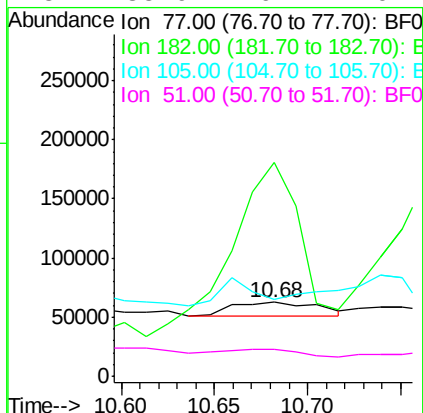
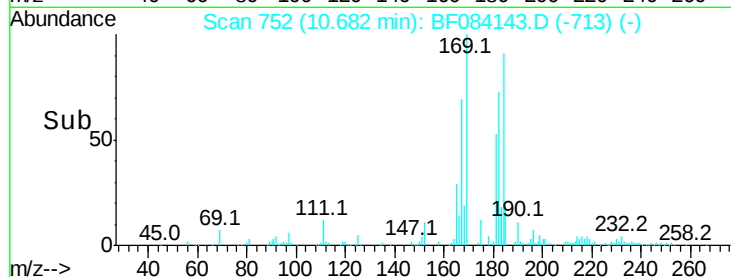
182 288.6 8.3 48.3#

105 104.7 4.6 44.6#

51 35.9 6.2 46.2

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#63

Phenanthrene-d10

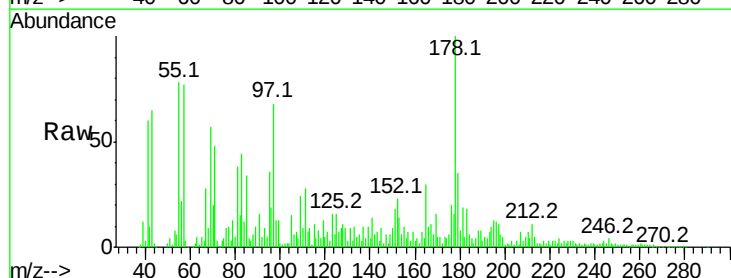
Concen: 20.00 ng m

RT: 11.45 min Scan# 819

Delta R.T. 0.13 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06



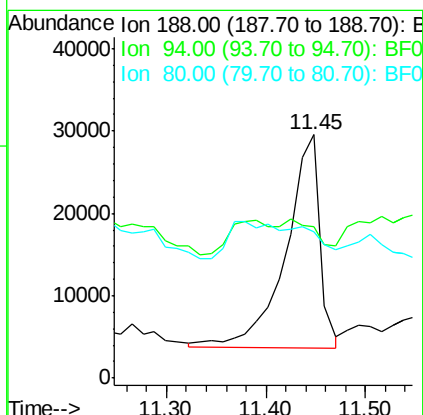
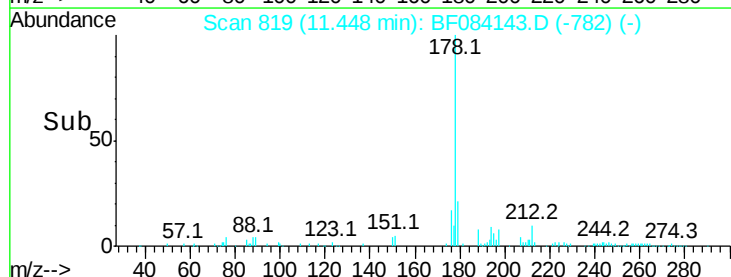
Tgt Ion: 188 Resp: 62293

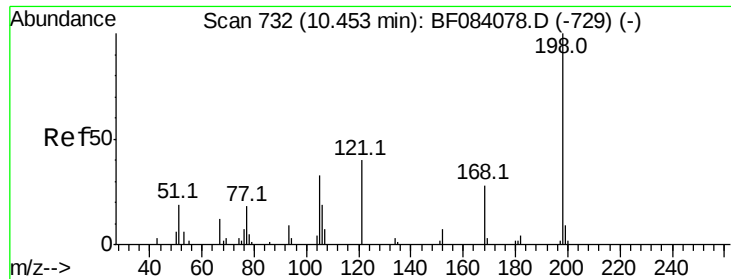
Ion Ratio Lower Upper

188 100

94 61.9 9.0 13.4#

80 60.1 9.6 14.4#





#64

4,6-Dinitro-2-methylphenol

Concen: 13.42 ng

RT: 10.44 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

Instrument :

BNA\_F

ClientSampleId :

PJ-SB-3(16.0-16.5)

Manual Integrations  
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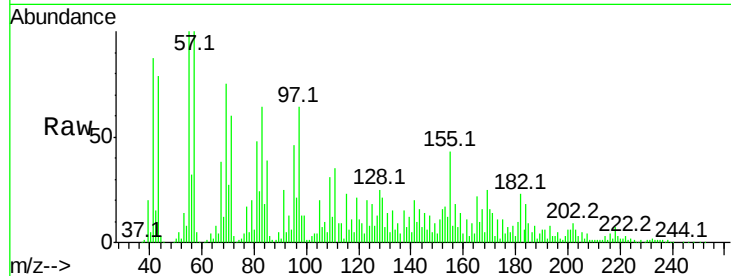
Tot Ion:198 Resp: 4639

Ion Ratio Lower Upper

198 100

51 555.4 18.9 58.9#

105 2123.4 26.4 66.4#



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

150000

100000

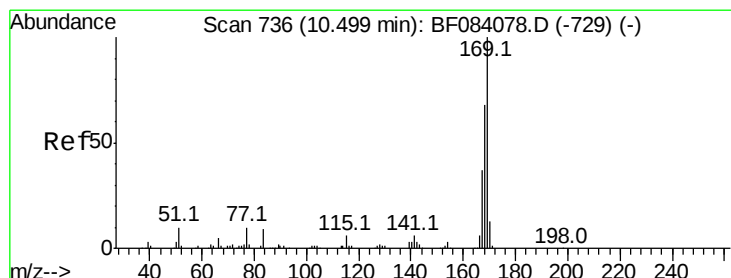
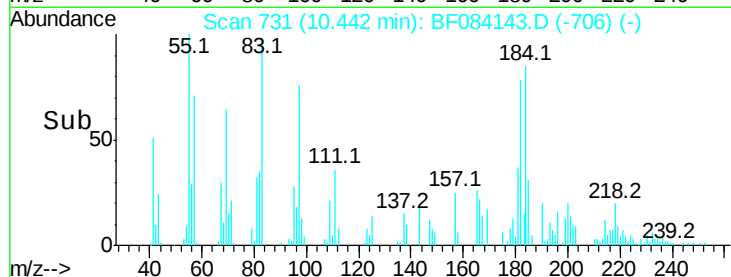
50000

