

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF122018\  
 Data File : BF111664.D  
 Acq On : 21 Dec 2018 2:59  
 Operator : JU/SJ  
 Sample : J6447-10MSD 10X  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS025-1218-01MSD

Quant Time: Dec 21 06:24:38 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF121918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 19 17:39:39 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.90  | 152  | 191700   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.17  | 136  | 710466   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.93  | 164  | 303260   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.42 | 188  | 475330   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.04 | 240  | 490482   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.52 | 264  | 353206   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |      |    |       |
|--------------------------|-------|-----|--------|------|----|-------|
| 5) 2-Fluorophenol        | 5.51  | 112 | 88717  | 7.89 | ng | 0.00  |
| 7) Phenol-d6             | 6.51  | 99  | 113723 | 7.95 | ng | -0.01 |
| 23) Nitrobenzene-d5      | 7.45  | 82  | 61955  | 5.08 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.71 | 330 | 20686  | 5.77 | ng | -0.01 |
| 45) 2-Fluorobiphenyl     | 9.25  | 172 | 124441 | 5.98 | ng | 0.00  |
| 79) Terphenyl-d14        | 12.99 | 244 | 105618 | 4.08 | ng | 0.00  |

## Target Compounds

|                                |      |     |       |       |    | Qvalue |
|--------------------------------|------|-----|-------|-------|----|--------|
| 2) 1,4-Dioxane                 | 2.69 | 88  | 10981 | 2.075 | ng | # 86   |
| 4) n-Nitrosodimethylamine      | 3.38 | 42  | 18075 | 2.679 | ng | # 70   |
| 8) 2-Chlorophenol              | 6.67 | 128 | 32080 | 2.575 | ng | 99     |
| 10) Phenol                     | 6.52 | 94  | 47304 | 2.929 | ng | 94     |
| 11) bis(2-Chloroethyl)ether    | 6.62 | 93  | 29781 | 2.461 | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 6.84 | 146 | 37797 | 2.618 | ng | 94     |
| 13) 1,4-Dichlorobenzene        | 6.91 | 146 | 37054 | 2.531 | ng | 95     |
| 14) 1,2-Dichlorobenzene        | 6.91 | 146 | 37054 | 2.712 | ng | 98     |
| 15) Benzyl Alcohol             | 7.02 | 79  | 27482 | 2.418 | ng | 90     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.17 | 45  | 50828 | 2.281 | ng | 97     |
| 17) 2-Methylphenol             | 7.13 | 107 | 24617 | 2.468 | ng | 94     |
| 19) n-Nitroso-di-n-propylamine | 7.29 | 70  | 22479 | 2.365 | ng | 94     |
| 20) 3+4-Methylphenols          | 7.29 | 107 | 33492 | 2.657 | ng | # 81   |
| 22) Acetophenone               | 7.29 | 105 | 44839 | 2.491 | ng | # 92   |
| 24) Nitrobenzene               | 7.46 | 77  | 32073 | 2.507 | ng | 94     |
| 25) Isophorone                 | 7.70 | 82  | 58529 | 2.701 | ng | 96     |
| 26) 2-Nitrophenol              | 7.79 | 139 | 11314 | 2.181 | ng | 93     |
| 27) 2,4-Dimethylphenol         | 7.82 | 122 | 27232 | 2.663 | ng | 93     |
| 28) bis(2-Chloroethoxy)methane | 7.92 | 93  | 35394 | 2.455 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 8.03 | 162 | 25750 | 2.341 | ng | 92     |
| 30) 1,2,4-Trichlorobenzene     | 8.12 | 180 | 30139 | 2.459 | ng | 95     |
| 31) Naphthalene                | 8.20 | 128 | 91530 | 2.681 | ng | 96     |
| 34) Hexachlorobutadiene        | 8.32 | 225 | 17178 | 2.299 | ng | 92     |
| 36) 4-Chloro-3-methylphenol    | 8.71 | 107 | 23195 | 2.145 | ng | 93     |
| 37) 2-Methylnaphthalene        | 8.89 | 142 | 60418 | 2.720 | ng | 96     |
| 38) 1-Methylnaphthalene        | 8.99 | 142 | 55701 | 2.611 | ng | 98     |
| 40) 1,2,4,5-Tetrachlorobenzene | 9.06 | 216 | 27139 | 2.723 | ng | # 97   |
| 43) 2,4,6-Trichlorophenol      | 9.16 | 196 | 15422 | 2.318 | ng | 90     |
| 44) 2,4,5-Trichlorophenol      | 9.20 | 196 | 16001 | 2.344 | ng | # 89   |
| 46) 1,1'-Biphenyl              | 9.35 | 154 | 70348 | 2.748 | ng | 93     |
| 47) 2-Chloronaphthalene        | 9.37 | 162 | 52256 | 2.576 | ng | 91     |
| 48) 2-Nitroaniline             | 9.46 | 65  | 14050 | 2.663 | ng | 90     |
| 49) Acenaphthylene             | 9.79 | 152 | 79914 | 2.699 | ng | 93     |
| 50) Dimethylphthalate          | 9.64 | 163 | 69114 | 3.117 | ng | 97     |

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 19 17:39:39 2018  
 Response via : Initial Calibration

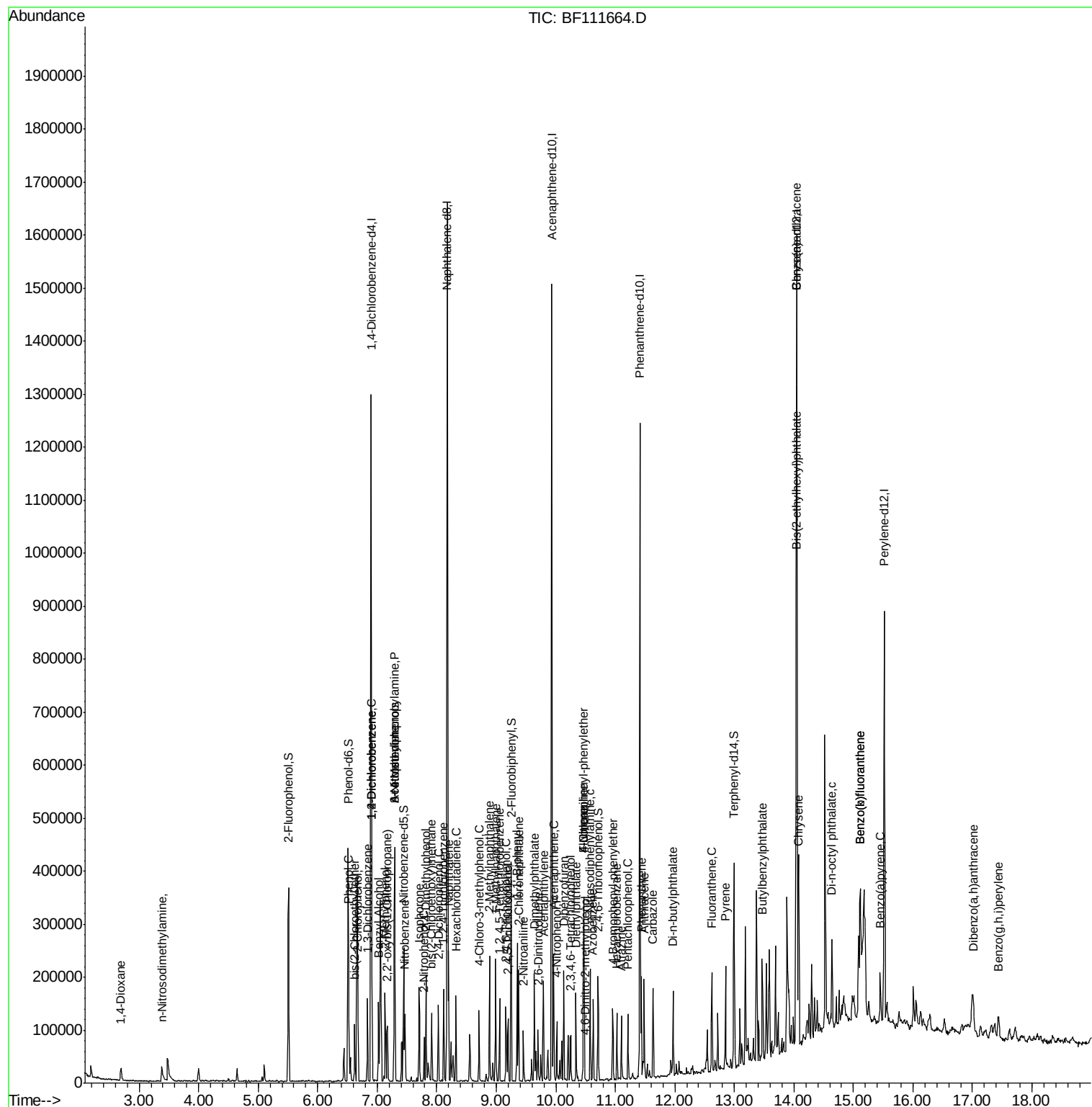
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| -----                          |       |      |          |       |       |          |
| 51) 2,6-Dinitrotoluene         | 9.70  | 165  | 10212    | 2.309 | ng    | # 92     |
| 52) Acenaphthene               | 9.96  | 154  | 46488    | 2.545 | ng    | 98       |
| 55) Dibenzofuran               | 10.13 | 168  | 69885    | 2.533 | ng    | 91       |
| 56) 4-Nitrophenol              | 10.02 | 139  | 13160    | 3.657 | ng    | 90       |
| 58) Fluorene                   | 10.47 | 166  | 51886    | 2.609 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.25 | 232  | 12127    | 2.111 | ng    | # 84     |
| 60) Diethylphthalate           | 10.34 | 149  | 55413    | 2.547 | ng    | 100      |
| 61) 4-Chlorophenyl-phenylether | 10.47 | 204  | 26450    | 2.408 | ng    | 90       |
| 62) 4-Nitroaniline             | 10.47 | 138  | 9685     | 2.113 | ng    | 90       |
| 63) Azobenzene                 | 10.63 | 77   | 46574    | 2.133 | ng    | 95       |
| 65) 4,6-Dinitro-2-methylphenol | 10.50 | 198  | 163      | 6.764 | ng    | # 2      |
| 66) n-Nitrosodiphenylamine     | 10.58 | 169  | 43886    | 2.750 | ng    | 97       |
| 67) 4-Bromophenyl-phenylether  | 10.96 | 248  | 15052    | 2.553 | ng    | 91       |
| 68) Hexachlorobenzene          | 11.03 | 284  | 16348    | 2.487 | ng    | 91       |
| 69) Atrazine                   | 11.10 | 200  | 14776    | 2.666 | ng    | 94       |
| 70) Pentachlorophenol          | 11.22 | 266  | 12851    | 3.162 | ng    | 96       |
| 71) Phenanthrene               | 11.43 | 178  | 69942    | 2.775 | ng    | 94       |
| 72) Anthracene                 | 11.49 | 178  | 68331    | 2.701 | ng    | 93       |
| 73) Carbazole                  | 11.63 | 167  | 58394    | 2.377 | ng    | 94       |
| 74) Di-n-butylphthalate        | 11.97 | 149  | 68777    | 2.497 | ng    | 97       |
| 75) Fluoranthene               | 12.62 | 202  | 69836    | 2.736 | ng    | 95       |
| 78) Pyrene                     | 12.85 | 202  | 72760    | 2.101 | ng    | 93       |
| 80) Butylbenzylphthalate       | 13.47 | 149  | 29875    | 2.116 | ng    | # 86     |
| 81) Benzo(a)anthracene         | 14.04 | 228  | 75147    | 2.685 | ng    | 97       |
| 83) Chrysene                   | 14.07 | 228  | 69152    | 2.514 | ng    | 97       |
| 84) Bis(2-ethylhexyl)phthalate | 14.03 | 149  | 41342    | 2.325 | ng    | # 98     |
| 85) Di-n-octyl phthalate       | 14.64 | 149  | 73243    | 2.658 | ng    | # 98     |
| 88) Benzo(b)fluoranthene       | 15.12 | 252  | 53550    | 2.594 | ng    | 97       |
| 89) Benzo(k)fluoranthene       | 15.12 | 252  | 53550    | 2.725 | ng    | 97       |
| 90) Benzo(a)pyrene             | 15.45 | 252  | 48299    | 2.575 | ng    | 97       |
| 91) Dibenzo(a,h)anthracene     | 17.02 | 278  | 37871    | 2.306 | ng    | # 87     |
| 92) Benzo(g,h,i)perylene       | 17.44 | 276  | 34397    | 2.145 | ng    | 92       |
| -----                          |       |      |          |       |       |          |

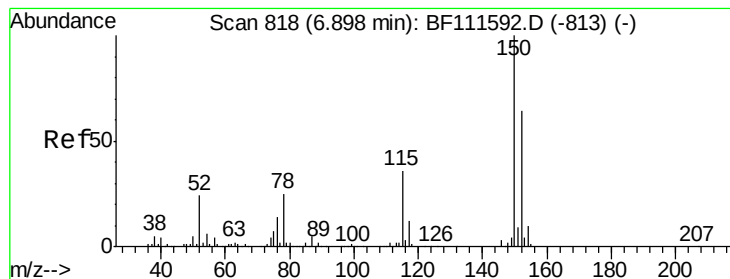
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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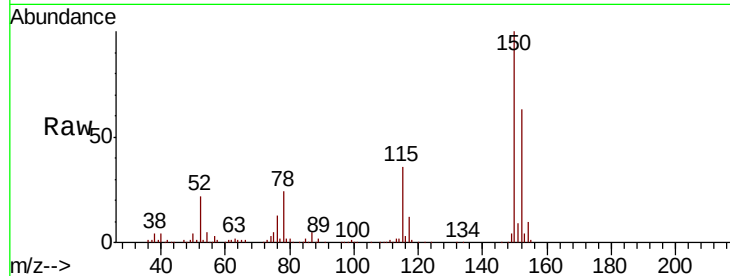


#1

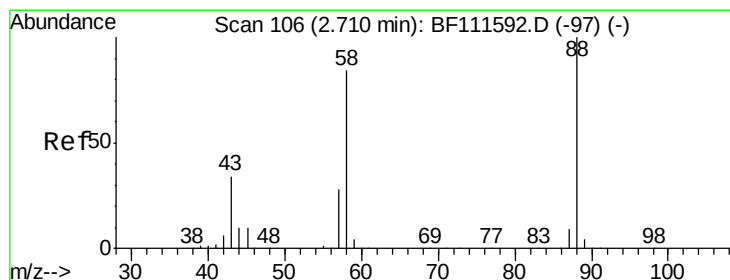
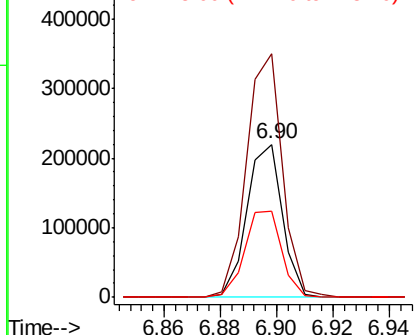
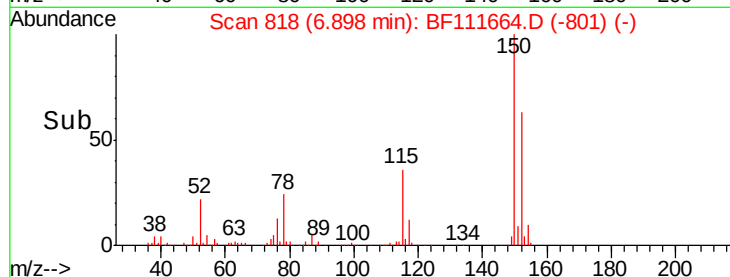
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.90 min Scan# 818  
Delta R.T. -0.00 min  
Lab File: BF111664.D  
Acq: 21 Dec 2018 2:59

Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-1218-01MSD

Tgt Ion:152 Resp: 191700  
Ion Ratio Lower Upper  
152 100  
150 159.1 126.6 189.8  
115 56.7 50.7 76.1



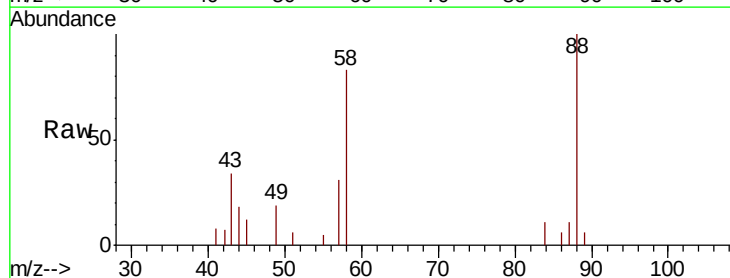
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



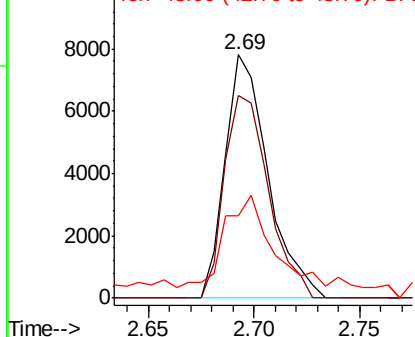
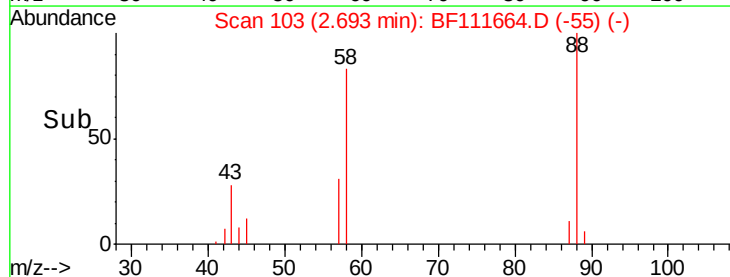
#2

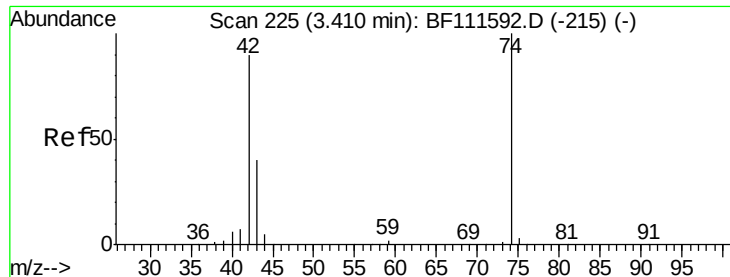
1,4-Dioxane  
Concen: 2.075 ng  
RT: 2.69 min Scan# 103  
Delta R.T. -0.02 min  
Lab File: BF111664.D  
Acq: 21 Dec 2018 2:59

Tgt Ion: 88 Resp: 10981  
Ion Ratio Lower Upper  
88 100  
58 86.0 68.9 103.3  
43 60.9 25.8 38.6#



Abundance Ion 88.00 (87.70 to 88.70): BF1  
Ion 58.00 (57.70 to 58.70): BF1  
Ion 43.00 (42.70 to 43.70): BF1





#4

n-Nitrosodimethylamine

Concen: 2.679 ng

RT: 3.38 min Scan# 220

Delta R.T. -0.03 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

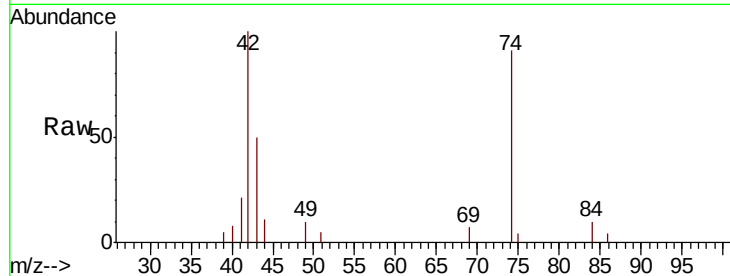
Tgt Ion: 42 Resp: 18075

Ion Ratio Lower Upper

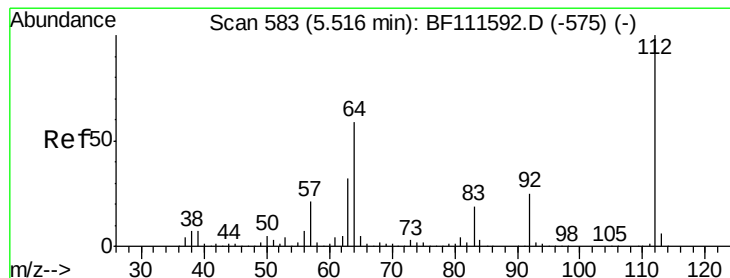
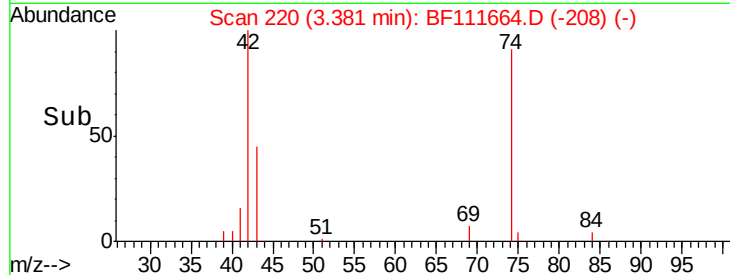
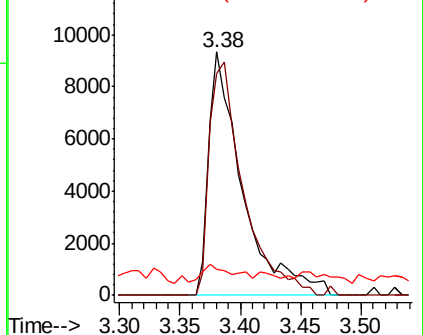
42 100