0

10.35 10.40 10.45

10.44

Time-->



#65

n-Nitrosodiphenylamine

Concen: 75.15 ng

RT: 10.40 min Scan# 727

Delta R.T. -0.10 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

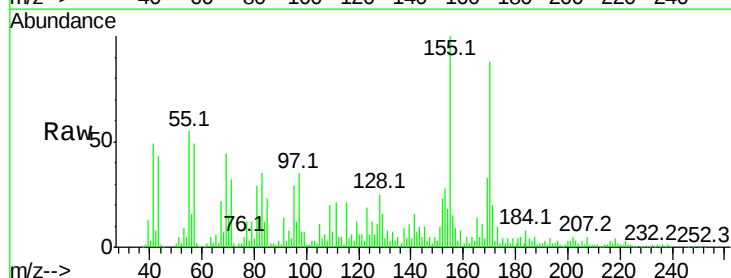
Tgt Ion:169 Resp: 166871

Ion Ratio Lower Upper

169 100

168 12.4 55.1 82.7#

167 33.8 30.0 45.0



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

200000

150000

100000

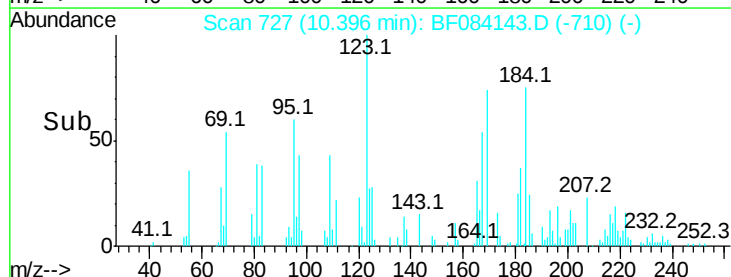
50000

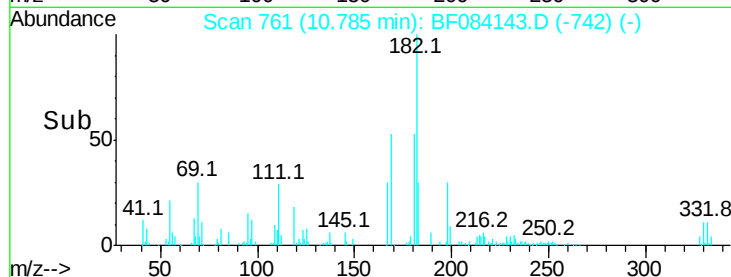
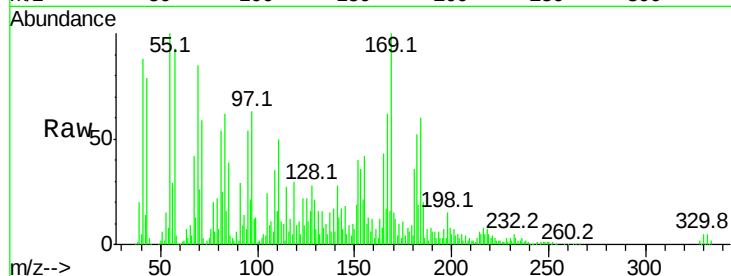
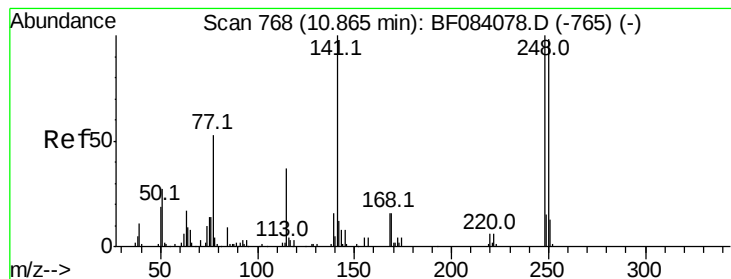
0

10.35 10.40 10.45

10.40

Time-->





#66

4-Bromophenyl-phenylether

Concen: 15.03 ng

RT: 10.78 min Scan# 761

Delta R.T. -0.08 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

Instrument :

BNA\_F

ClientSampleId :

PJ-SB-3(16.0-16.5)

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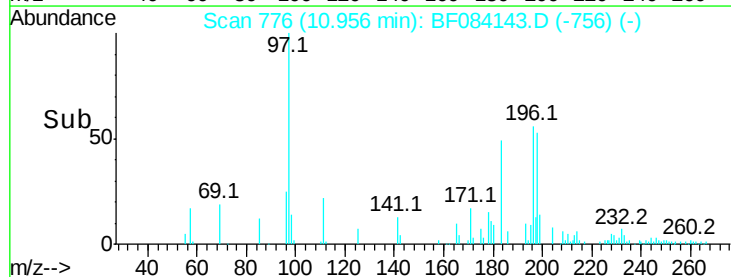
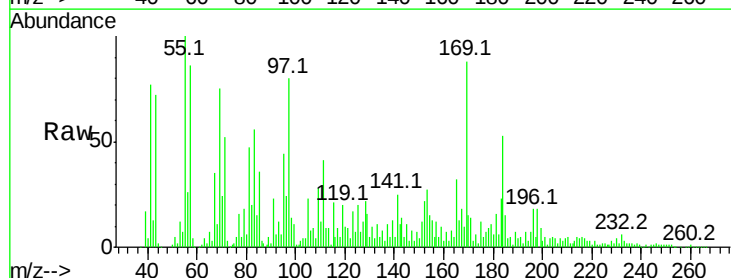
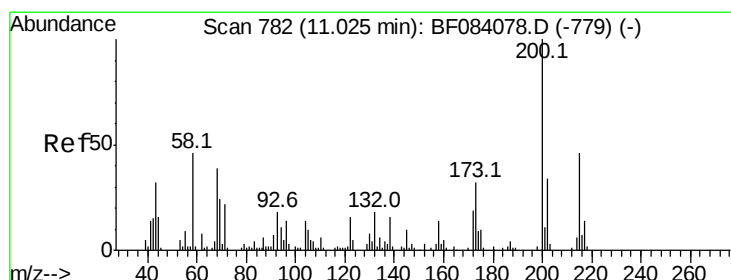
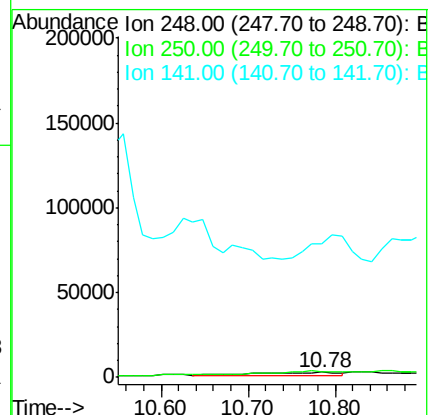
Tot Ion:248 Resp: 10846

Ion Ratio Lower Upper

248 100

250 108.5 78.4 117.6

141 2662.6 44.0 66.0



#68

Atrazine

Concen: 15.62 ng

RT: 10.96 min Scan# 776

Delta R.T. -0.07 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

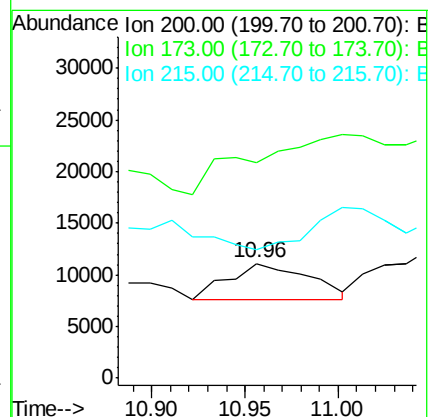
Tgt Ion:200 Resp: 10448

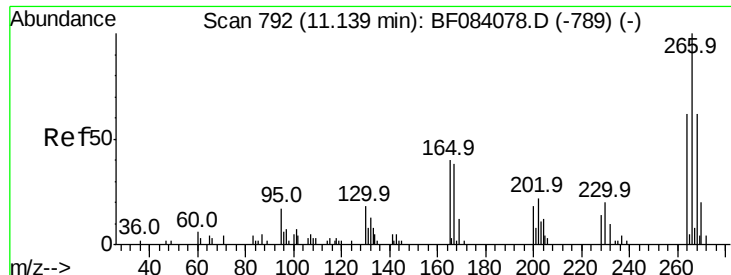
Ion Ratio Lower Upper

200 100

173 188.3 9.5 49.5#

215 112.7 23.8 63.8#





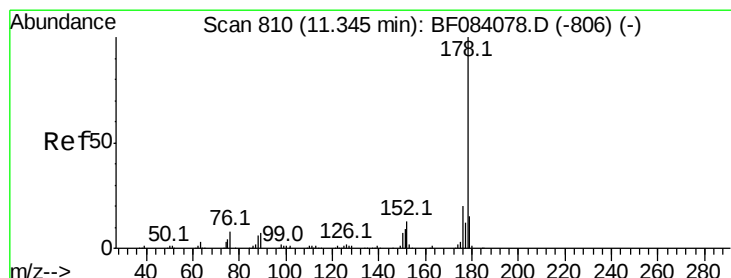
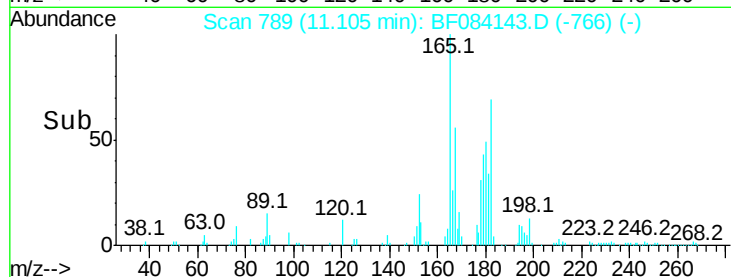
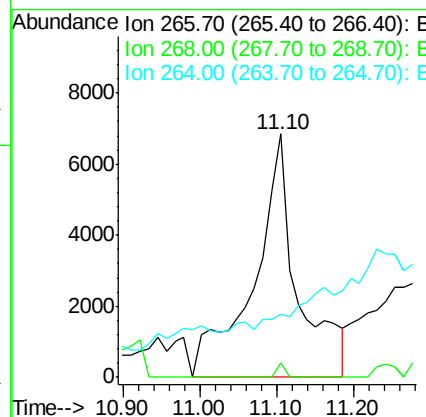
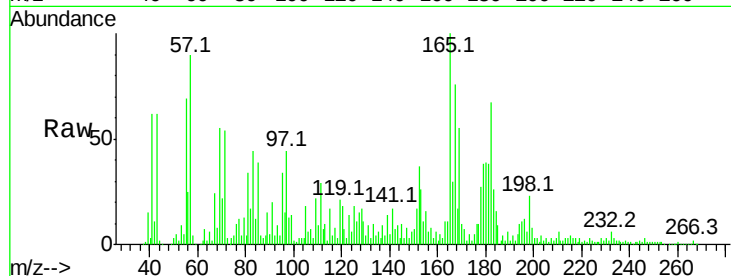
#69  
 Pentachlorophenol  
 Concen: 101.38 ng  
 RT: 11.10 min Scan# 789  
 Delta R.T. -0.03 min  
 Lab File: BF084143.D  
 Acq: 25 Dec 2015 22:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PJ-SB-3(16.0-16.5)

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 266     | 100   | 26938 |       |       |
| 268     | 6.1   | 52.4  | 78.6# |       |
| 264     | 25.9  | 50.2  | 75.2# |       |

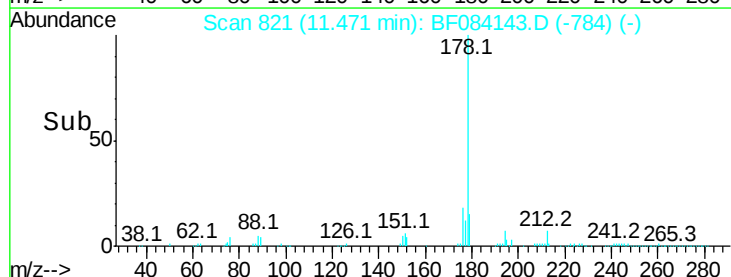
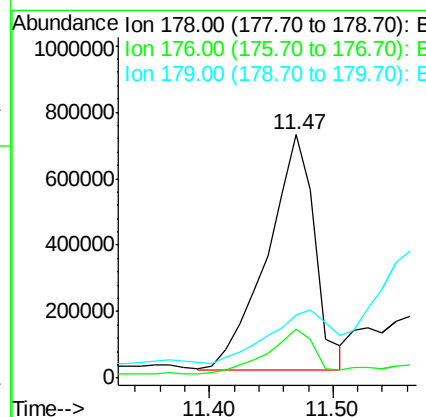
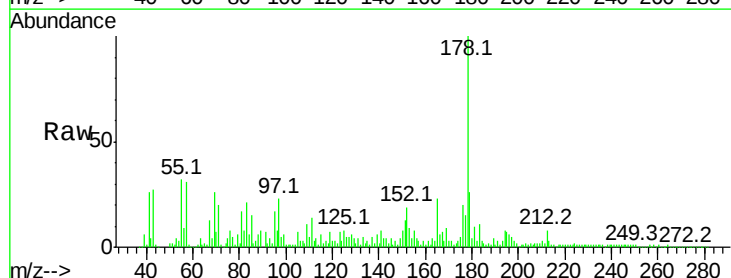
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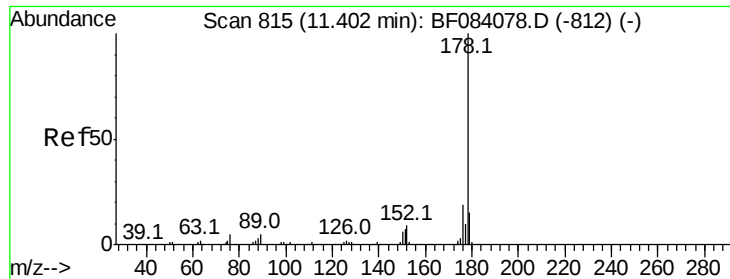
Sohil  
 12/29/2015 9:33:53 AM