74 91.3 101.5 152.3#

44 10.5 6.0 9.0#



Abundance Ion 42.00 (41.70 to 42.70): BF1  
Ion 74.00 (73.70 to 74.70): BF1  
Ion 44.00 (43.70 to 44.70): BF1



#5

2-Fluorophenol

Concen: 7.888 ng

RT: 5.51 min Scan# 582

Delta R.T. -0.01 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

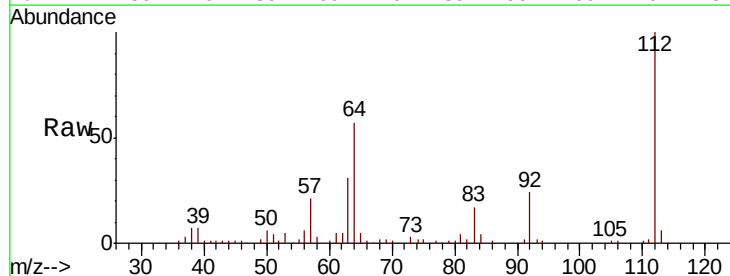
Tgt Ion: 112 Resp: 88717

Ion Ratio Lower Upper

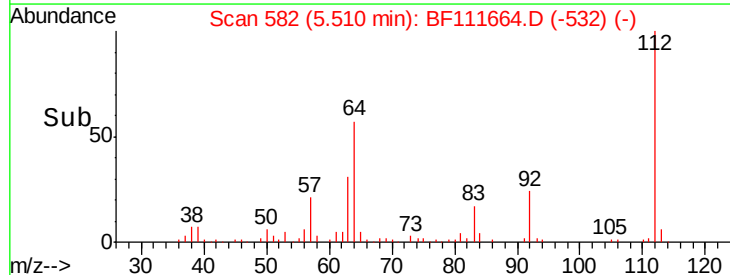
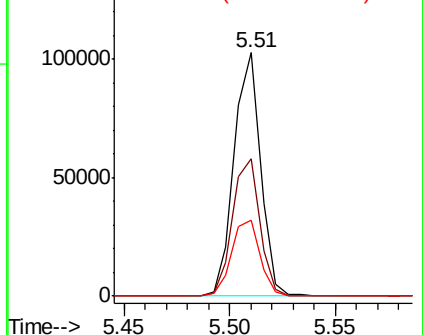
112 100

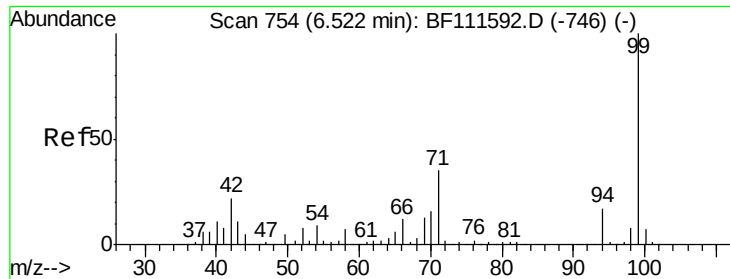
64 56.5 51.8 77.6

63 31.0 26.8 40.2



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





#7

Phenol-d6

Concen: 7.946 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

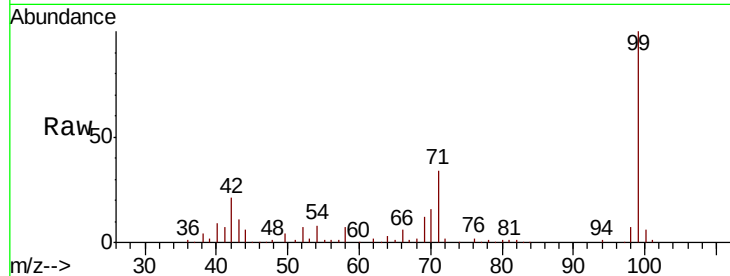
Tgt Ion: 99 Resp: 113723

Ion Ratio Lower Upper

99 100

42 20.6 17.4 26.0

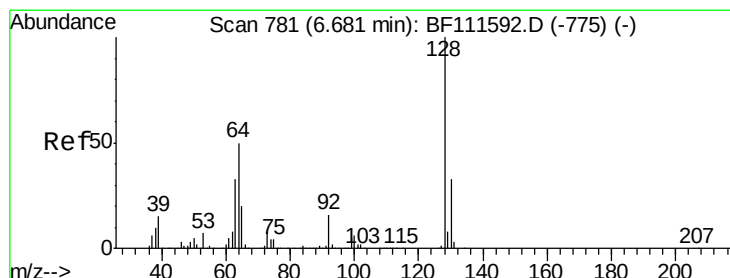
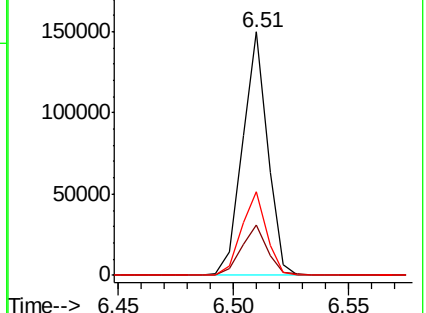
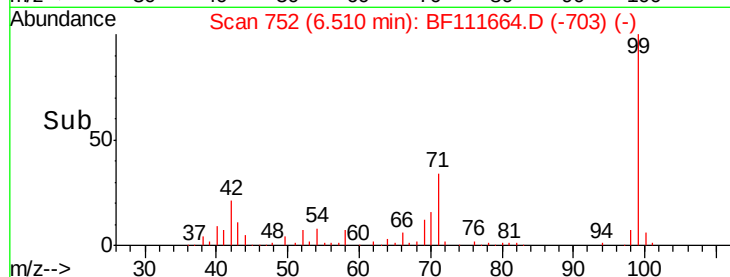
71 34.4 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 2.575 ng

RT: 6.67 min Scan# 780

Delta R.T. -0.01 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

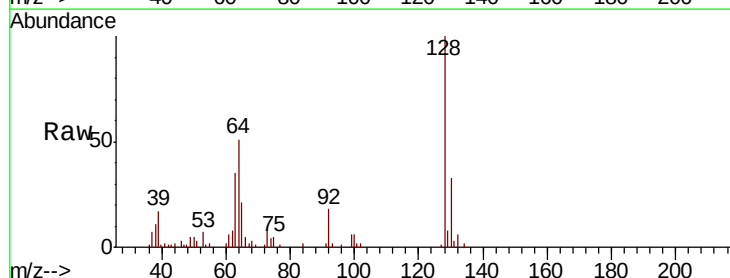
Tgt Ion: 128 Resp: 32080

Ion Ratio Lower Upper

128 100

130 32.6 12.7 52.7

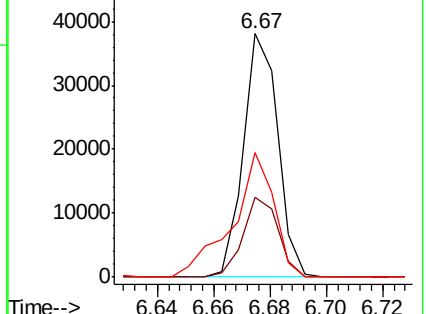
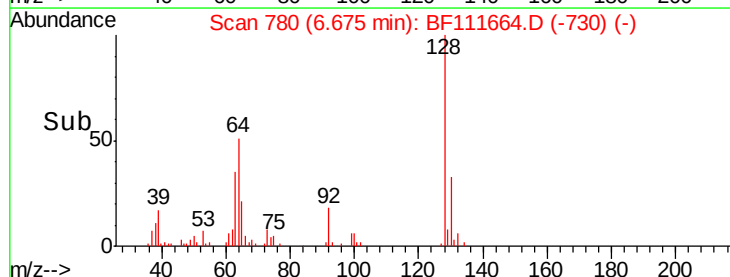
64 51.0 30.0 70.0

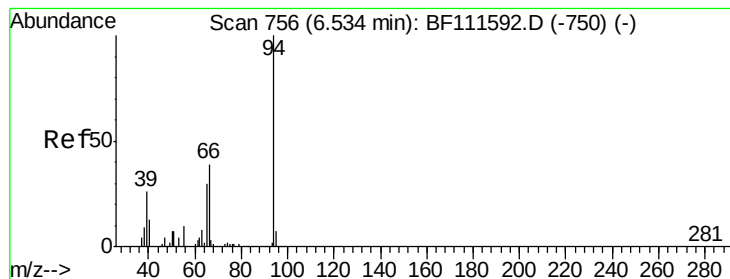


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#10

Phenol

Concen: 2.929 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.01 min

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ClientSampleId :

P001-SS025-1218-01MSD

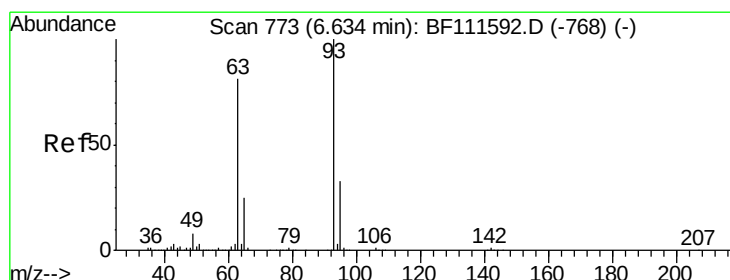
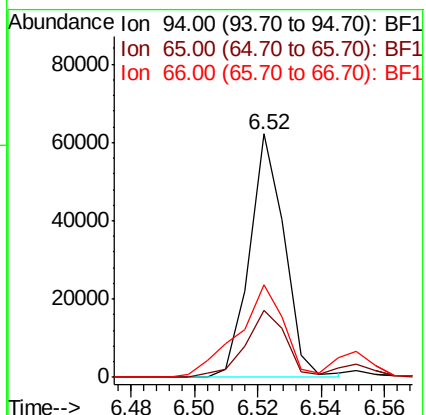
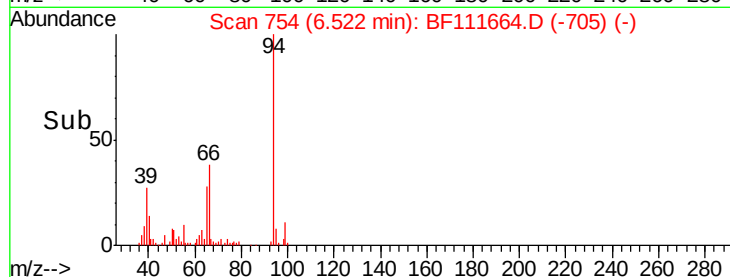
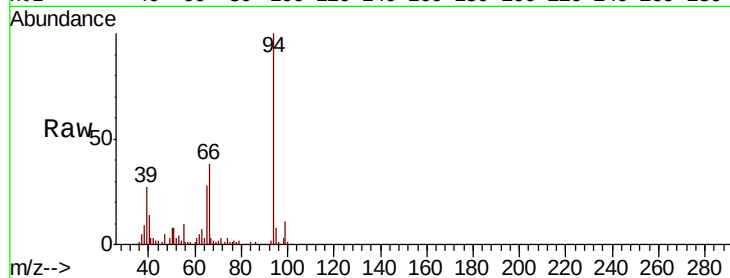
Tgt Ion: 94 Resp: 47304

Ion Ratio Lower Upper

94 100

65 27.7 11.7 51.7

66 37.8 21.0 61.0



#11

bis(2-Chloroethyl)ether

Concen: 2.461 ng

RT: 6.62 min Scan# 771

Delta R.T. -0.01 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

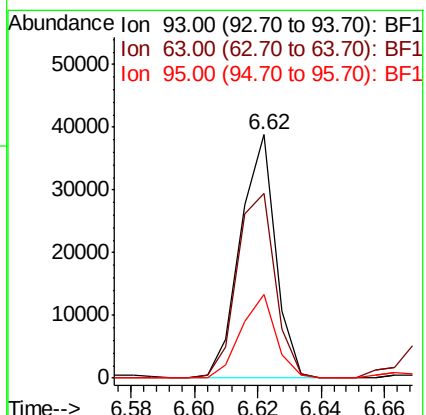
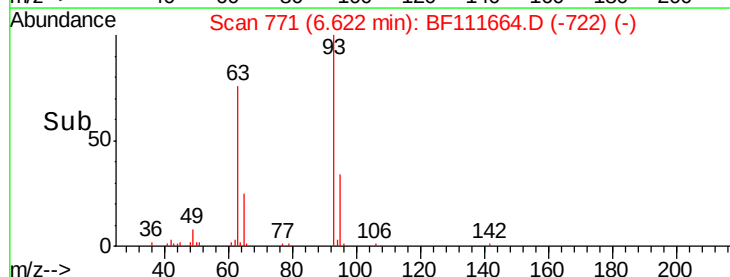
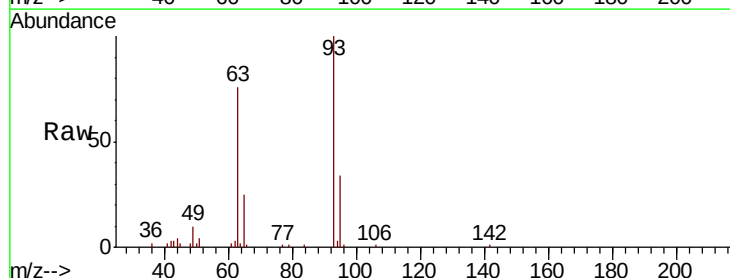
Tgt Ion: 93 Resp: 29781

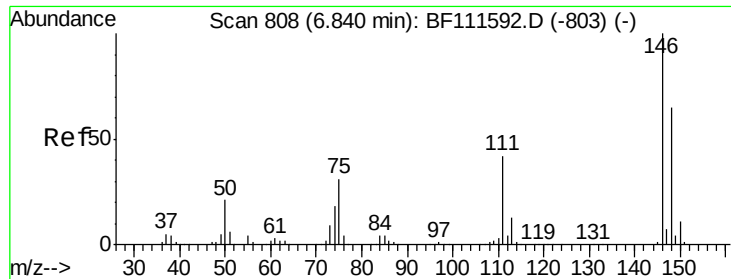
Ion Ratio Lower Upper

93 100

63 76.1 60.0 100.0

95 34.3 13.4 53.4

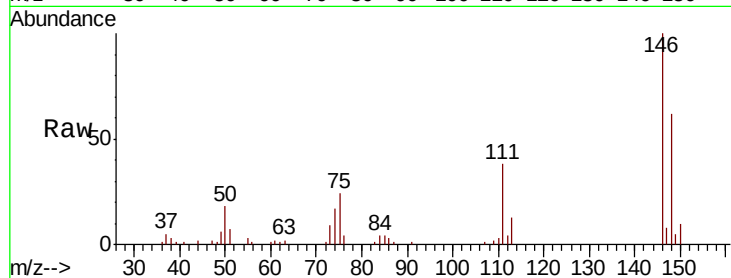




#12  
 1,3-Dichlorobenzene  
 Concen: 2.618 ng  
 RT: 6.84 min Scan# 808  
 Delta R.T. -0.00 min  
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Instrument :  
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| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.2  | 52.1  | 78.1  |
| 75      | 24.4  | 23.9  | 35.9  |

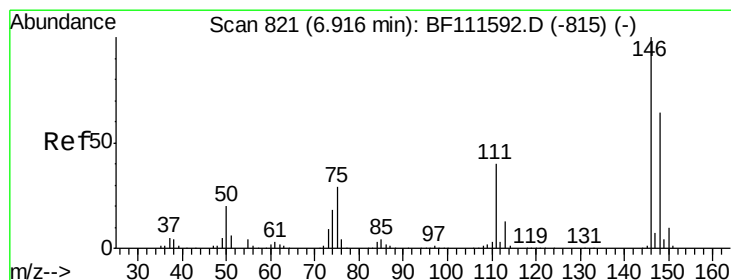
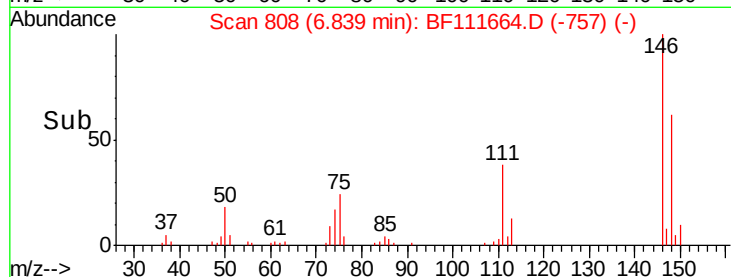
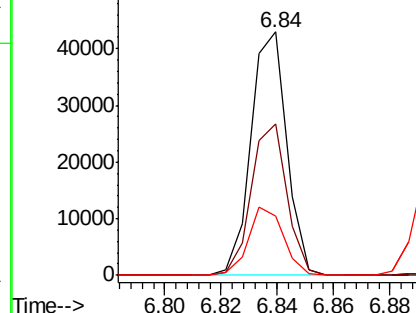


Abundance

Ion 146.00 (145.70 to 146.70): E

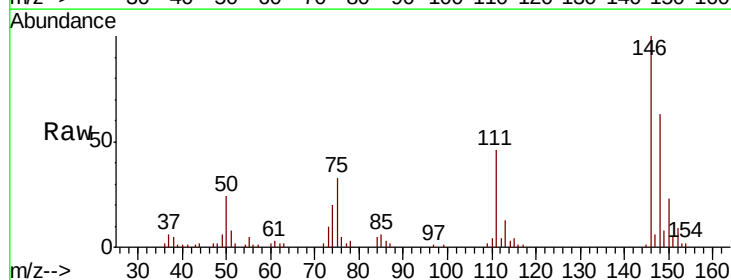
Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1



#13  
 1,4-Dichlorobenzene  
 Concen: 2.531 ng  
 RT: 6.91 min Scan# 820  
 Delta R.T. -0.01 min  
 Lab File: BF111664.D  
 Acq: 21 Dec 2018 2:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 62.8  | 52.8  | 79.2  |
| 111     | 45.8  | 33.4  | 50.0  |

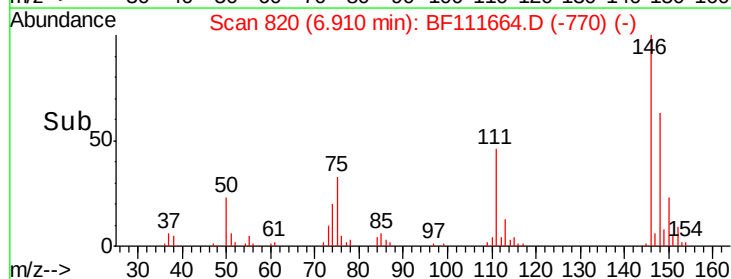
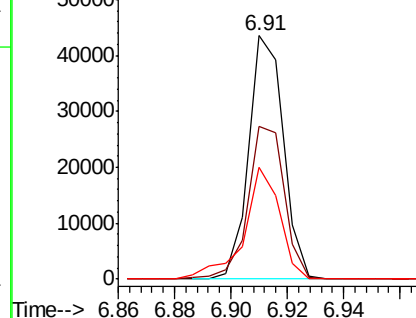


Abundance

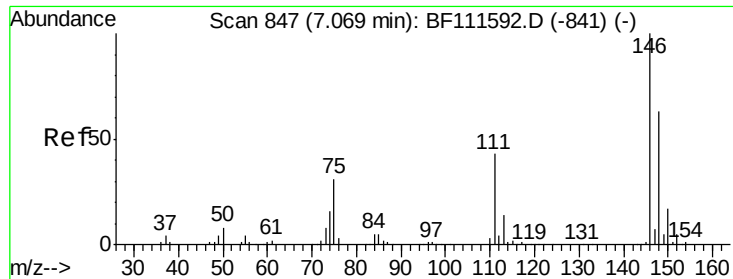
Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