#70  
 Phenanthrene  
 Concen: 505.81 ng m  
 RT: 11.47 min Scan# 821  
 Delta R.T. 0.13 min  
 Lab File: BF084143.D  
 Acq: 25 Dec 2015 22:06

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 178     | 100   | 1867916 |       |       |
| 176     | 20.1  | 15.3    | 22.9  |       |
| 179     | 26.1  | 12.0    | 18.0# |       |





#71

Anthracene

Concen: 477.53 ng

RT: 11.47 min Scan# 821

Delta R.T. 0.07 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

Instrument :

BNA\_F

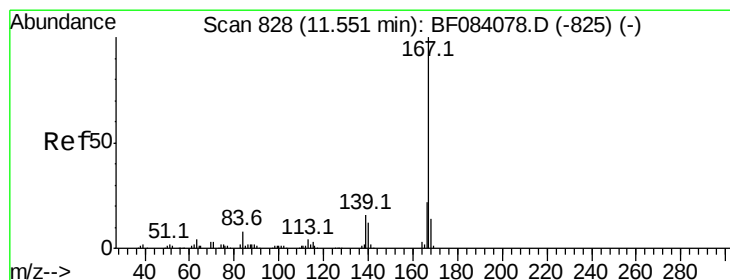
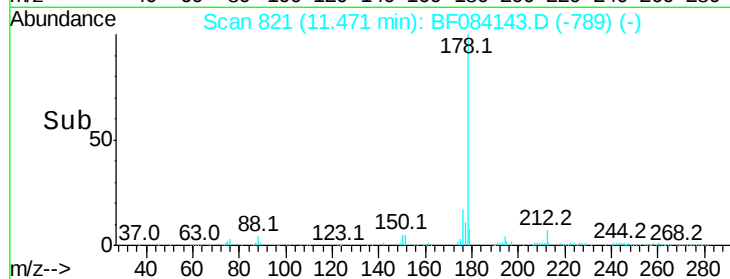
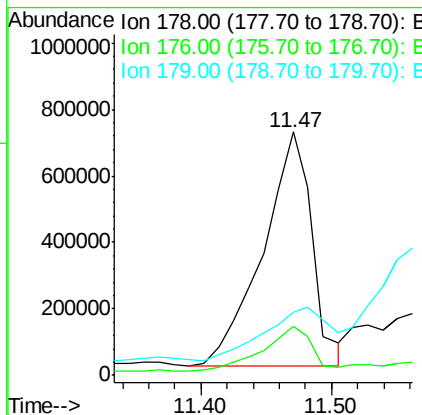
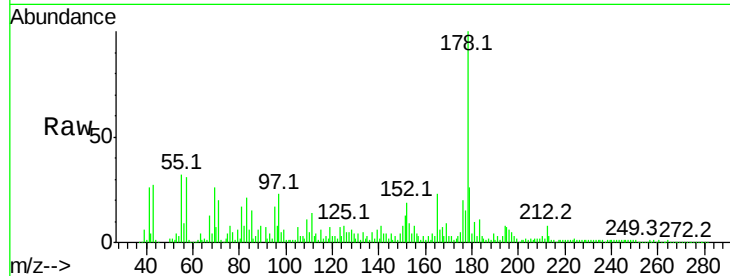
ClientSampleId :

PJ-SB-3(16.0-16.5)

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|             |               |       |       |
|-------------|---------------|-------|-------|
| Tot Ion:178 | Resp: 1843995 |       |       |
| Ion Ratio   | Lower         | Upper |       |
| 178         | 100           |       |       |
| 176         | 20.1          | 15.4  | 23.0  |
| 179         | 26.1          | 12.5  | 18.7# |



#72

Carbazole

Concen: 47.30 ng

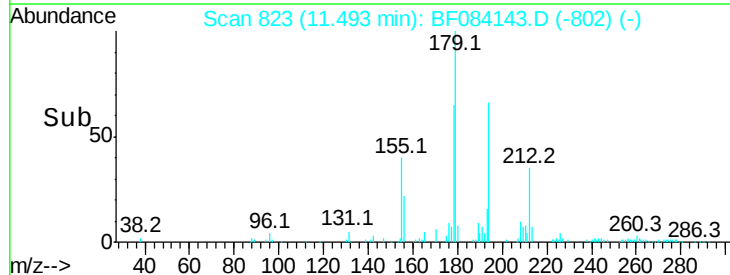
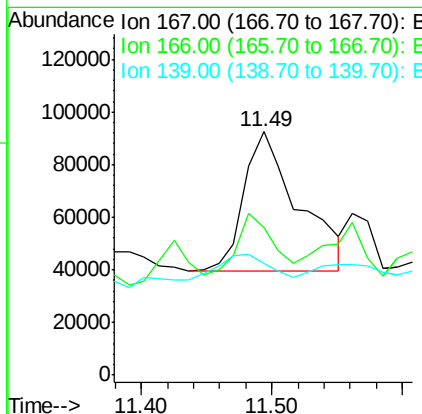
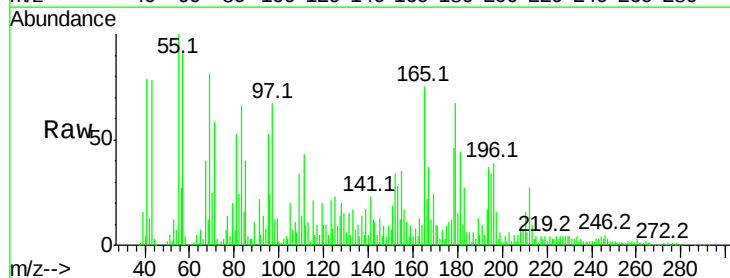
RT: 11.49 min Scan# 823

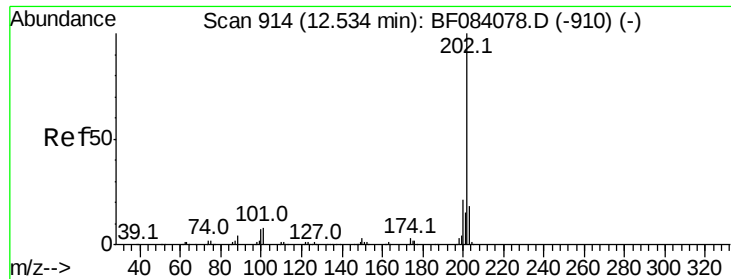
Delta R.T. -0.06 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:167 | Resp: | 155386 |
| Ion | Ratio   | Lower | Upper  |
| 167 | 100     |       |        |
| 166 | 60.9    | 17.6  | 26.4#  |
| 139 | 46.1    | 11.8  | 17.8#  |





#74

Fluoranthene

Concen: 39.36 ng

RT: 12.59 min Scan# 919

Delta R.T. 0.06 min

Lab File: BF084143.D

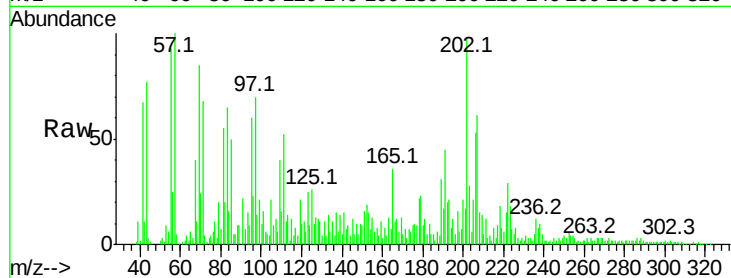
Acq: 25 Dec 2015 22:06

Instrument :

BNA\_F

ClientSampleId :

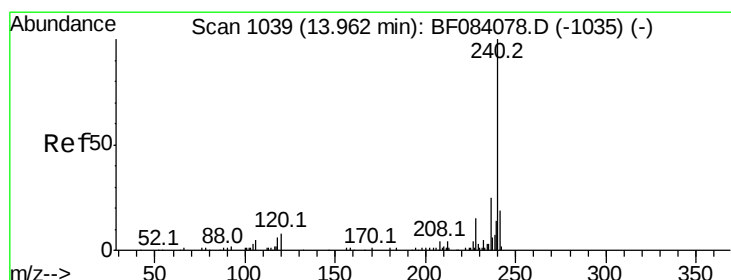
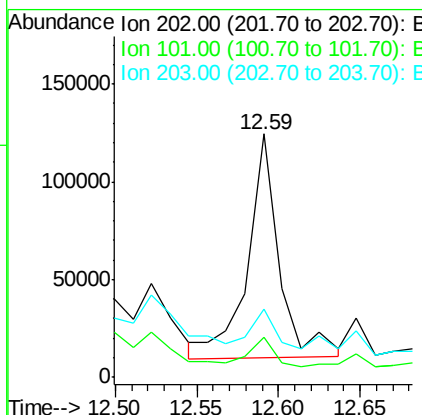
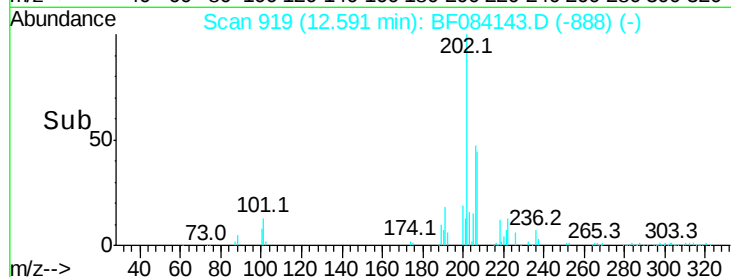
PJ-SB-3(16.0-16.5)



| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 202     | 100  |       |      |       |       |
| 101     | 16.7 | 0.0   | 32.8 |       |       |
| 203     | 28.3 | 0.0   | 37.9 |       |       |

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#75

Chrysene-d12

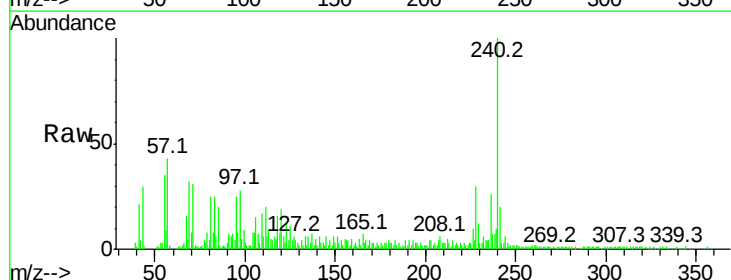
Concen: 20.00 ng

RT: 13.96 min Scan# 1039

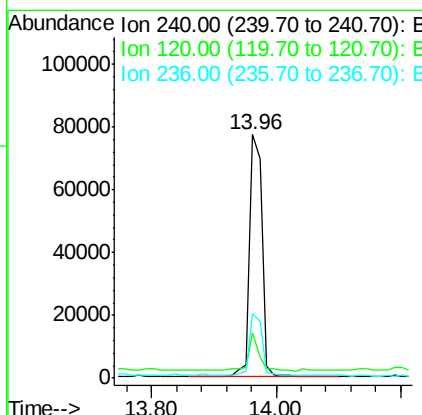
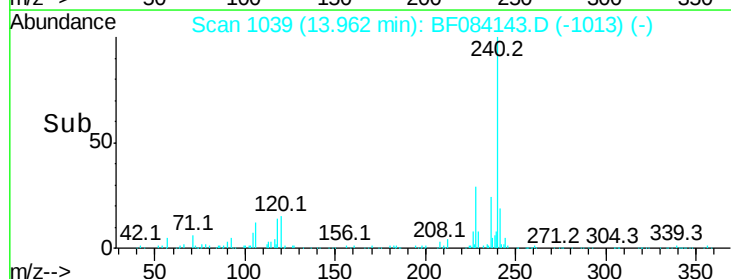
Delta R.T. 0.00 min

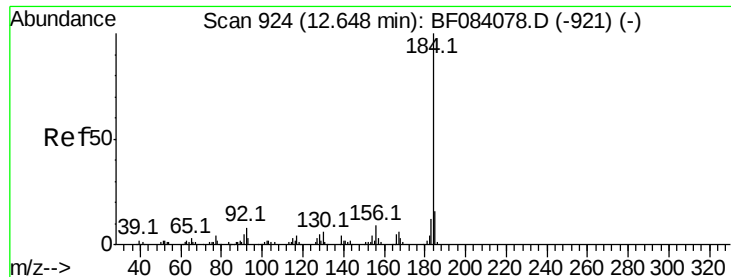
Lab File: BF084143.D

Acq: 25 Dec 2015 22:06



| Tgt Ion | Ion  | Ratio | Resp  | Lower | Upper |
|---------|------|-------|-------|-------|-------|
| 240     | 100  |       |       |       |       |
| 120     | 18.5 | 9.5   | 14.3# |       |       |
| 236     | 26.4 | 20.6  | 31.0  |       |       |





#76

Benzidine

Concen: 3.95 ng

RT: 12.63 min Scan# 922

Delta R.T. -0.02 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

Instrument :

BNA\_F

ClientSampleId :

PJ-SB-3(16.0-16.5)