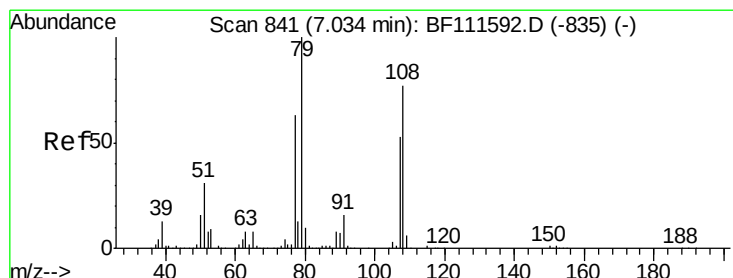
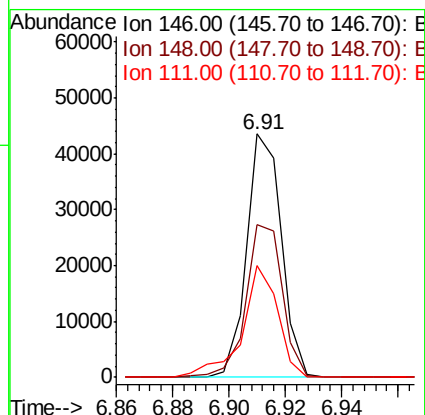
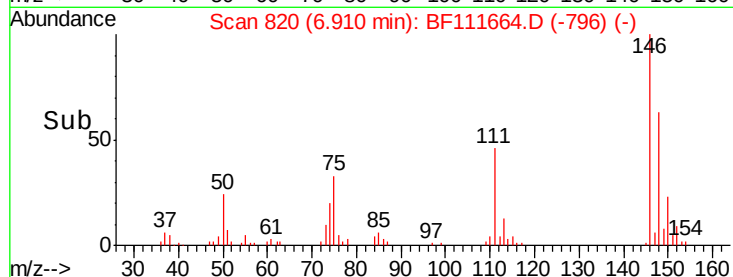
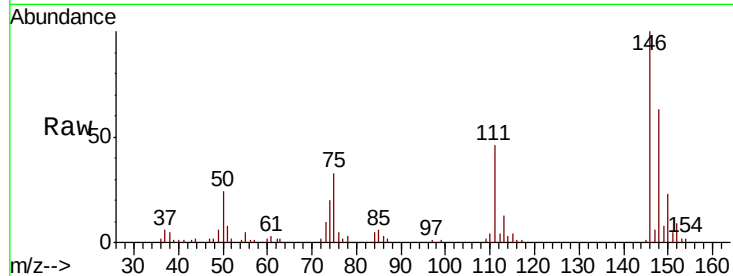




#14  
1,2-Dichlorobenzene  
Concen: 2.712 ng  
RT: 6.91 min Scan# 820  
Delta R.T. -0.16 min  
Lab File: BF111664.D  
Acq: 21 Dec 2018 2:59

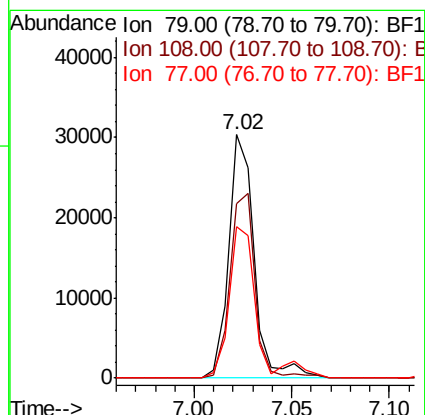
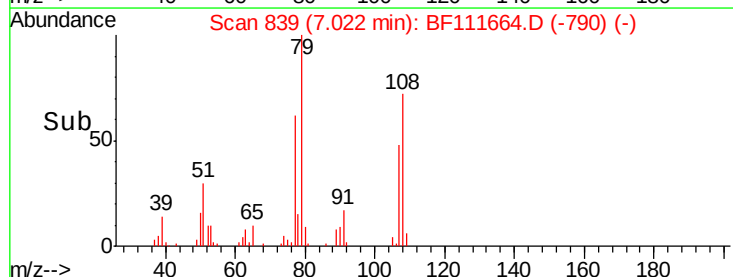
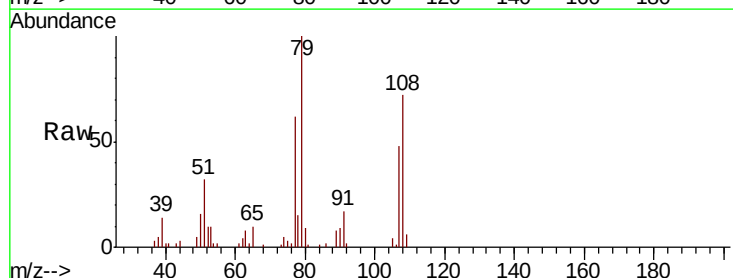
Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-1218-01MSD

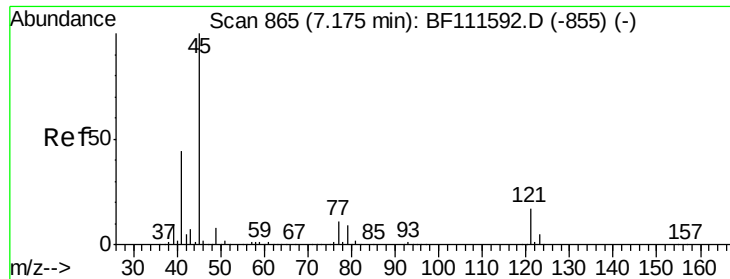
Tgt Ion: 146 Resp: 37054  
Ion Ratio Lower Upper  
146 100  
148 62.8 51.9 77.9  
111 45.8 36.2 54.4



#15  
Benzyl Alcohol  
Concen: 2.418 ng  
RT: 7.02 min Scan# 839  
Delta R.T. -0.01 min  
Lab File: BF111664.D  
Acq: 21 Dec 2018 2:59

Tgt Ion: 79 Resp: 27482  
Ion Ratio Lower Upper  
79 100  
108 71.5 69.4 104.2  
77 62.4 49.7 74.5

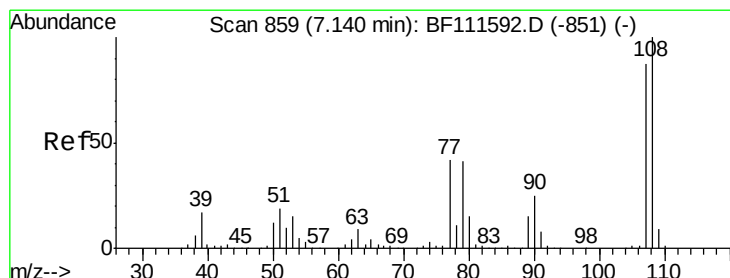
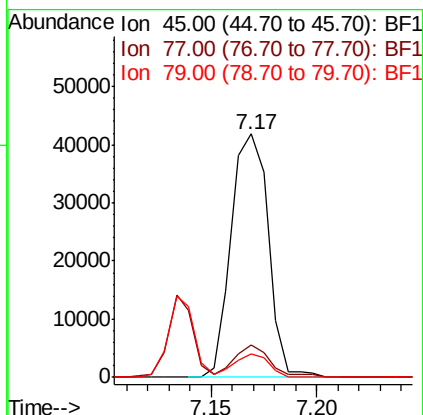
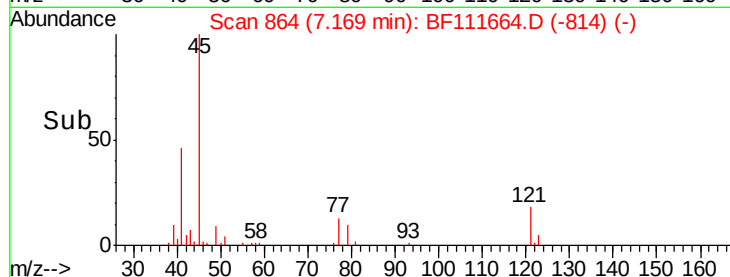
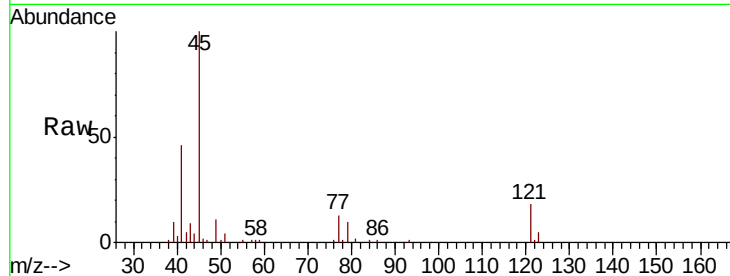




#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 2.281 ng  
RT: 7.17 min Scan# 864  
Delta R.T. -0.01 min  
Lab File: BF111664.D  
Acq: 21 Dec 2018 2:59

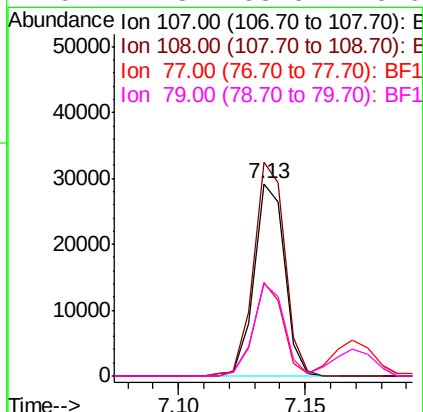
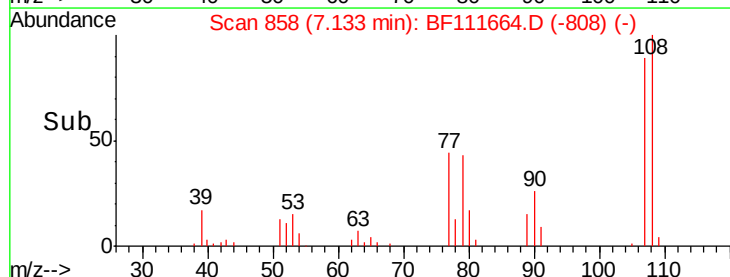
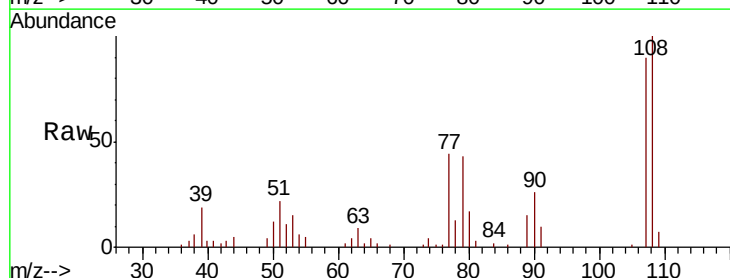
Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-1218-01MSD

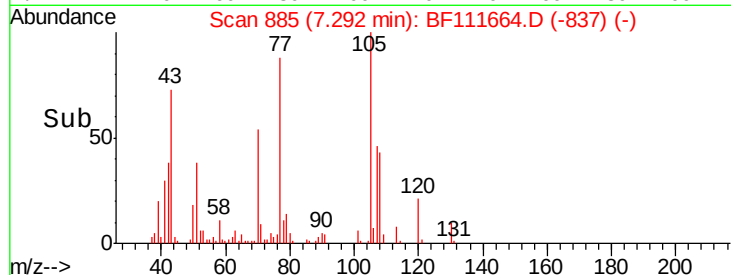
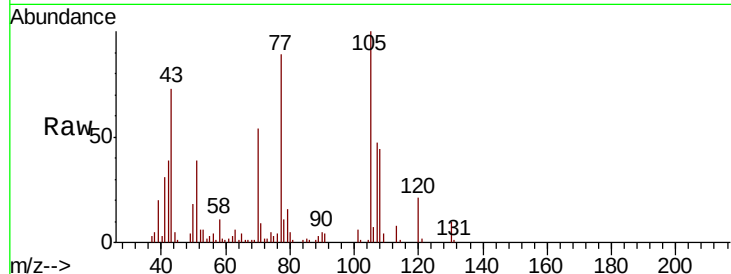
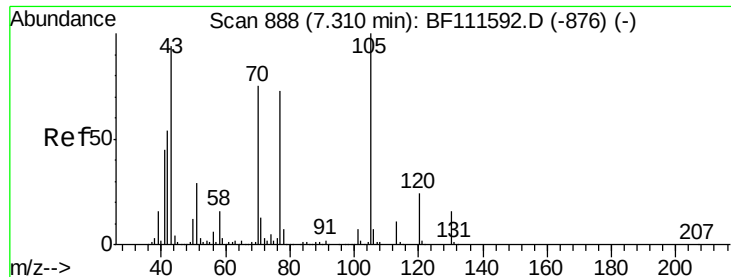
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 77      | 13.2  | 0.0   | 31.5  |
| 79      | 9.7   | 0.0   | 28.9  |



#17  
2-Methylphenol  
Concen: 2.468 ng  
RT: 7.13 min Scan# 858  
Delta R.T. -0.01 min  
Lab File: BF111664.D  
Acq: 21 Dec 2018 2:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 111.0 | 91.0  | 136.4 |
| 77      | 48.5  | 33.5  | 50.3  |
| 79      | 47.8  | 33.3  | 49.9  |

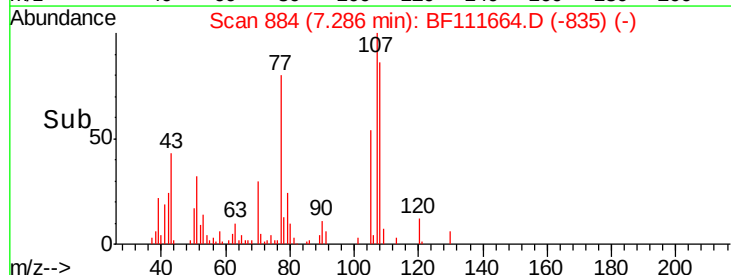
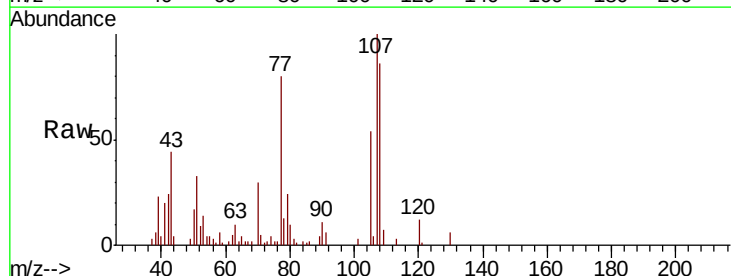
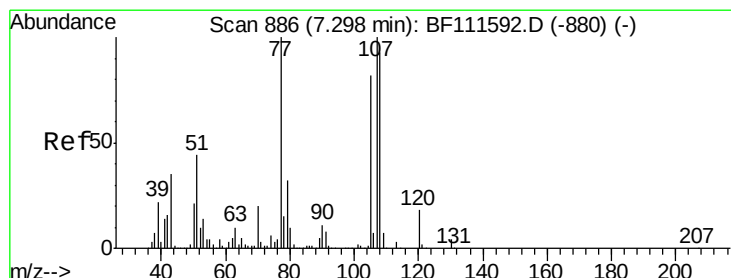
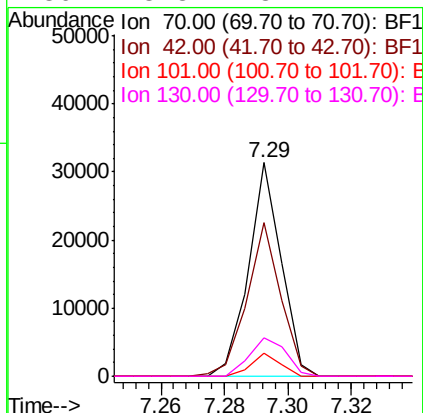




#19  
n-Nitroso-di-n-propylamine  
Concen: 2.365 ng  
RT: 7.29 min Scan# 885  
Delta R.T. -0.02 min  
Lab File: BF111664.D  
Acq: 21 Dec 2018 2:59

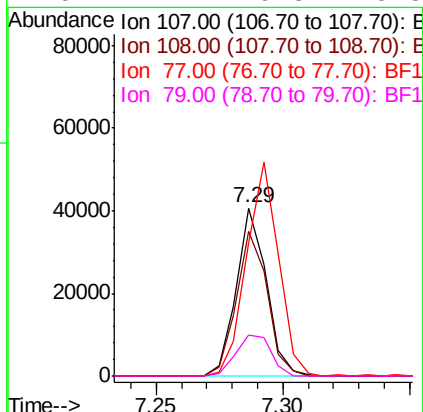
Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-1218-01MSD

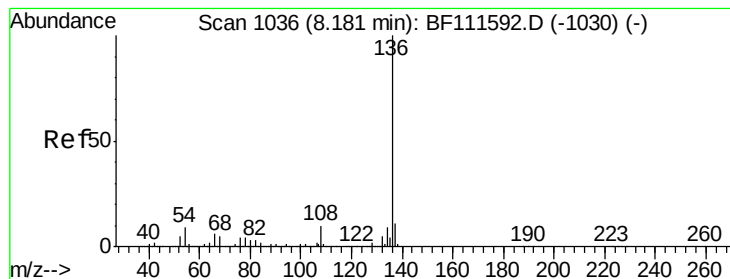
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 22479 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 71.6  | 53.2  | 79.8  |
| 101      | 10.8  | 8.2   | 12.4  |
| 130      | 18.3  | 18.1  | 27.1  |



#20  
3+4-Methylphenols  
Concen: 2.657 ng  
RT: 7.29 min Scan# 884  
Delta R.T. -0.01 min  
Lab File: BF111664.D  
Acq: 21 Dec 2018 2:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 33492  |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 86.4  | 72.1  | 112.1  |
| 77       | 79.7  | 94.1  | 134.1# |
| 79       | 24.2  | 9.8   | 49.8   |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

Tgt Ion:136 Resp: 710466

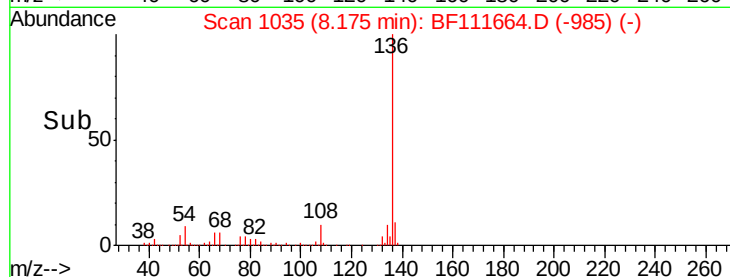
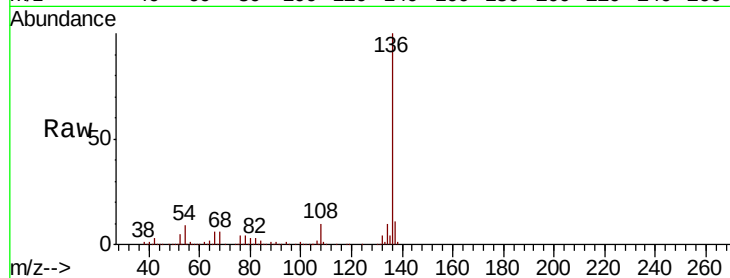
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 9.4 7.7 11.5

68 5.8 4.9 7.3



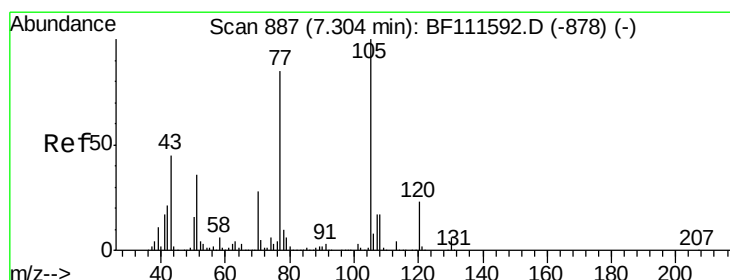
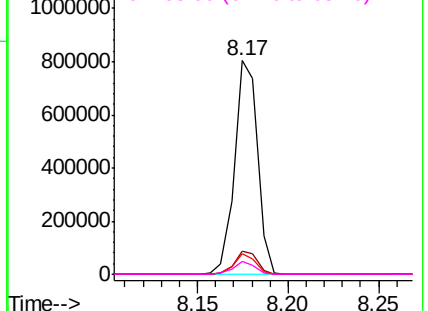
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 2.491 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