Tot Ion:184 Resp: 14648

Ion Ratio Lower Upper

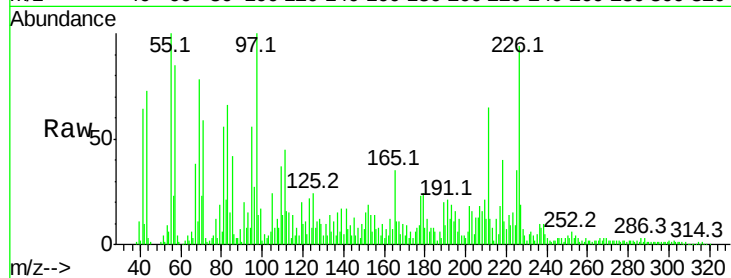
184 100

185 81.3 12.2 18.2#

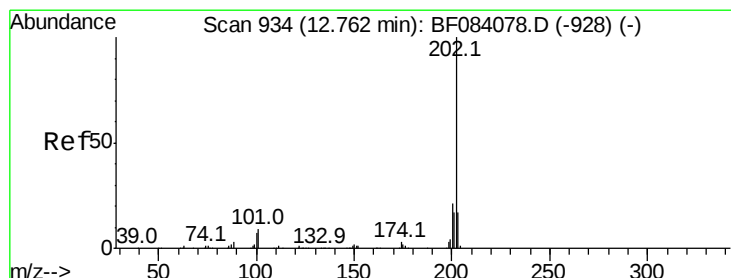
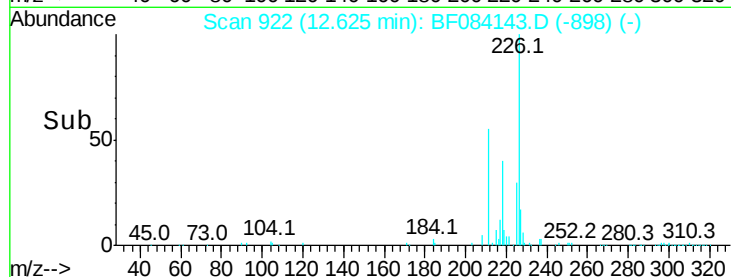
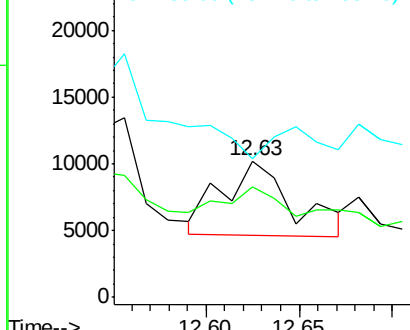
183 101.5 9.8 14.8#

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



#77

Pyrene

Concen: 32.52 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.05 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

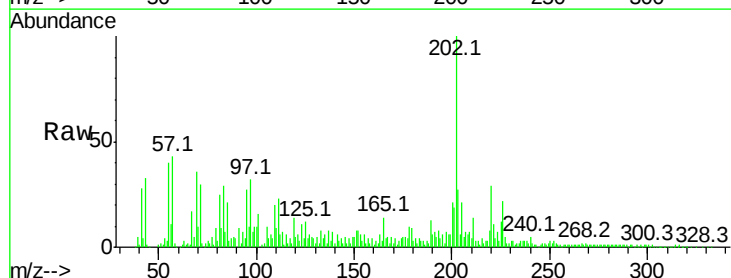
Tgt Ion:202 Resp: 306049

Ion Ratio Lower Upper

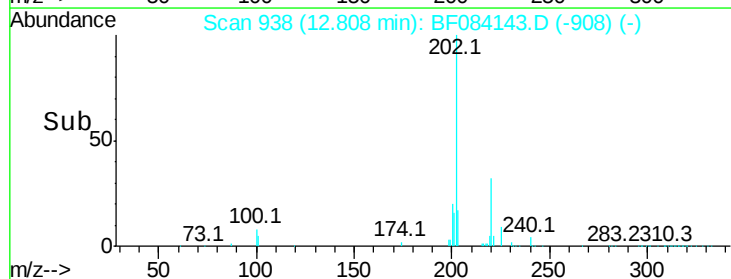
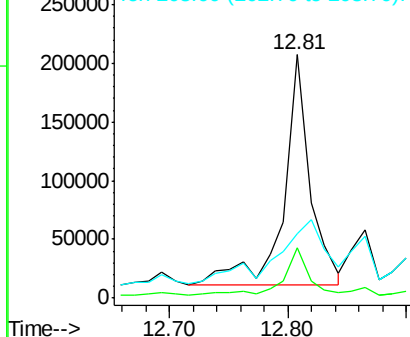
202 100

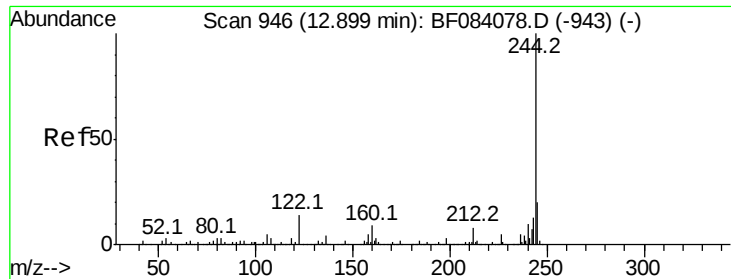
200 20.8 17.2 25.8

203 26.7 14.3 21.5#



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 58.43 ng

RT: 12.93 min Scan# 949

Delta R.T. 0.03 min

Lab File: BF084143.D

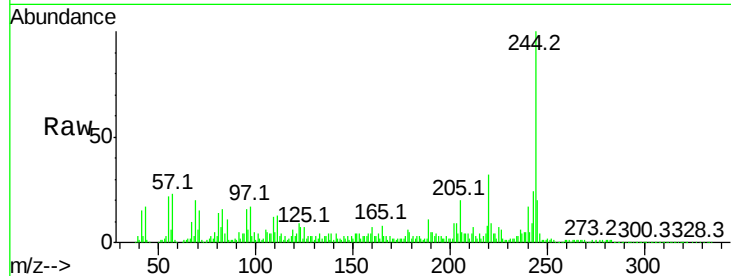
Acq: 25 Dec 2015 22:06

Instrument :

BNA\_F

ClientSampleId :

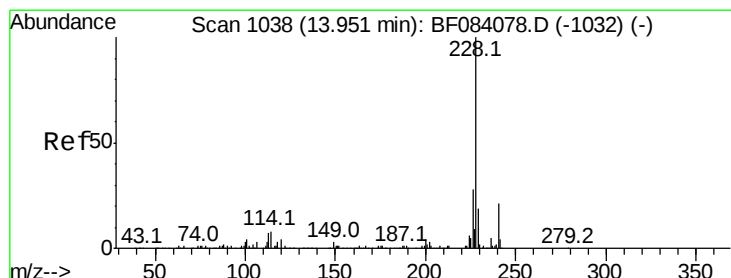
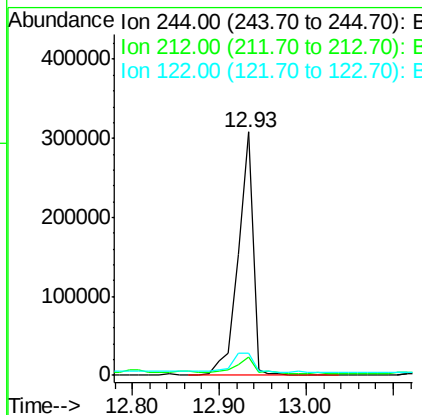
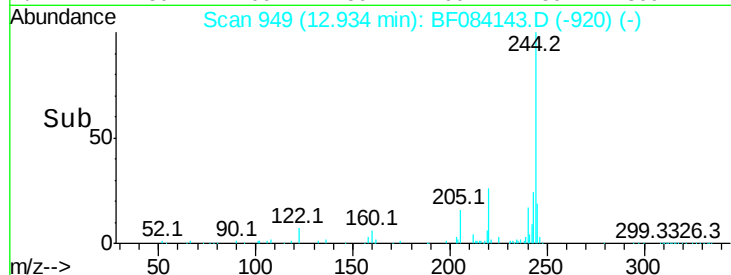
PJ-SB-3(16.0-16.5)



| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.3   | 5.7   | 8.5   |
| 122     | 9.3   | 7.4   | 11.0  |

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#80

Benzo(a)anthracene

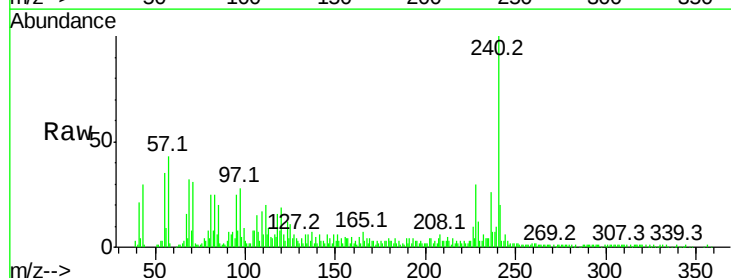
Concen: 5.92 ng

RT: 13.96 min Scan# 1039

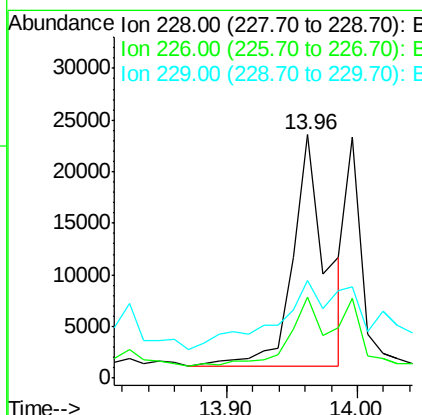
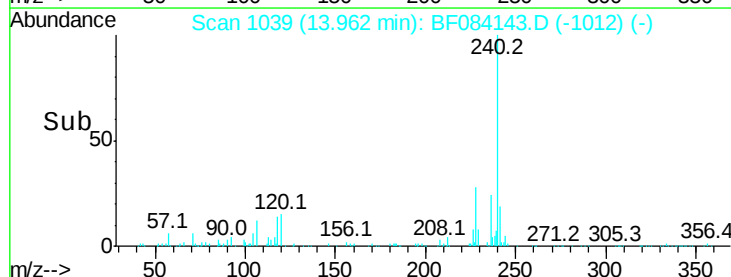
Delta R.T. 0.01 min

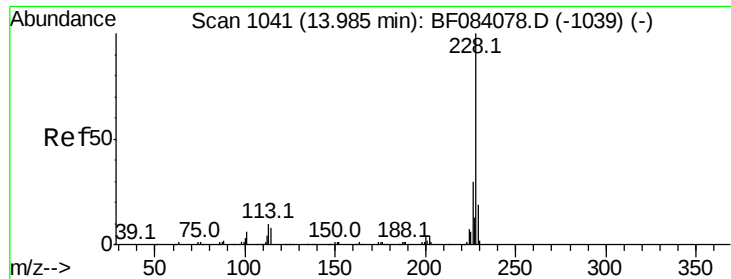
Lab File: BF084143.D

Acq: 25 Dec 2015 22:06



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 33.4  | 21.8  | 32.6# |
| 229     | 40.0  | 15.8  | 23.8# |





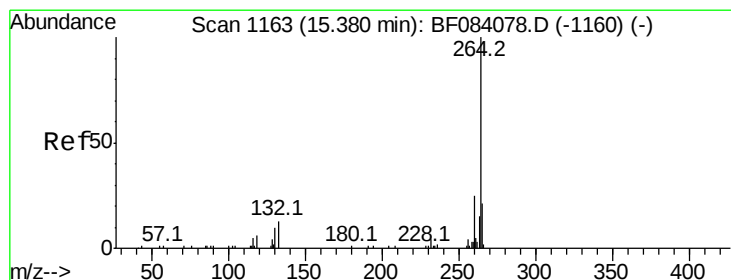
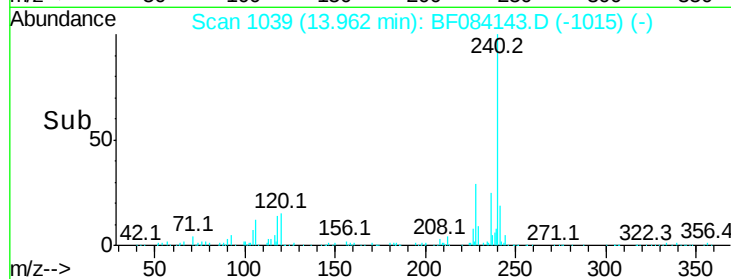
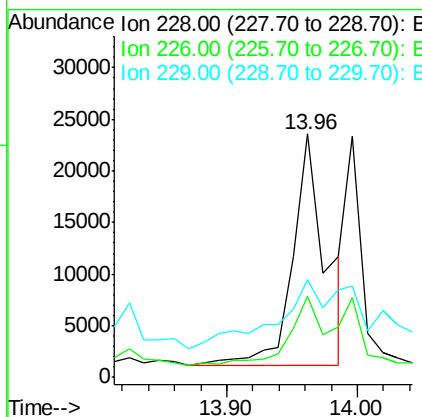
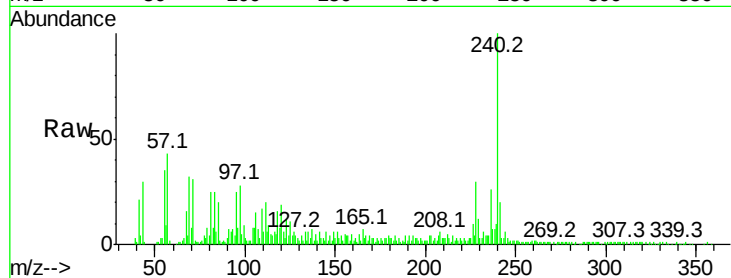
#82  
 Chrysene  
 Concen: 6.42 ng  
 RT: 13.96 min Scan# 1039  
 Delta R.T. -0.02 min  
 Lab File: BF084143.D  
 Acq: 25 Dec 2015 22:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PJ-SB-3(16.0-16.5)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 33.4  | 24.3  | 36.5  |
| 229     | 40.0  | 16.1  | 24.1  |