Tgt Ion:105 Resp: 44839

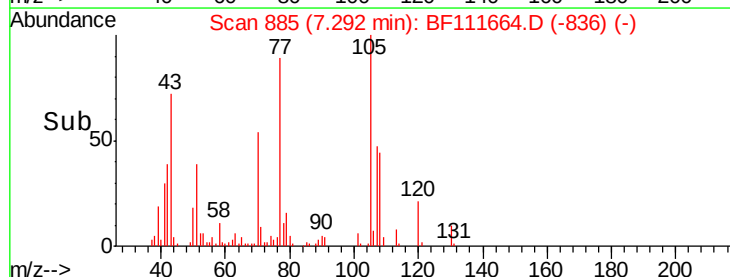
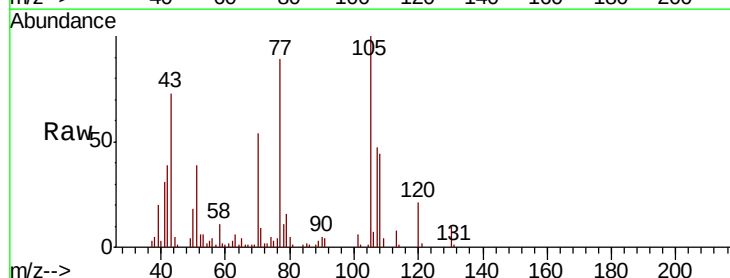
Ion Ratio Lower Upper

105 100

71 8.8 3.1 4.7#

51 39.5 36.6 54.8

120 20.6 18.2 27.4



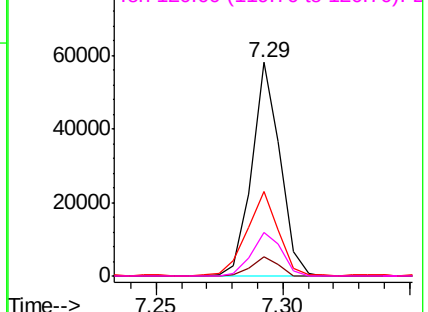
Abundance

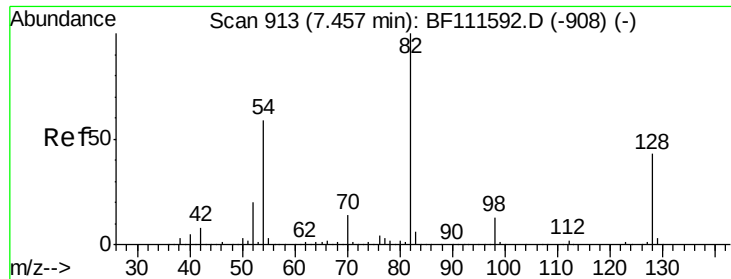
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

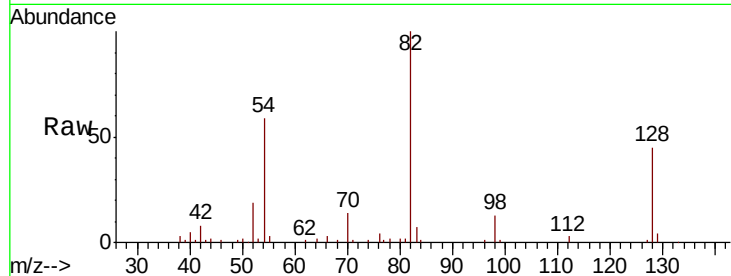




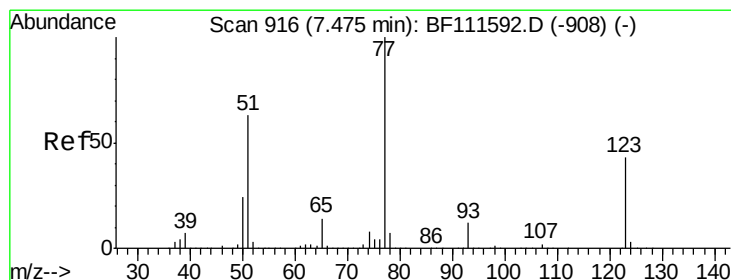
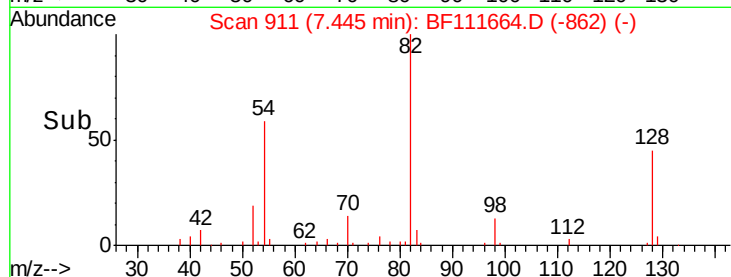
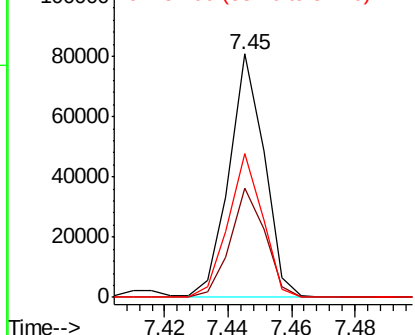
#23  
 Nitrobenzene-d5  
 Concen: 5.076 ng  
 RT: 7.45 min Scan# 911  
 Delta R.T. -0.01 min  
 Lab File: BF111664.D  
 Acq: 21 Dec 2018 2:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS025-1218-01MSD

Tgt Ion: 82 Resp: 61955  
 Ion Ratio Lower Upper  
 82 100  
 128 44.8 37.4 56.2  
 54 59.0 47.6 71.4

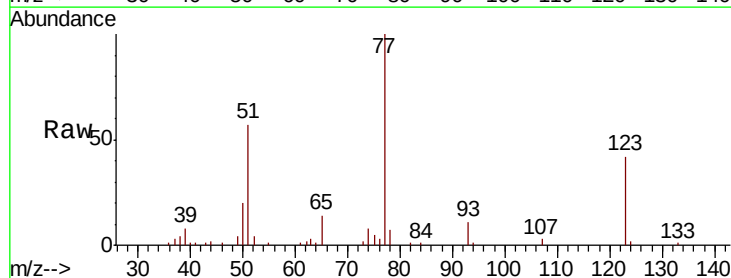


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

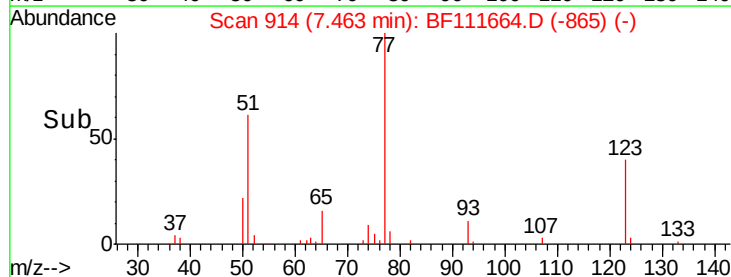
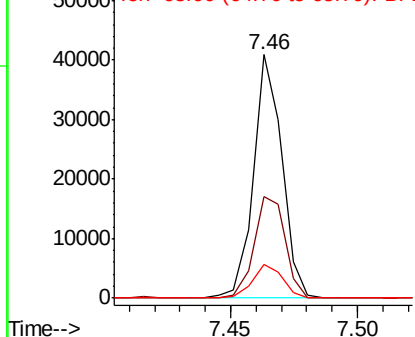


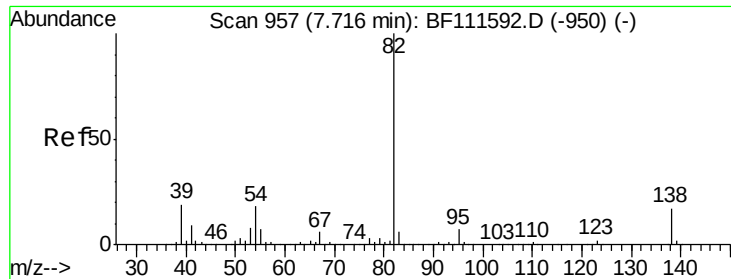
#24  
 Nitrobenzene  
 Concen: 2.507 ng  
 RT: 7.46 min Scan# 914  
 Delta R.T. -0.01 min  
 Lab File: BF111664.D  
 Acq: 21 Dec 2018 2:59

Tgt Ion: 77 Resp: 32073  
 Ion Ratio Lower Upper  
 77 100  
 123 41.8 37.2 55.8  
 65 14.0 11.5 17.3



Abundance Ion 77.00 (76.70 to 77.70): BF1  
 Ion 123.00 (122.70 to 123.70): BF1  
 Ion 65.00 (64.70 to 65.70): BF1

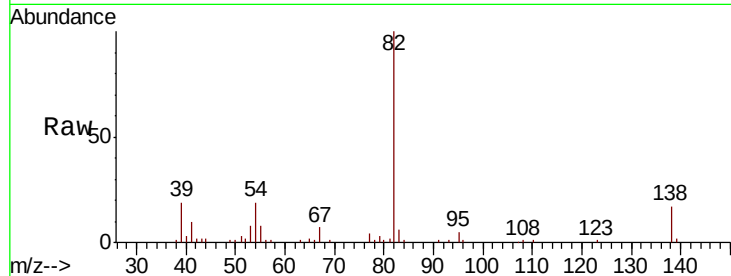




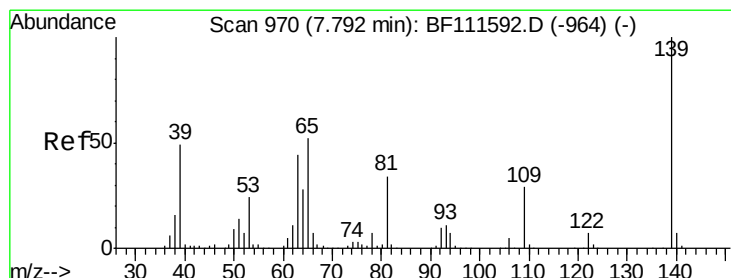
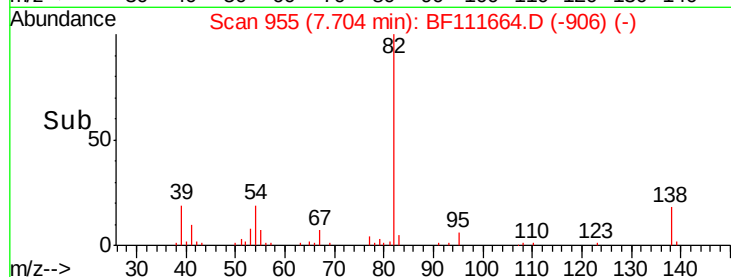
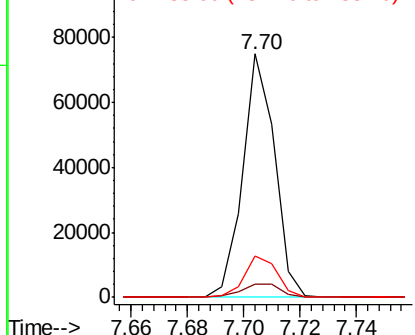
#25  
Isophorone  
Concen: 2.701 ng  
RT: 7.70 min Scan# 955  
Delta R.T. -0.01 min  
Lab File: BF111664.D  
Acq: 21 Dec 2018 2:59

Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-1218-01MSD

Tgt Ion: 82 Resp: 58529  
Ion Ratio Lower Upper  
82 100  
95 5.5 5.4 8.2  
138 17.1 15.1 22.7

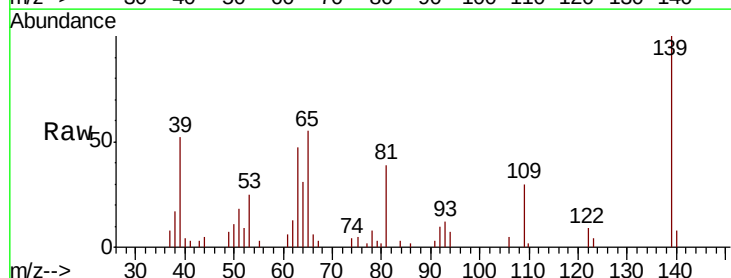


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 95.00 (94.70 to 95.70): BF1  
Ion 138.00 (137.70 to 138.70): BF1

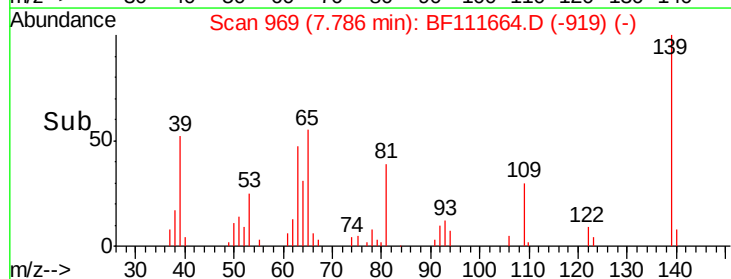
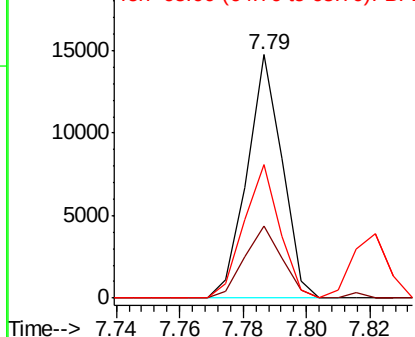


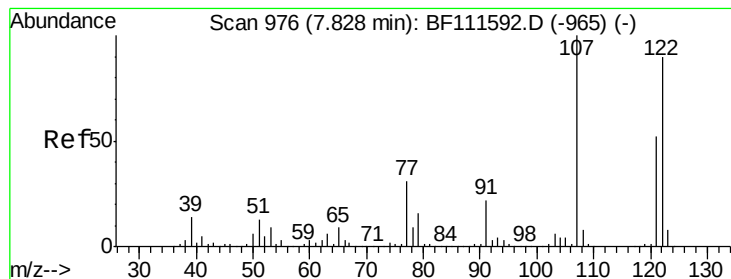
#26  
2-Nitrophenol  
Concen: 2.181 ng  
RT: 7.79 min Scan# 969  
Delta R.T. -0.01 min  
Lab File: BF111664.D  
Acq: 21 Dec 2018 2:59

Tgt Ion: 139 Resp: 11314  
Ion Ratio Lower Upper  
139 100  
109 29.8 20.2 30.4  
65 55.1 40.7 61.1



Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF1

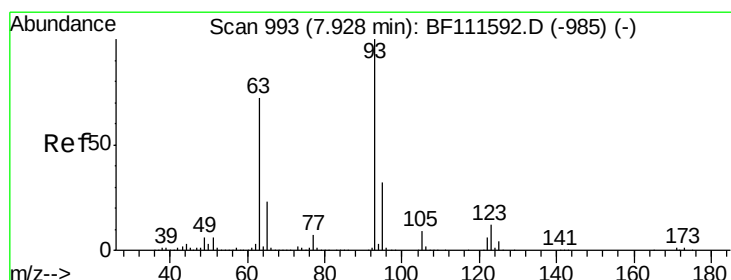
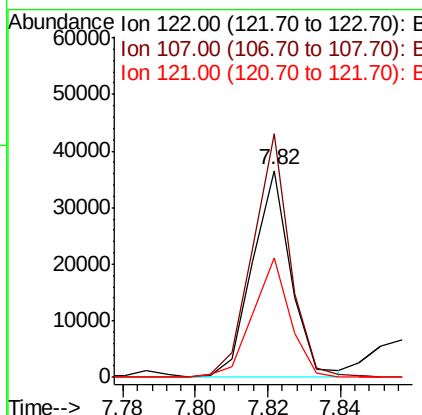
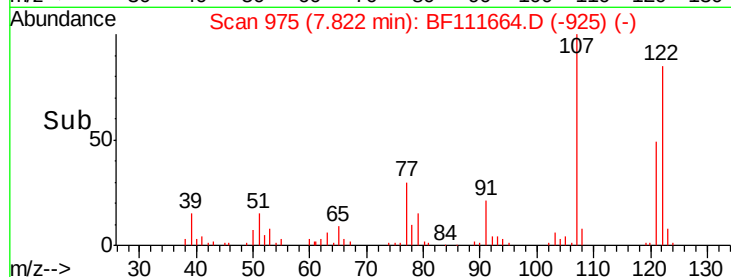
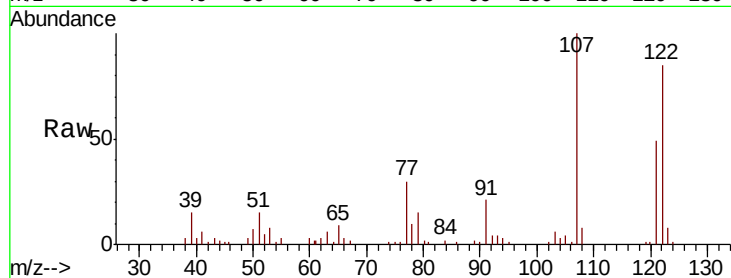




#27  
2,4-Dimethylphenol  
Concen: 2.663 ng  
RT: 7.82 min Scan# 975  
Delta R.T. -0.01 min  
Lab File: BF111664.D  
Acq: 21 Dec 2018 2:59

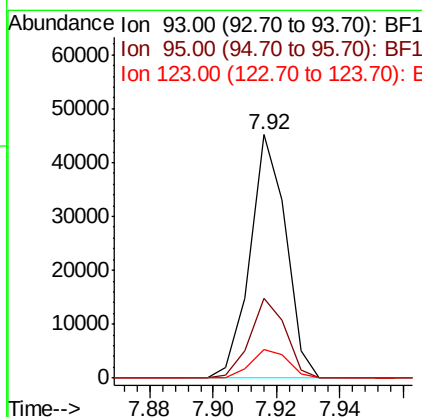
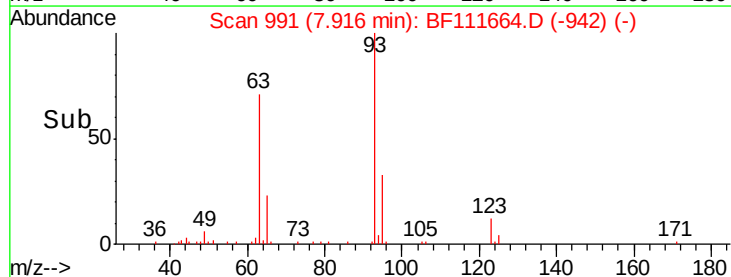
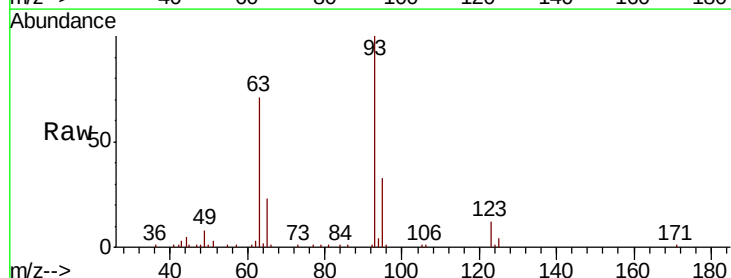
Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-1218-01MSD

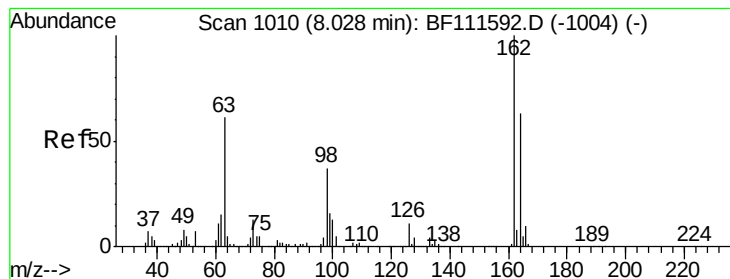
Tgt Ion: 122 Resp: 27232  
Ion Ratio Lower Upper  
122 100  
107 117.8 85.5 128.3  
121 57.9 46.6 70.0



#28  
bis(2-Chloroethoxy)methane  
Concen: 2.455 ng  
RT: 7.92 min Scan# 991  
Delta R.T. -0.01 min  
Lab File: BF111664.D  
Acq: 21 Dec 2018 2:59

Tgt Ion: 93 Resp: 35394  
Ion Ratio Lower Upper  
93 100  
95 32.9 27.1 40.7  
123 11.6 9.9 14.9