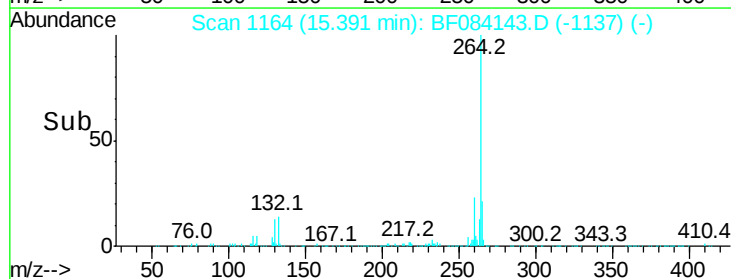
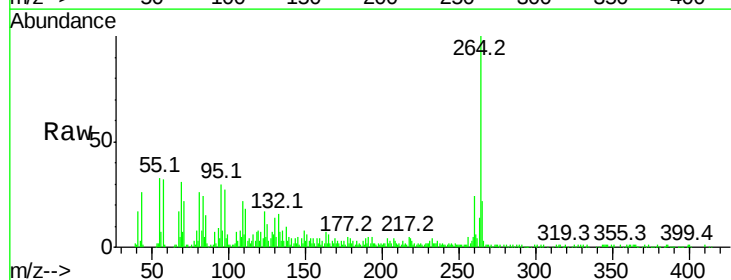
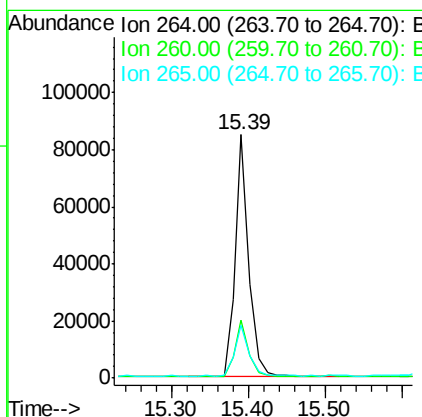
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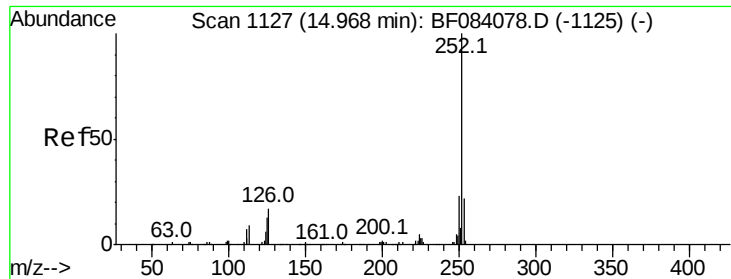
Sohil  
 12/29/2015 9:33:53 AM



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.39 min Scan# 1164  
 Delta R.T. 0.01 min  
 Lab File: BF084143.D  
 Acq: 25 Dec 2015 22:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 19.4  | 29.2  |
| 265     | 21.6  | 17.8  | 26.6  |





#87

Benzo(b)fluoranthene

Concen: 3.26 ng

RT: 14.99 min Scan# 1129

Delta R.T. 0.02 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

Instrument :

BNA\_F

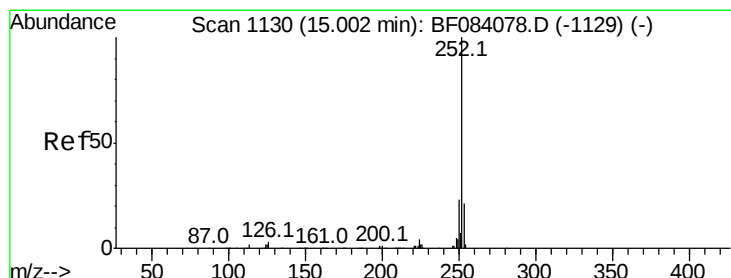
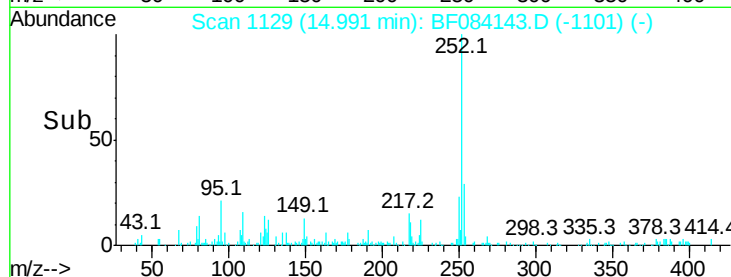
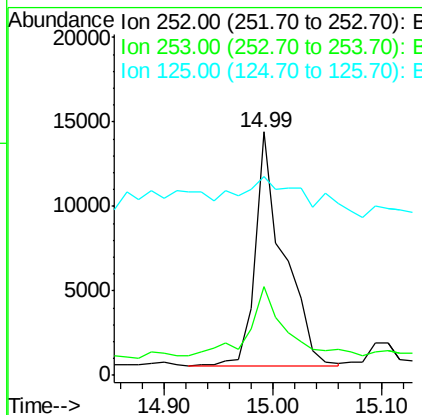
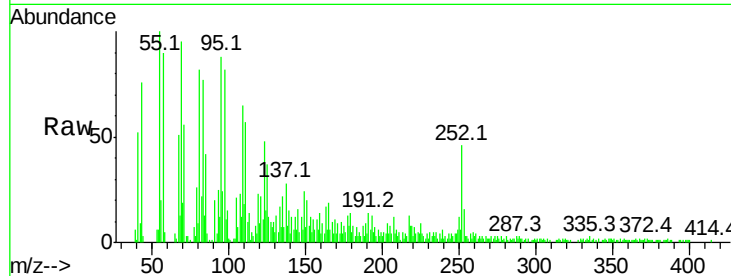
ClientSampleId :

PJ-SB-3(16.0-16.5)

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 252   | Resp: | 25559 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 36.2  | 17.3  | 25.9# |
| 125       | 81.5  | 6.5   | 9.7#  |

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#88

Benzo(k)fluoranthene

Concen: 4.81 ng

RT: 14.99 min Scan# 1129

Delta R.T. -0.01 min

Lab File: BF084143.D

Acq: 25 Dec 2015 22:06

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 25559 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 36.2  | 18.1  | 27.1# |
| 125       | 81.5  | 9.0   | 13.6# |