#29

2,4-Dichlorophenol

Concen: 2.341 ng

RT: 8.03 min Scan# 1010

Delta R.T. -0.00 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

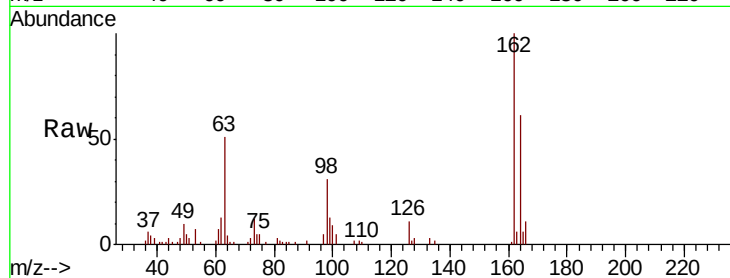
Tgt Ion:162 Resp: 25750

Ion Ratio Lower Upper

162 100

164 61.3 44.4 84.4

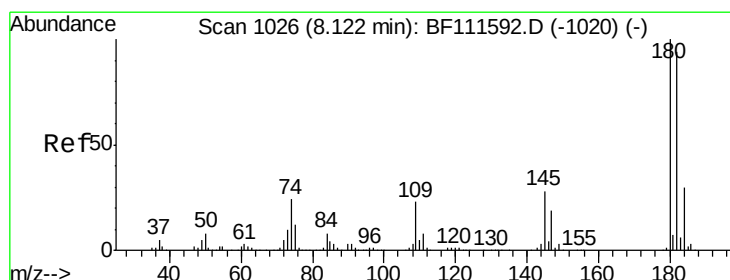
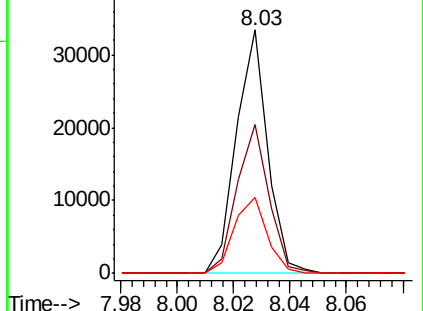
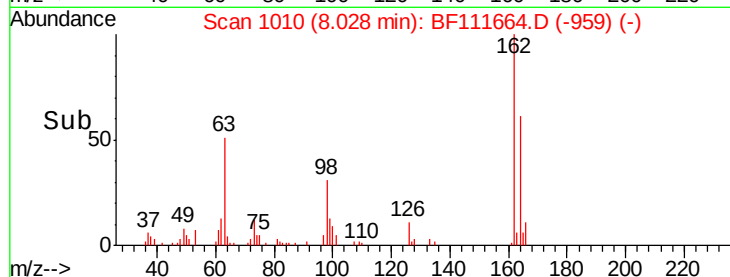
98 31.4 20.3 60.3



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30

1,2,4-Trichlorobenzene

Concen: 2.459 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

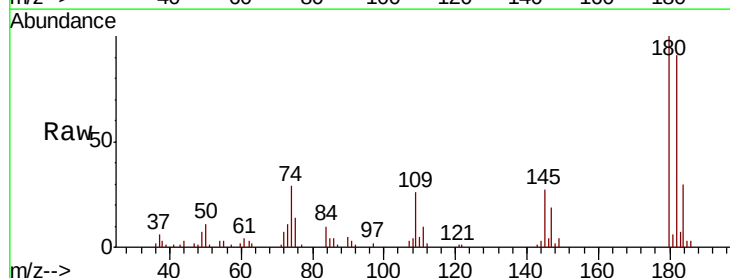
Tgt Ion:180 Resp: 30139

Ion Ratio Lower Upper

180 100

182 91.5 75.6 113.4

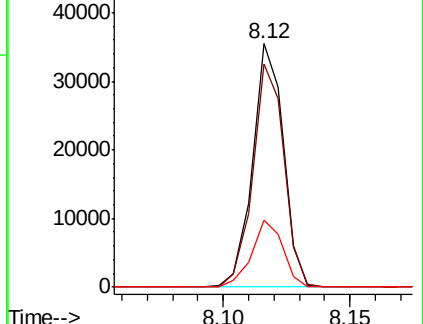
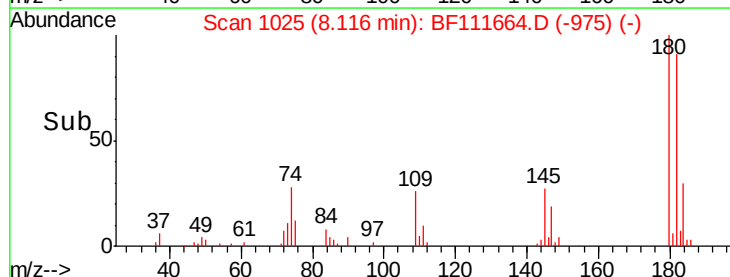
145 27.4 26.7 40.1



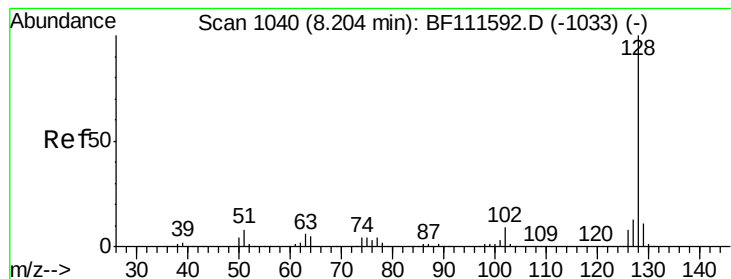
Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E







#31

Naphthalene

Concen: 2.681 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

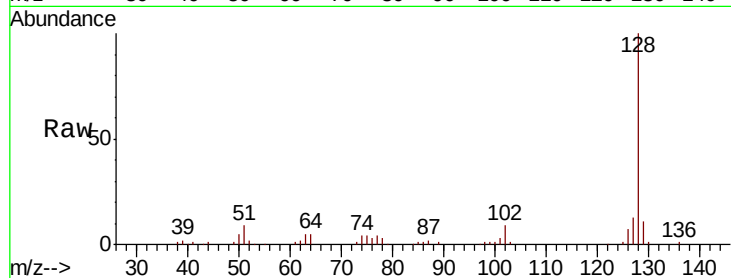
Tgt Ion:128 Resp: 91530

Ion Ratio Lower Upper

128 100

129 11.1 9.8 14.8

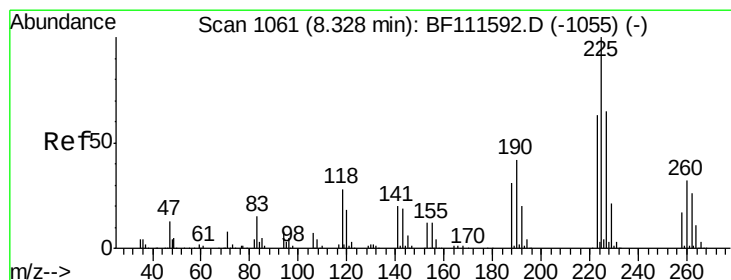
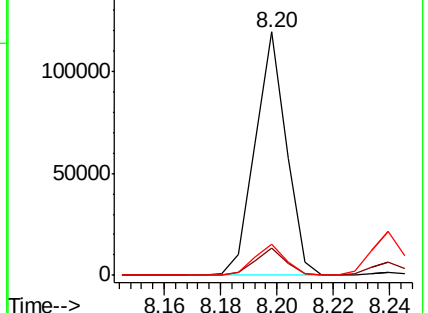
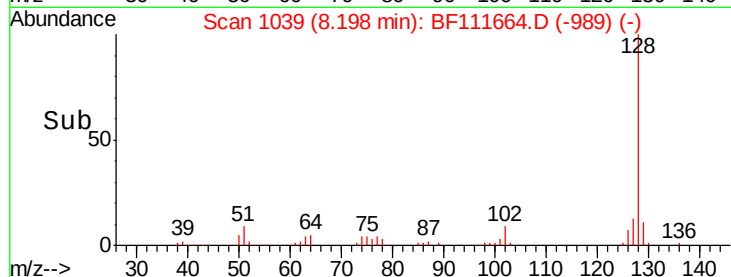
127 13.0 12.0 18.0



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



#34

Hexachlorobutadiene

Concen: 2.299 ng

RT: 8.32 min Scan# 1060

Delta R.T. -0.01 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

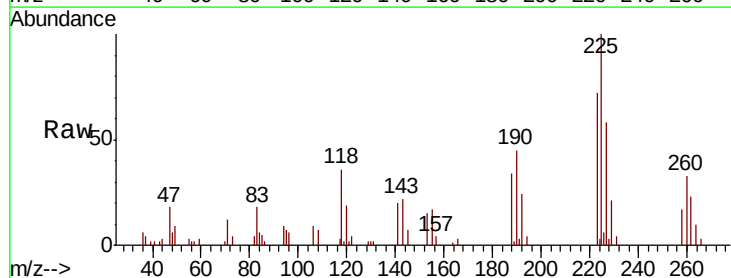
Tgt Ion:225 Resp: 17178

Ion Ratio Lower Upper

225 100

223 71.6 50.7 76.1

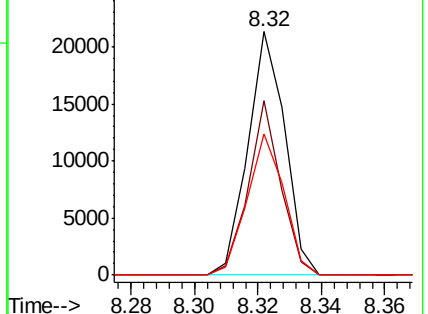
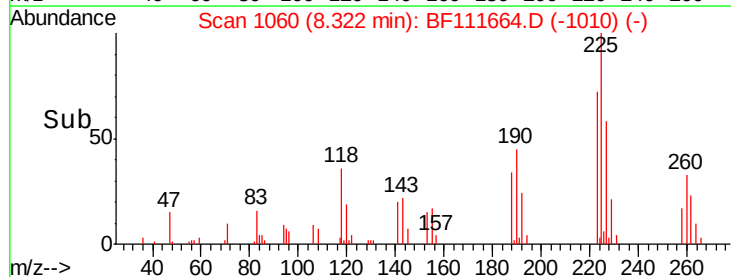
227 60.8 52.6 78.8

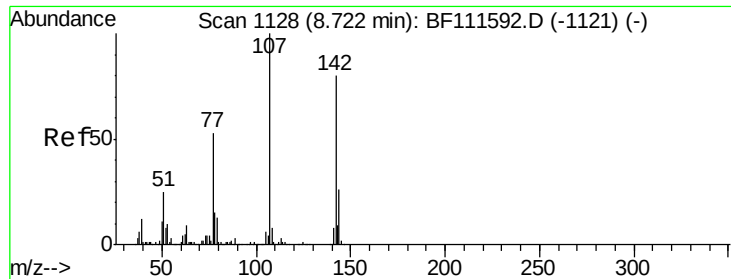


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

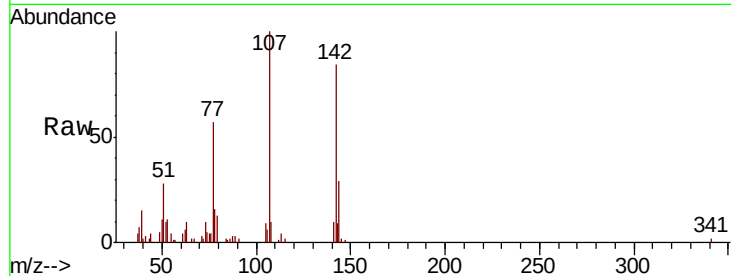




#36  
 4-Chloro-3-methylphenol  
 Concen: 2.145 ng  
 RT: 8.71 min Scan# 1126  
 Delta R.T. -0.01 min  
 Lab File: BF111664.D  
 Acq: 21 Dec 2018 2:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS025-1218-01MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 28.5  | 19.8  | 29.6  |
| 142     | 83.9  | 62.3  | 93.5  |

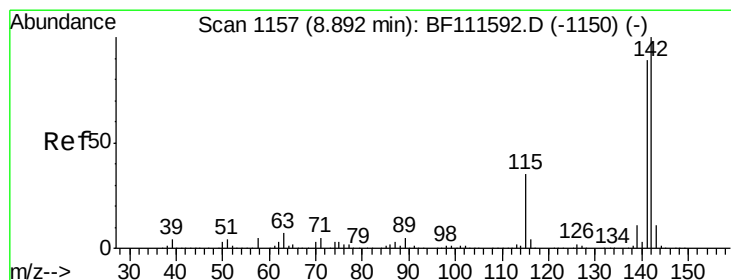
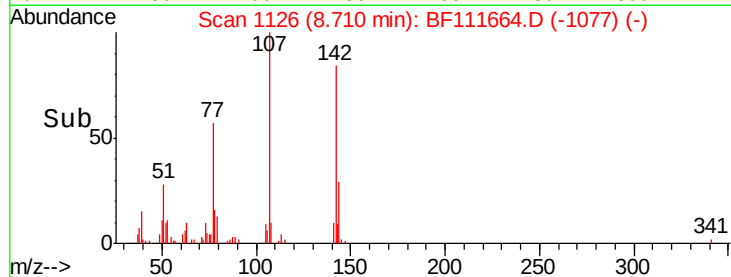
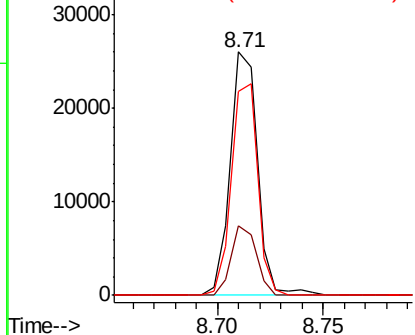


Abundance

Ion 107.00 (106.70 to 107.70): E

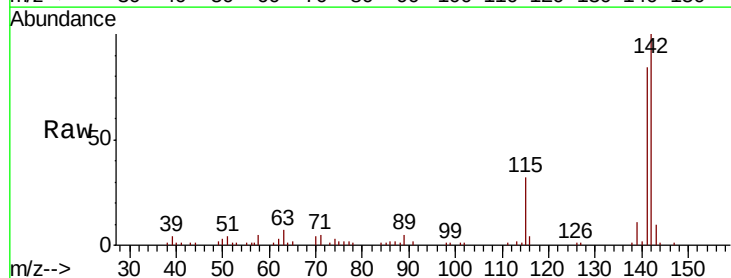
Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#37  
 2-Methylnaphthalene  
 Concen: 2.720 ng  
 RT: 8.89 min Scan# 1156  
 Delta R.T. -0.01 min  
 Lab File: BF111664.D  
 Acq: 21 Dec 2018 2:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 84.2  | 70.6  | 105.8 |
| 115     | 32.5  | 27.0  | 40.6  |

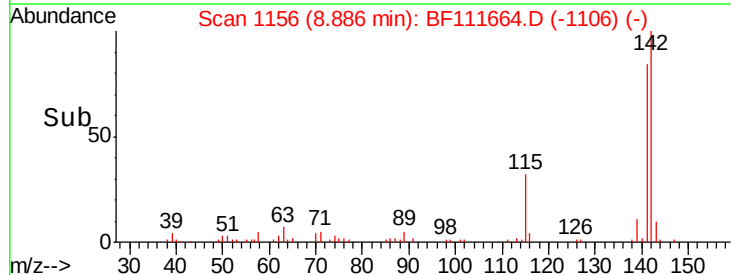
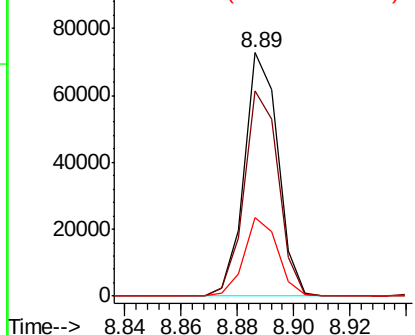


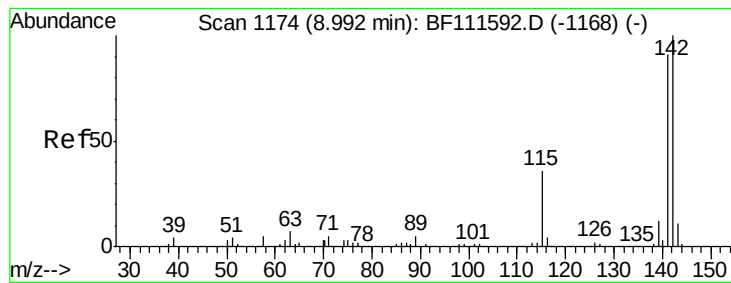
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

1-Methylnaphthalene

Concen: 2.611 ng

RT: 8.99 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

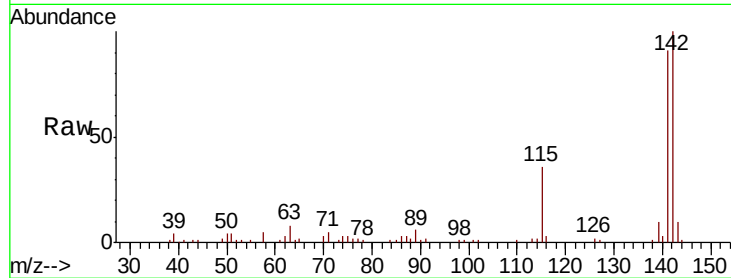
Tgt Ion:142 Resp: 55701

Ion Ratio Lower Upper

142 100

141 90.6 74.2 111.4

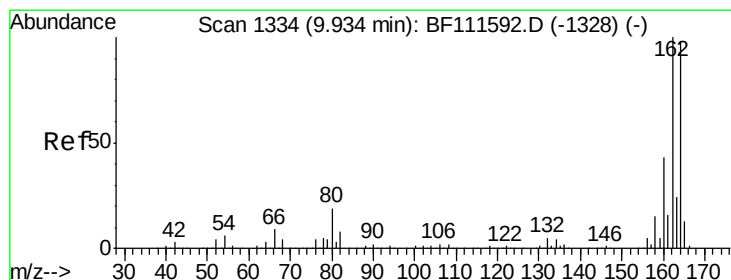
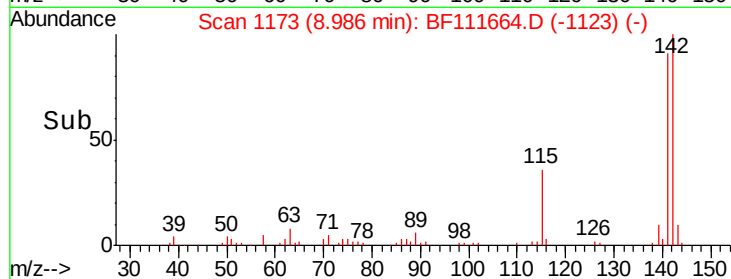
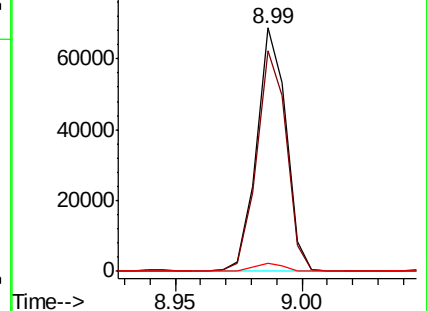
116 3.3 2.9 4.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

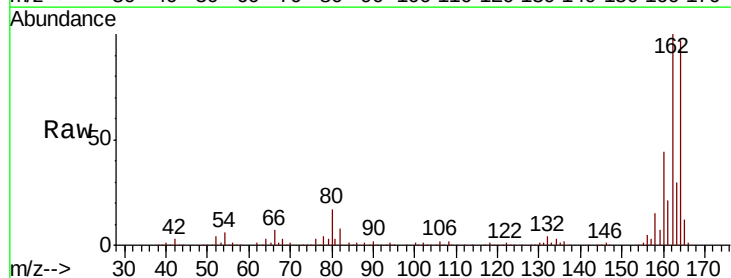
Tgt Ion:164 Resp: 303260

Ion Ratio Lower Upper

164 100

162 102.6 81.4 122.0

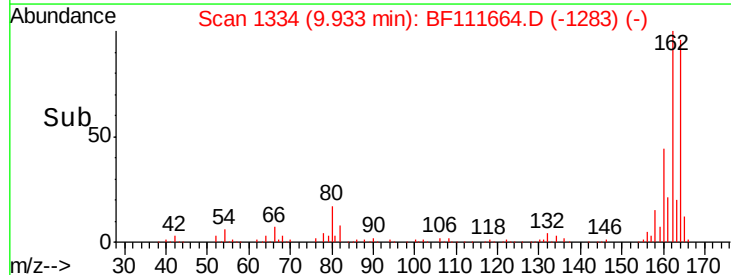
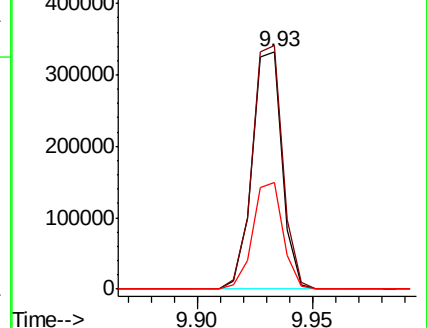
160 45.1 35.7 53.5

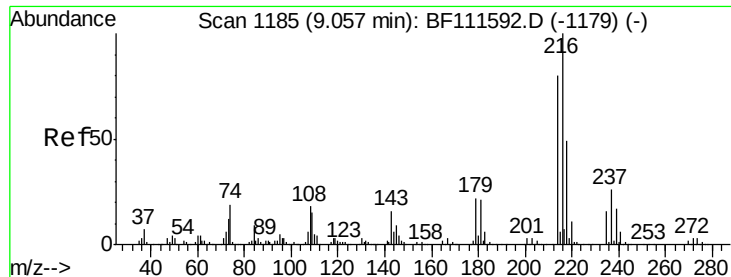


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

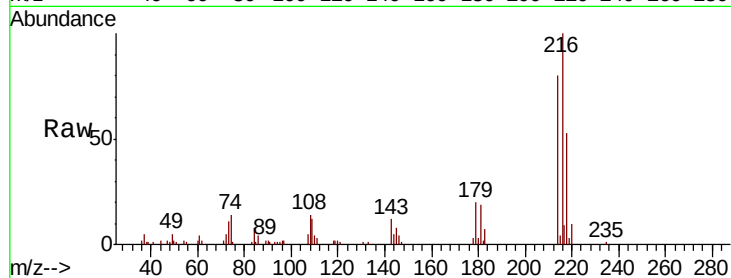




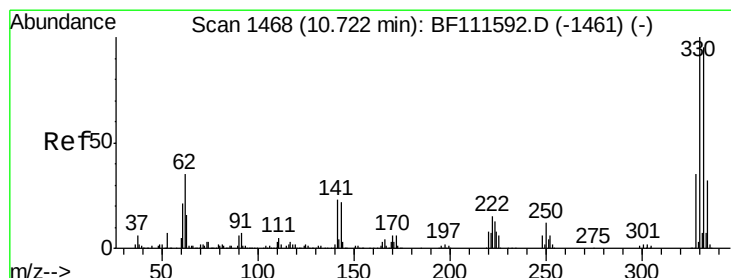
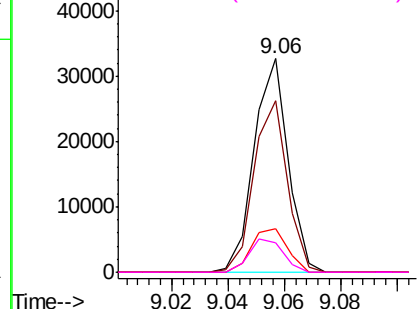
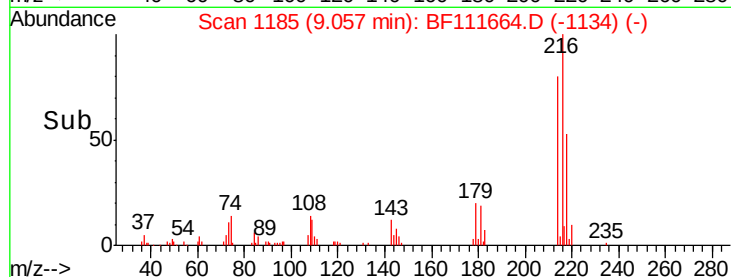
#40  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 2.723 ng  
 RT: 9.06 min Scan# 1185  
 Delta R.T. -0.00 min  
 Lab File: BF111664.D  
 Acq: 21 Dec 2018 2:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS025-1218-01MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 216   | Resp: | 27139 |
| Ion      | Ratio | Lower | Upper |
| 216      | 100   |       |       |
| 214      | 79.5  | 63.8  | 95.8  |
| 179      | 21.6  | 17.9  | 26.9  |
| 108      | 15.8  | 18.4  | 27.6# |

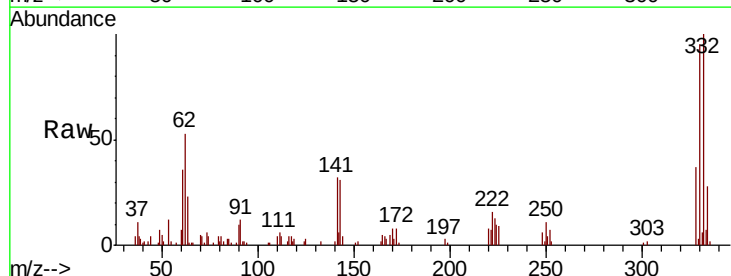


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

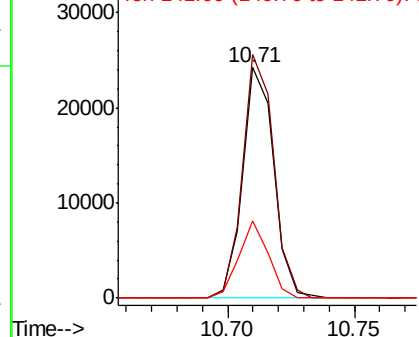
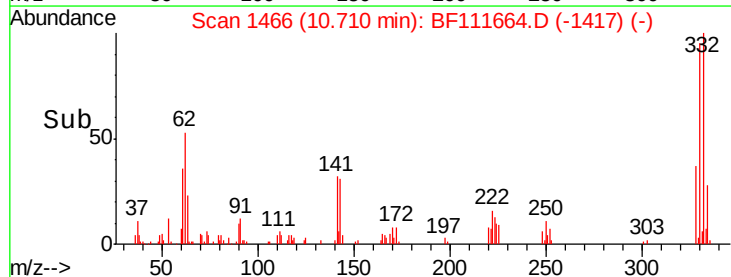


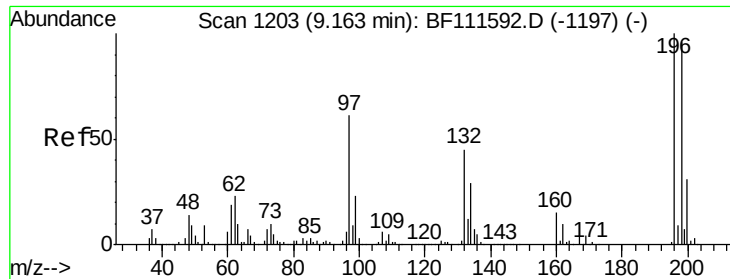
#42  
 2,4,6-Tribromophenol  
 Concen: 5.773 ng  
 RT: 10.71 min Scan# 1466  
 Delta R.T. -0.01 min  
 Lab File: BF111664.D  
 Acq: 21 Dec 2018 2:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 330   | Resp: | 20686 |
| Ion      | Ratio | Lower | Upper |
| 330      | 100   |       |       |
| 332      | 104.8 | 76.0  | 114.0 |
| 141      | 31.6  | 31.0  | 46.6  |



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

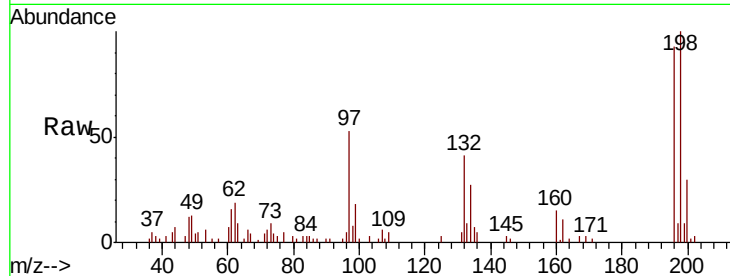




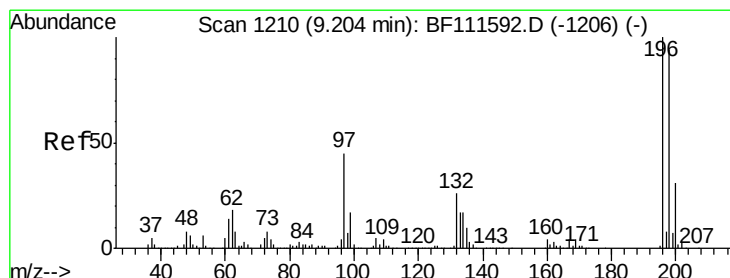
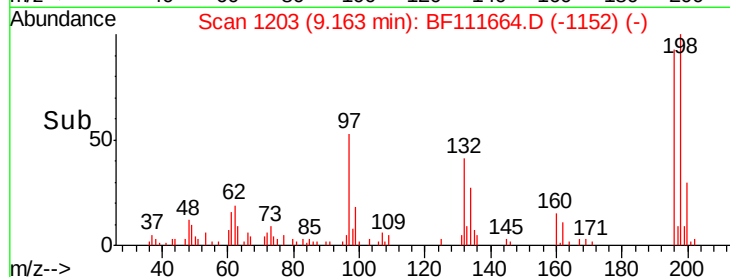
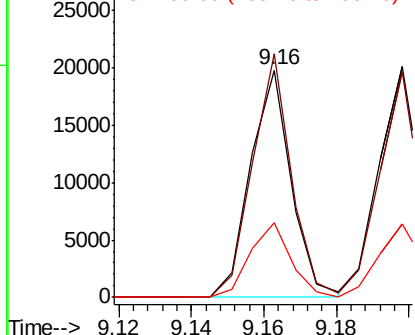
#43  
 2,4,6-Trichlorophenol  
 Concen: 2.318 ng  
 RT: 9.16 min Scan# 1203  
 Delta R.T. -0.00 min  
 Lab File: BF111664.D  
 Acq: 21 Dec 2018 2:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS025-1218-01MSD

Tgt Ion:196 Resp: 15422  
 Ion Ratio Lower Upper  
 196 100  
 198 107.2 76.3 114.5  
 200 32.6 24.9 37.3

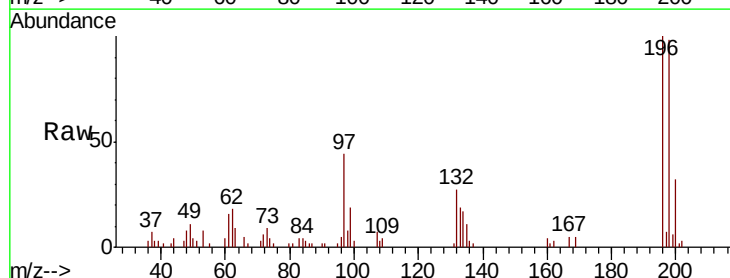


Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E

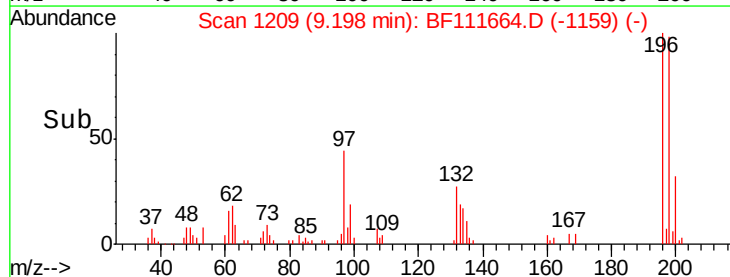
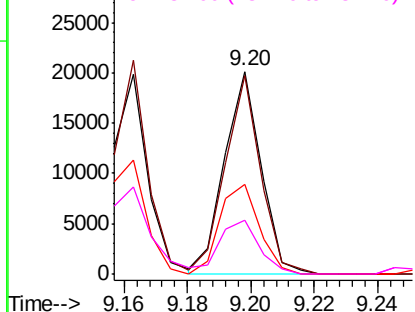


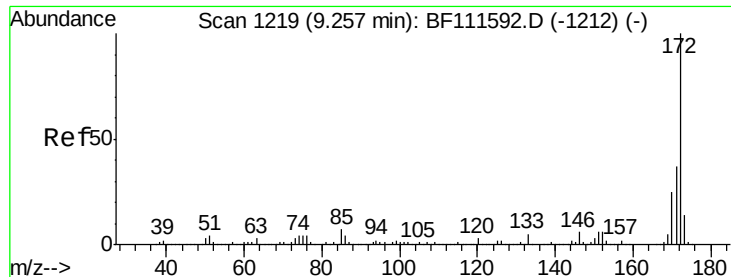
#44  
 2,4,5-Trichlorophenol  
 Concen: 2.344 ng  
 RT: 9.20 min Scan# 1209  
 Delta R.T. -0.01 min  
 Lab File: BF111664.D  
 Acq: 21 Dec 2018 2:59

Tgt Ion:196 Resp: 16001  
 Ion Ratio Lower Upper  
 196 100  
 198 97.8 72.9 109.3  
 97 44.3 45.3 67.9#  
 132 26.7 25.5 38.3



Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 97.00 (96.70 to 97.70): BF1  
 Ion 132.00 (131.70 to 132.70): E

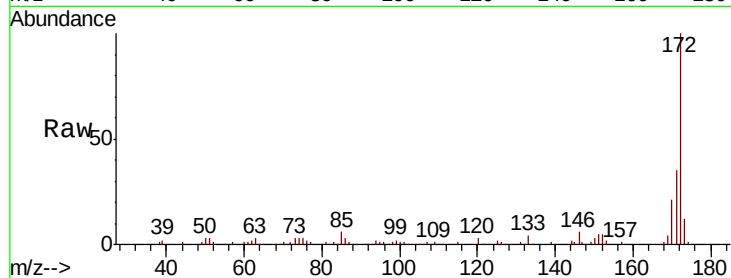




#45  
2-Fluorobiphenyl  
Concen: 5.981 ng  
RT: 9.25 min Scan# 1218  
Delta R.T. -0.01 min  
Lab File: BF111664.D  
Acq: 21 Dec 2018 2:59

Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-1218-01MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.0  | 33.0  | 49.4  |
| 170     | 21.4  | 22.3  | 33.5# |

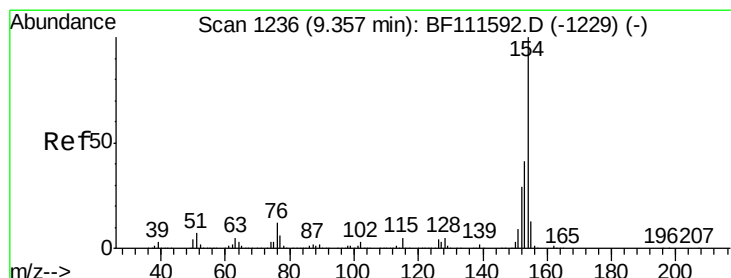
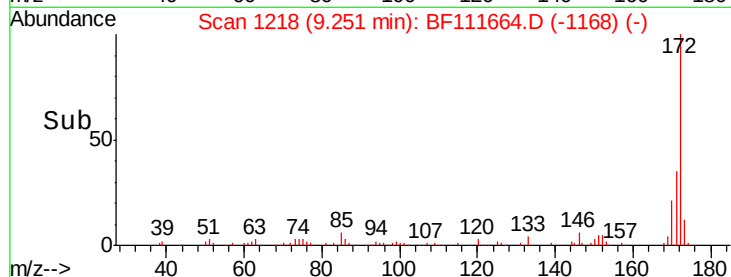
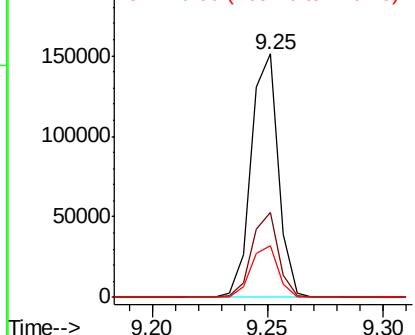


Abundance

Ion 172.00 (171.70 to 172.70): E

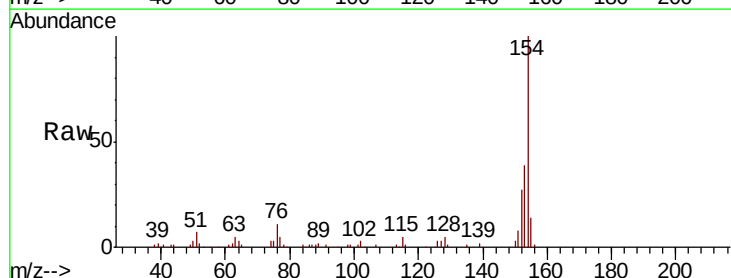
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46  
1,1'-Biphenyl  
Concen: 2.748 ng  
RT: 9.35 min Scan# 1235  
Delta R.T. -0.01 min  
Lab File: BF111664.D  
Acq: 21 Dec 2018 2:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 39.4  | 23.7  | 63.7  |
| 76      | 11.3  | 0.0   | 35.0  |

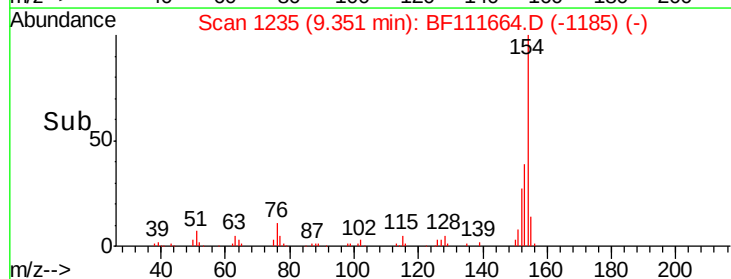
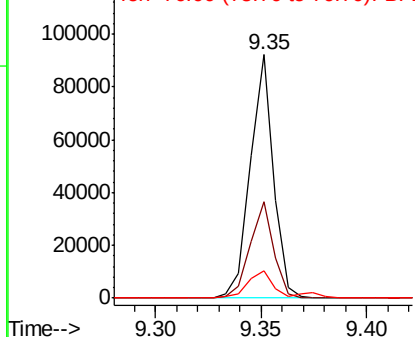


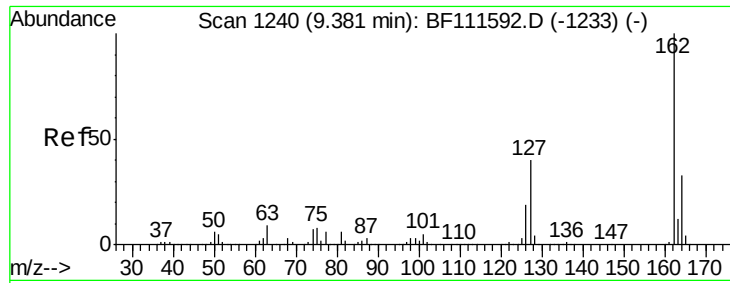
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1

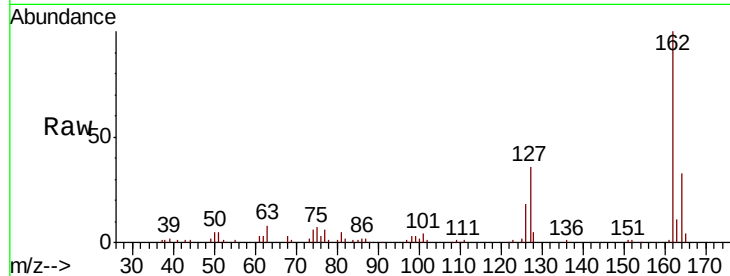




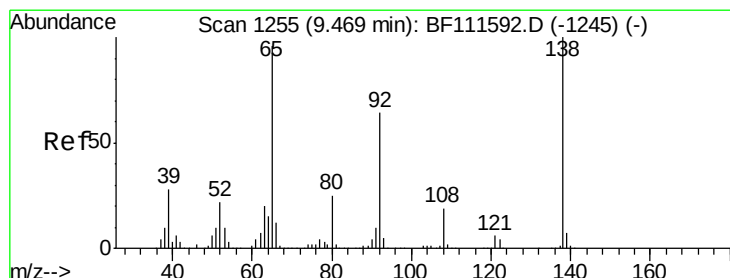
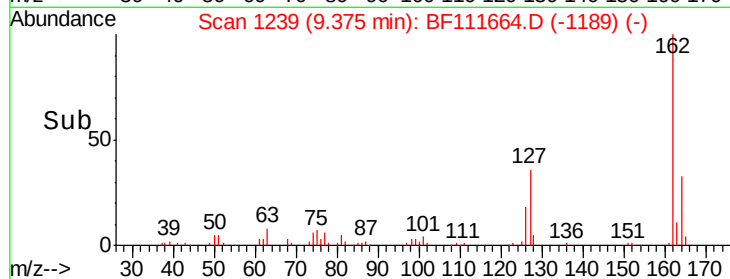
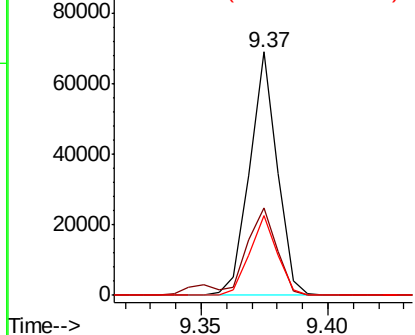
#47  
 2-Chloronaphthalene  
 Concen: 2.576 ng  
 RT: 9.37 min Scan# 1239  
 Delta R.T. -0.01 min  
 Lab File: BF111664.D  
 Acq: 21 Dec 2018 2:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS025-1218-01MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 35.9  | 35.0  | 52.4  |
| 164     | 32.7  | 28.4  | 42.6  |

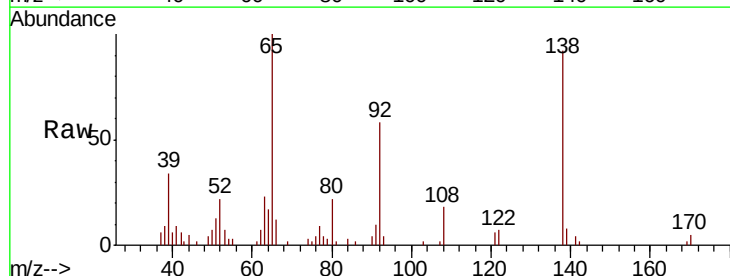


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

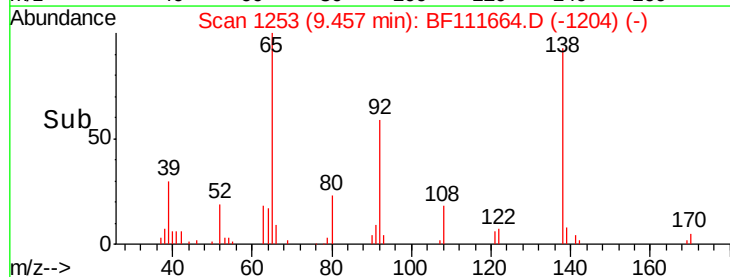
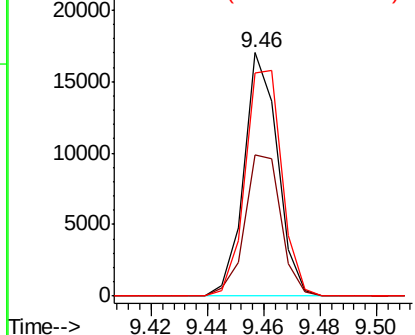


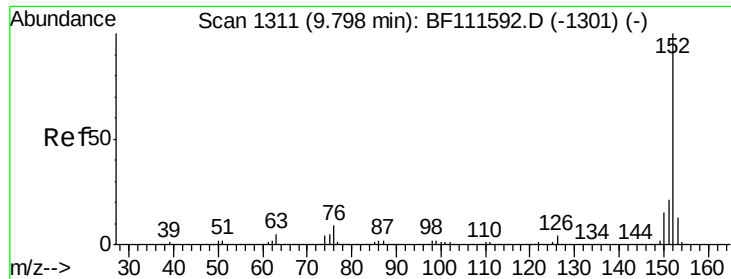
#48  
 2-Nitroaniline  
 Concen: 2.663 ng  
 RT: 9.46 min Scan# 1253  
 Delta R.T. -0.01 min  
 Lab File: BF111664.D  
 Acq: 21 Dec 2018 2:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 57.9  | 53.5  | 80.3  |
| 138     | 91.7  | 80.9  | 121.3 |



Abundance Ion 65.00 (64.70 to 65.70): BF1  
 Ion 92.00 (91.70 to 92.70): BF1  
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 2.699 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

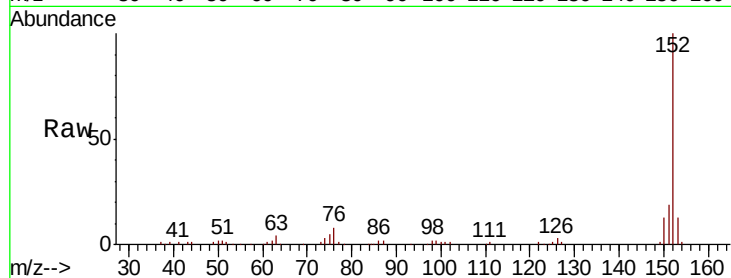
Tgt Ion:152 Resp: 79914

Ion Ratio Lower Upper

152 100

151 19.0 18.0 27.0

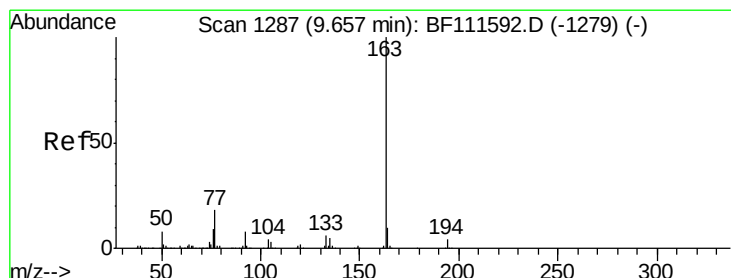
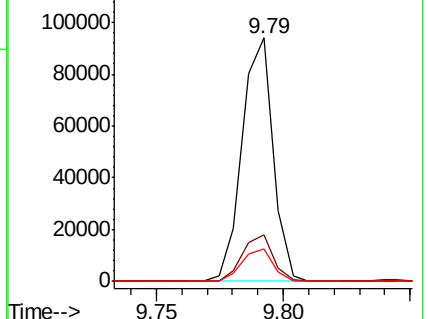
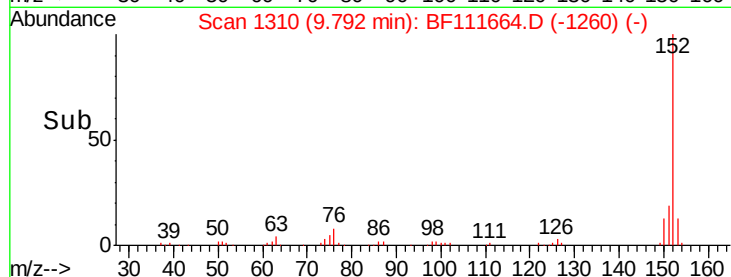
153 13.1 12.3 18.5



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



#50

Dimethylphthalate

Concen: 3.117 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

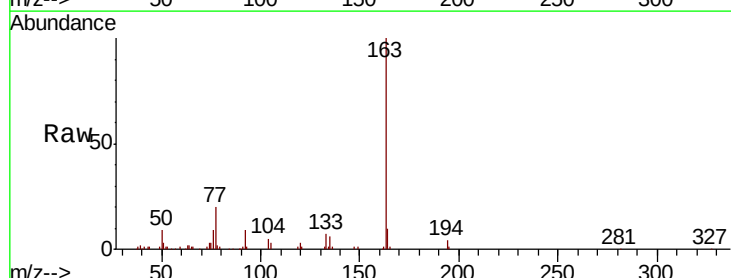
Tgt Ion:163 Resp: 69114

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

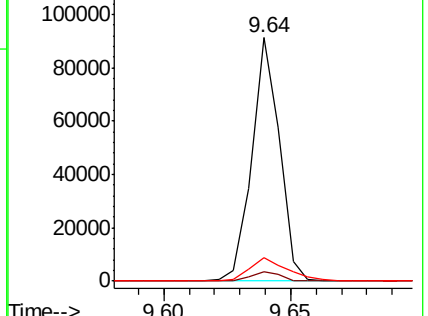
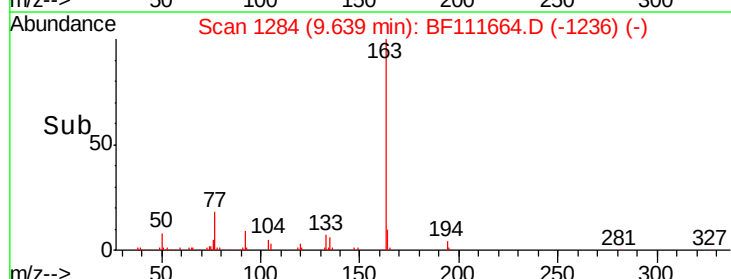
164 9.5 8.9 13.3



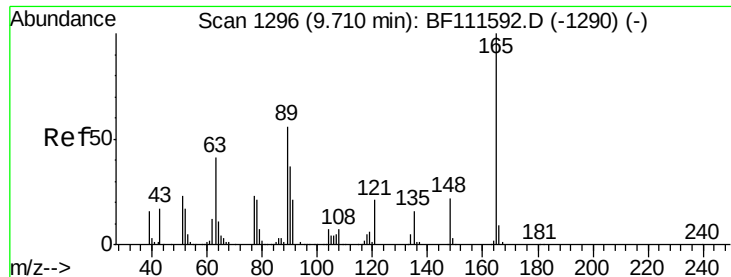
Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



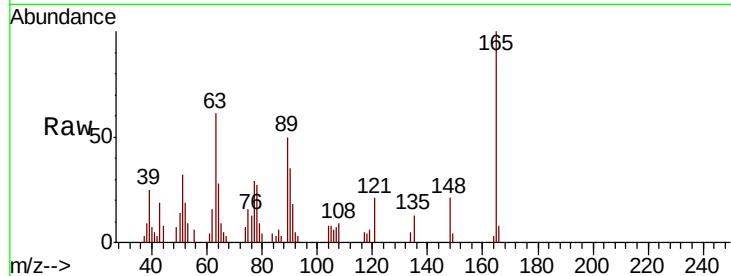




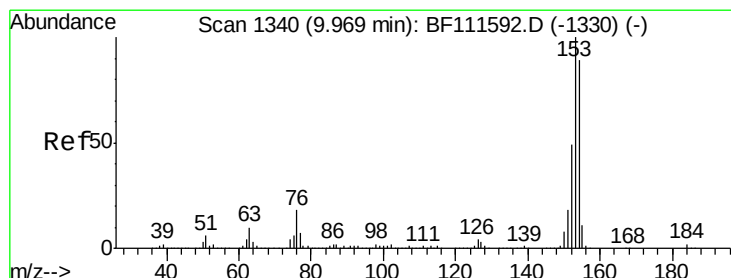
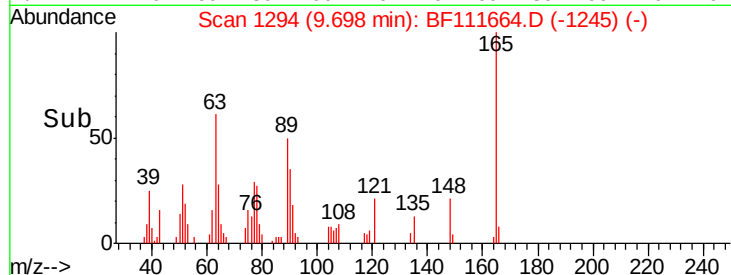
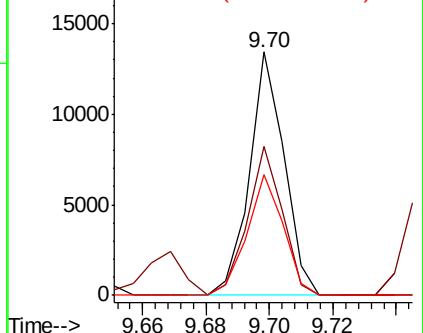
#51  
2,6-Dinitrotoluene  
Concen: 2.309 ng  
RT: 9.70 min Scan# 1294  
Delta R.T. -0.01 min  
Lab File: BF111664.D  
Acq: 21 Dec 2018 2:59

Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-1218-01MSD

Tgt Ion:165 Resp: 10212  
Ion Ratio Lower Upper  
165 100  
63 61.4 40.5 60.7#  
89 49.7 40.0 60.0

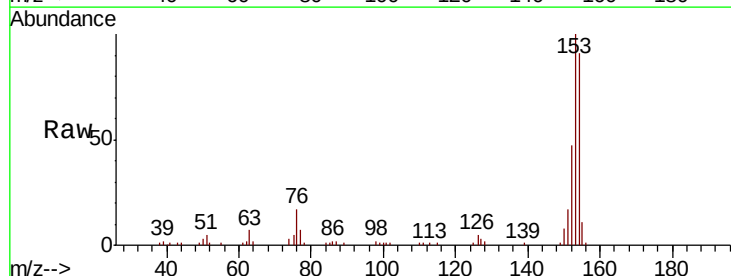


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1

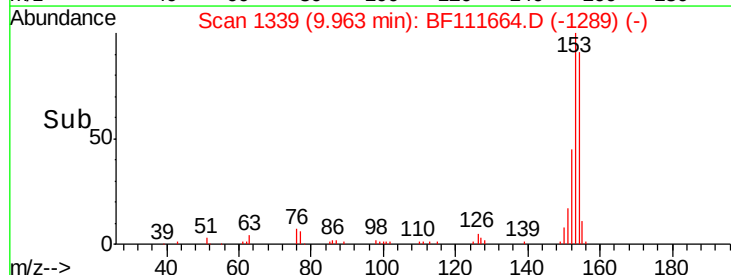
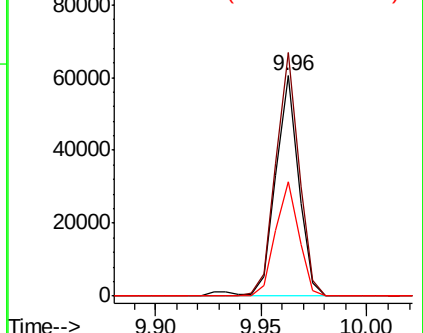


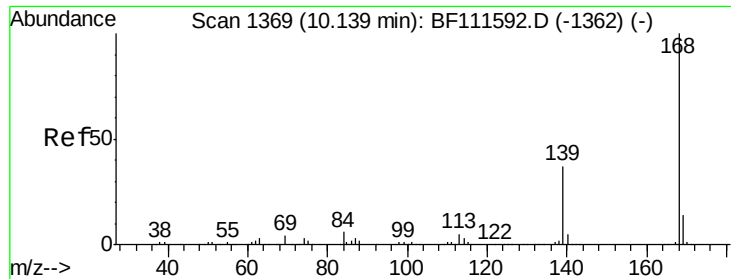
#52  
Acenaphthene  
Concen: 2.545 ng  
RT: 9.96 min Scan# 1339  
Delta R.T. -0.01 min  
Lab File: BF111664.D  
Acq: 21 Dec 2018 2:59

Tgt Ion:154 Resp: 46488  
Ion Ratio Lower Upper  
154 100  
153 110.5 87.8 131.8  
152 52.0 43.4 65.2



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

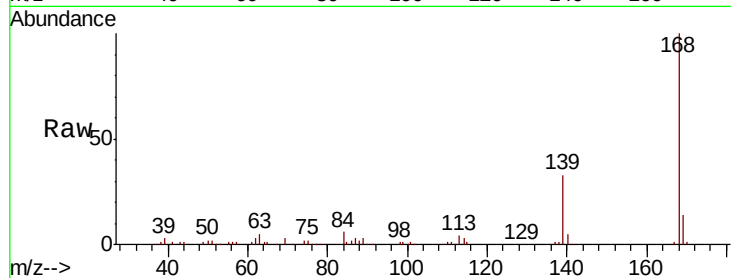




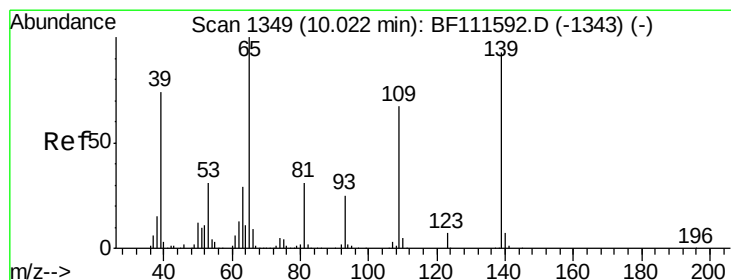
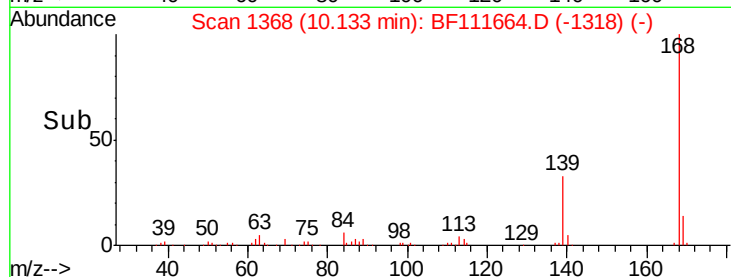
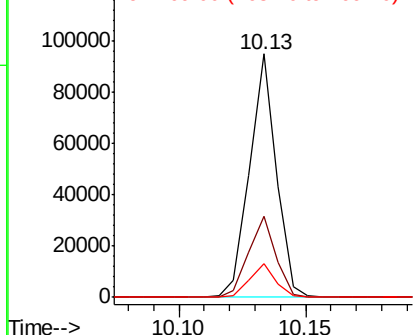
#55  
Dibenzenofuran  
Concen: 2.533 ng  
RT: 10.13 min Scan# 1368  
Delta R.T. -0.01 min  
Lab File: BF111664.D  
Acq: 21 Dec 2018 2:59

Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-1218-01MSD

Tgt Ion:168 Resp: 69885  
Ion Ratio Lower Upper  
168 100  
139 33.4 32.6 49.0  
169 13.6 11.8 17.6

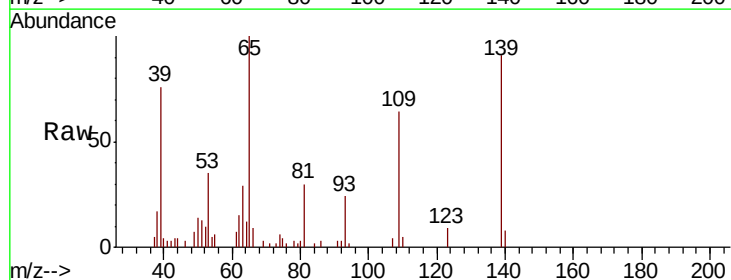


Abundance Ion 168.00 (167.70 to 168.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 169.00 (168.70 to 169.70): E

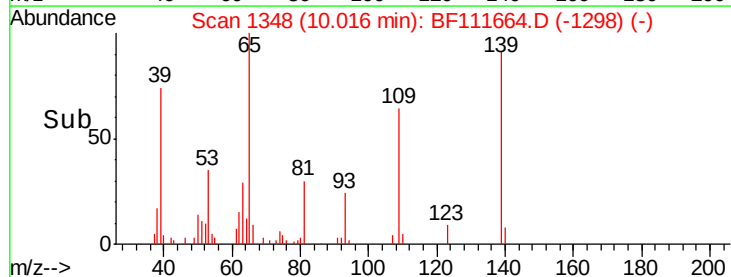
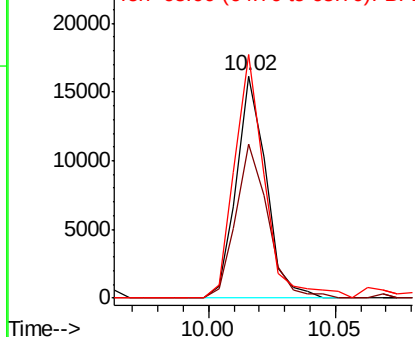


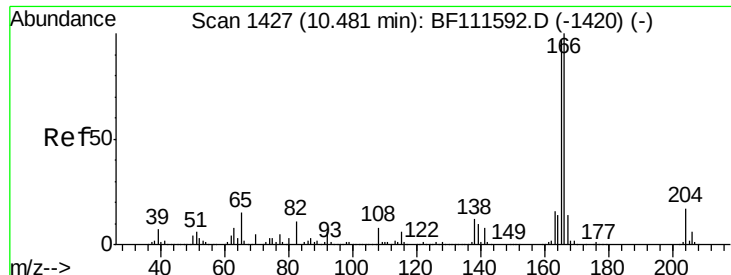
#56  
4-Nitrophenol  
Concen: 3.657 ng  
RT: 10.02 min Scan# 1348  
Delta R.T. -0.01 min  
Lab File: BF111664.D  
Acq: 21 Dec 2018 2:59

Tgt Ion:139 Resp: 13160  
Ion Ratio Lower Upper  
139 100  
109 69.7 41.8 81.8  
65 109.7 79.6 119.6



Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF1

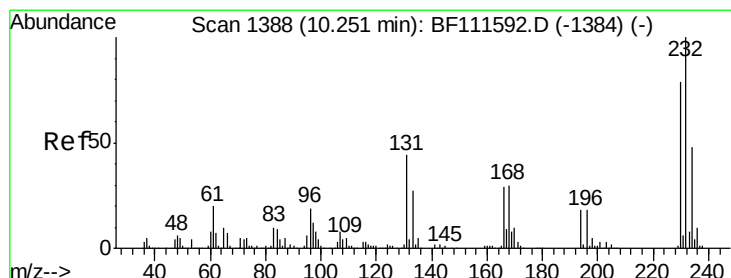
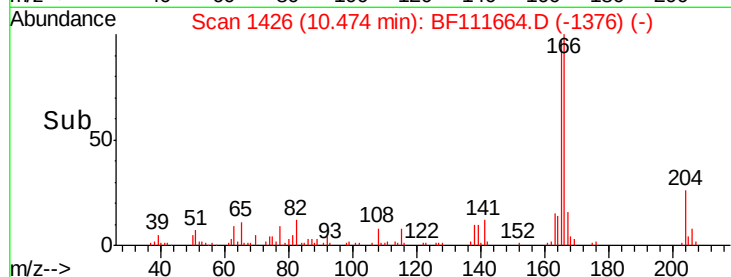
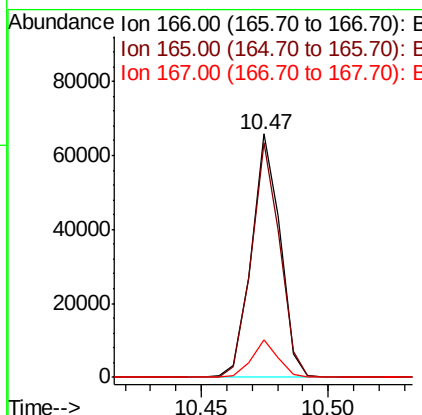
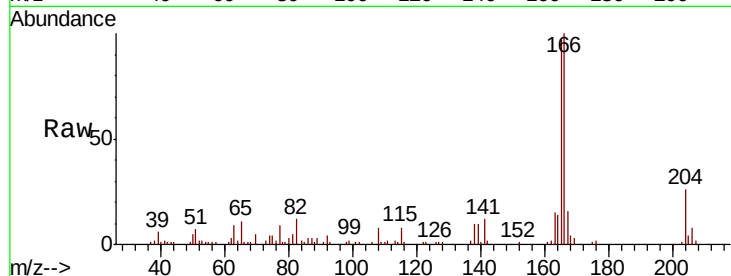




#58  
 Fluorene  
 Concen: 2.609 ng  
 RT: 10.47 min Scan# 1426  
 Delta R.T. -0.01 min  
 Lab File: BF111664.D  
 Acq: 21 Dec 2018 2:59

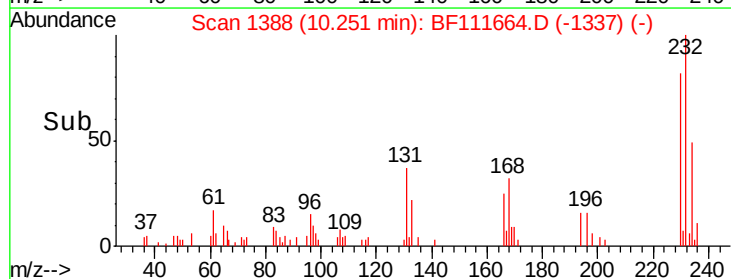
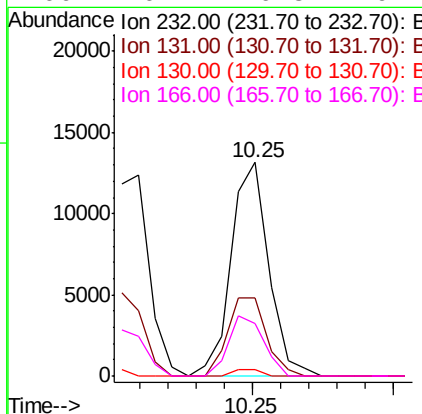
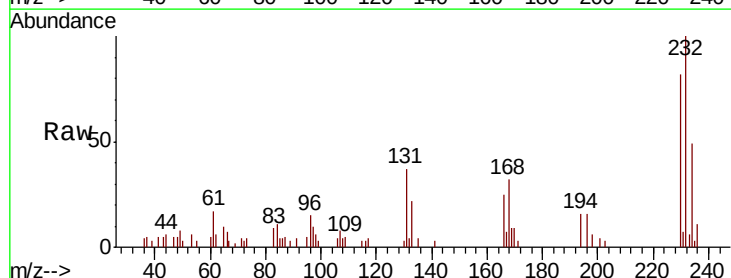
Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS025-1218-01MSD

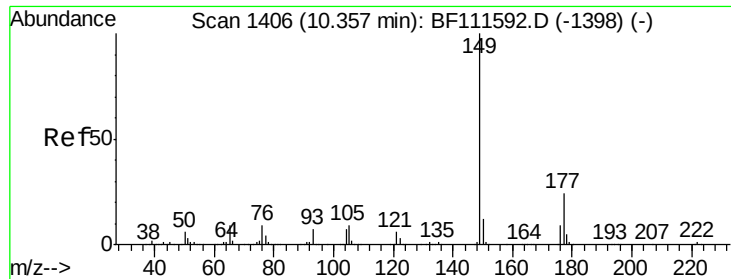
Tgt Ion:166 Resp: 51886  
 Ion Ratio Lower Upper  
 166 100  
 165 96.6 78.4 117.6  
 167 15.6 11.2 16.8



#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 2.111 ng  
 RT: 10.25 min Scan# 1388  
 Delta R.T. -0.00 min  
 Lab File: BF111664.D  
 Acq: 21 Dec 2018 2:59

Tgt Ion:232 Resp: 12127  
 Ion Ratio Lower Upper  
 232 100  
 131 38.1 40.9 61.3#  
 130 2.2 2.0 3.0  
 166 26.4 26.8 40.2#

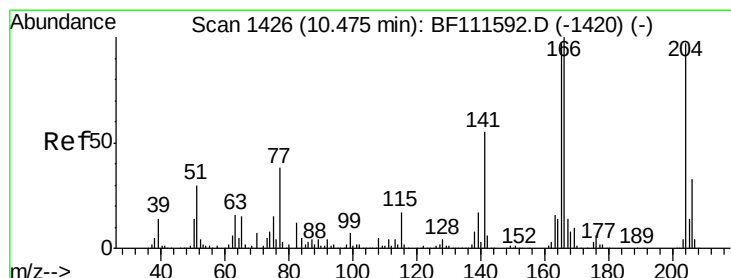
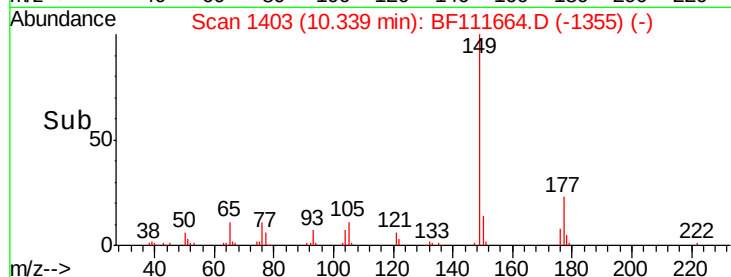
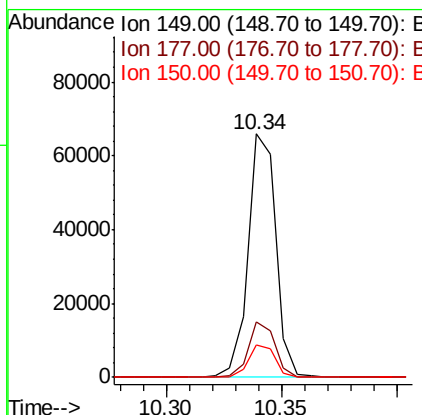
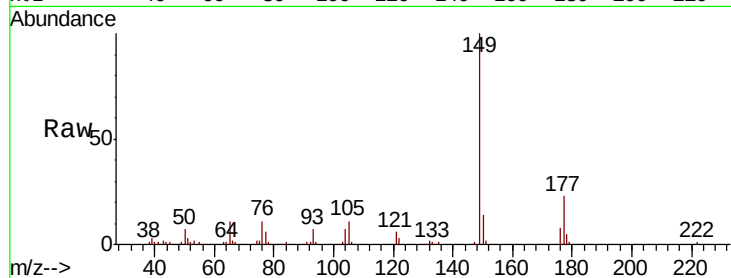




#60  
Diethylphthalate  
Concen: 2.547 ng  
RT: 10.34 min Scan# 1403  
Delta R.T. -0.02 min  
Lab File: BF111664.D  
Acq: 21 Dec 2018 2:59

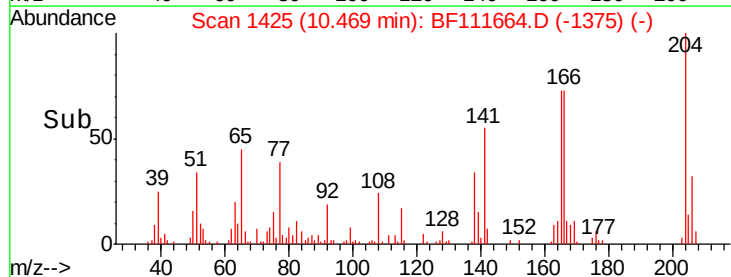
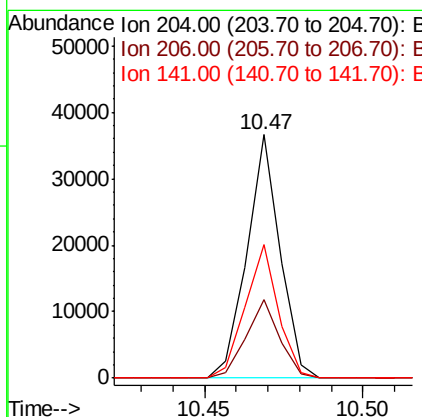
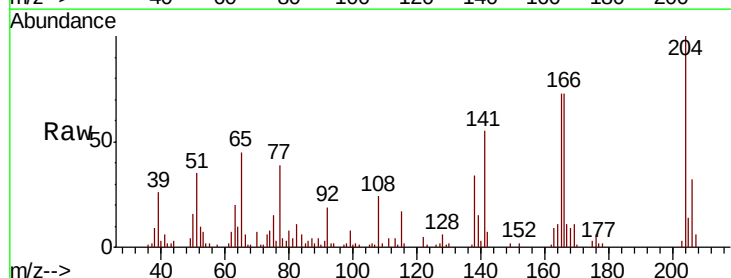
Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-1218-01MSD

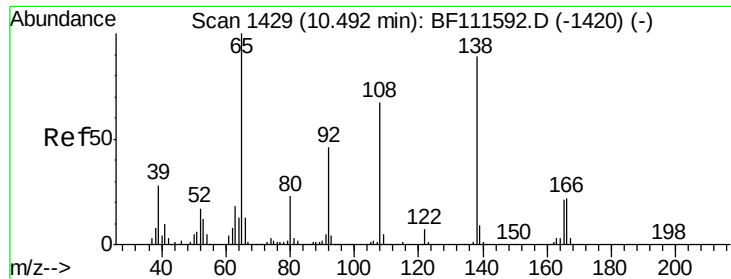
Tgt Ion:149 Resp: 55413  
Ion Ratio Lower Upper  
149 100  
177 22.8 18.3 27.5  
150 13.5 10.6 15.8



#61  
4-Chlorophenyl-phenylether  
Concen: 2.408 ng  
RT: 10.47 min Scan# 1425  
Delta R.T. -0.01 min  
Lab File: BF111664.D  
Acq: 21 Dec 2018 2:59

Tgt Ion:204 Resp: 26450  
Ion Ratio Lower Upper  
204 100  
206 32.4 26.6 39.8  
141 54.9 52.6 78.8

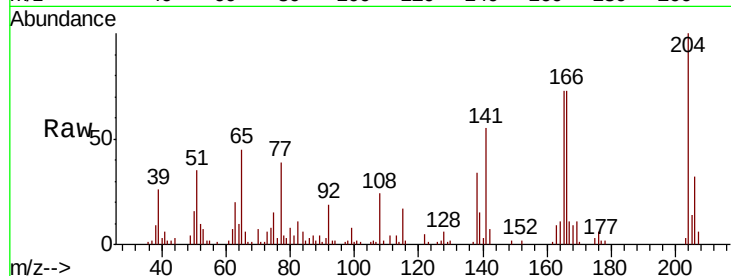




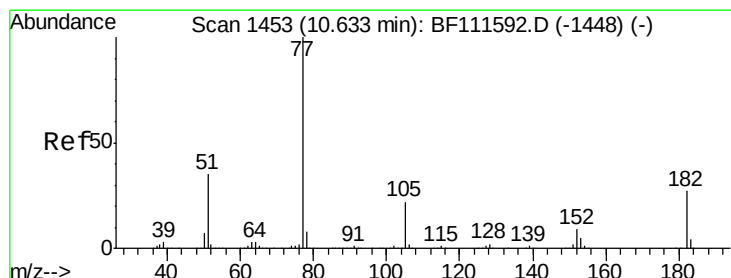
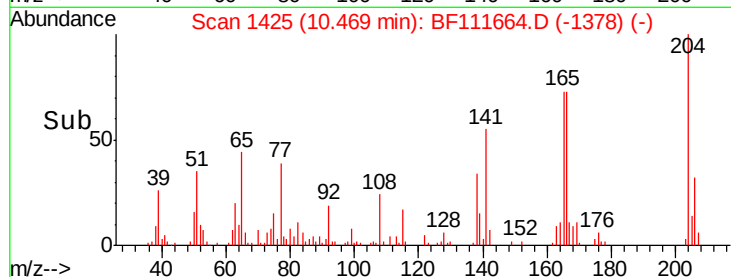
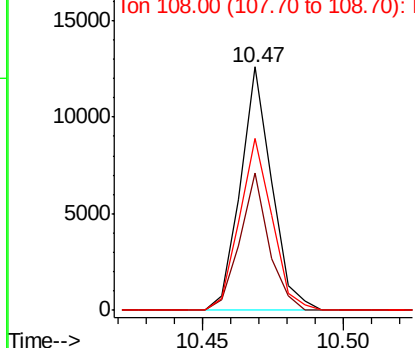
#62  
4-Nitroaniline  
Concen: 2.113 ng  
RT: 10.47 min Scan# 1425  
Delta R.T. -0.02 min  
Lab File: BF111664.D  
Acq: 21 Dec 2018 2:59

Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-1218-01MSD

Tgt Ion: 138 Resp: 9685  
Ion Ratio Lower Upper  
138 100  
92 56.5 29.9 69.9  
108 70.6 43.2 83.2

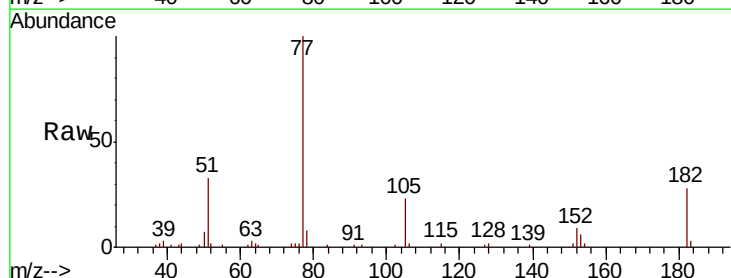


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 92.00 (91.70 to 92.70): BF1  
Ion 108.00 (107.70 to 108.70): E

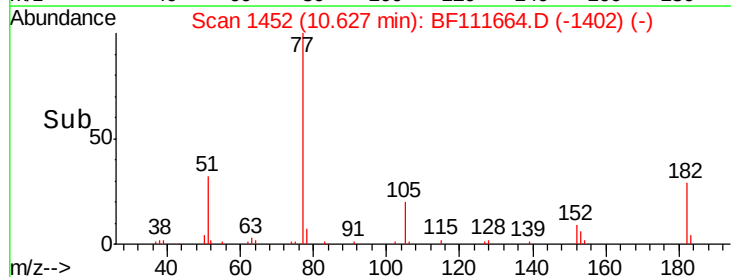
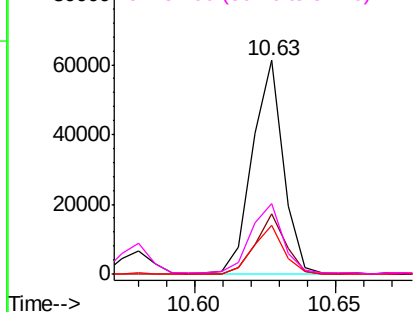


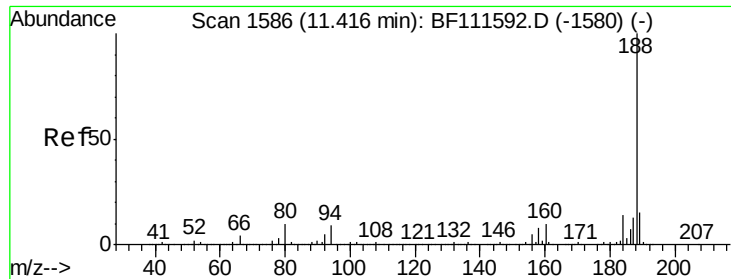
#63  
Azobenzene  
Concen: 2.133 ng  
RT: 10.63 min Scan# 1452  
Delta R.T. -0.01 min  
Lab File: BF111664.D  
Acq: 21 Dec 2018 2:59

Tgt Ion: 77 Resp: 46574  
Ion Ratio Lower Upper  
77 100  
182 28.0 4.9 44.9  
105 22.7 6.0 46.0  
51 33.3 14.7 54.7



Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 182.00 (181.70 to 182.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 51.00 (50.70 to 51.70): BF1

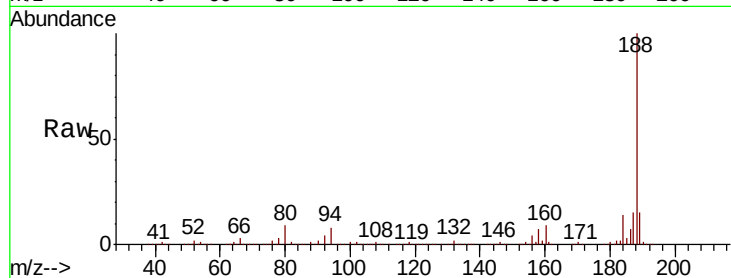




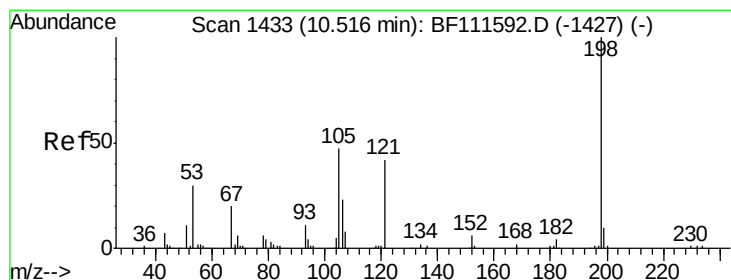
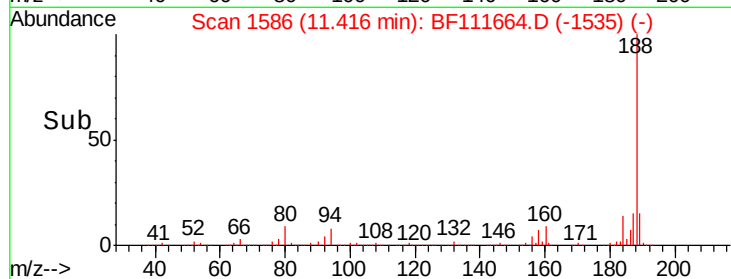
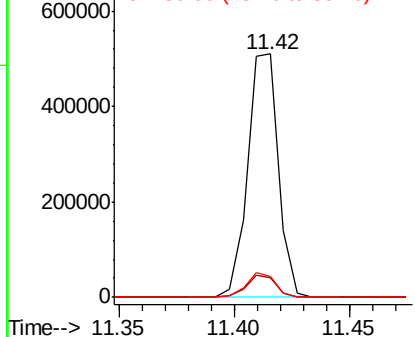
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.42 min Scan# 1586  
 Delta R.T. -0.00 min  
 Lab File: BF111664.D  
 Acq: 21 Dec 2018 2:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS025-1218-01MSD

Tgt Ion:188 Resp: 475330  
 Ion Ratio Lower Upper  
 188 100  
 94 8.0 9.6 14.4#  
 80 8.7 9.8 14.6#

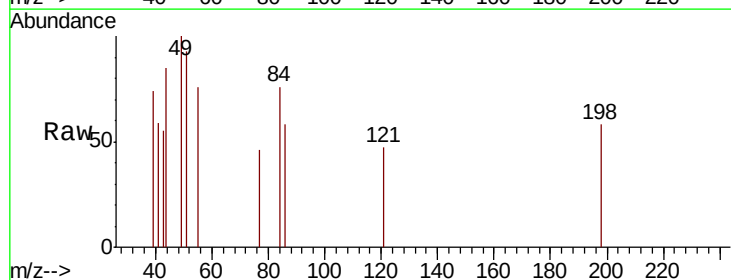


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF1  
 Ion 80.00 (79.70 to 80.70): BF1

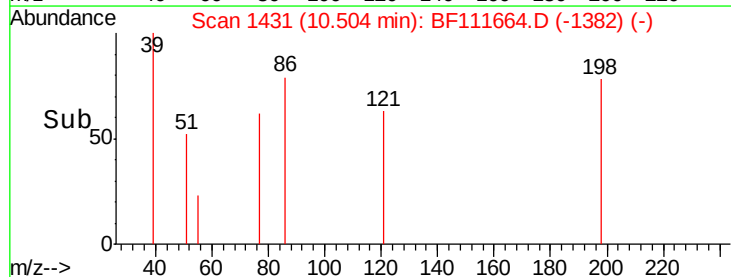
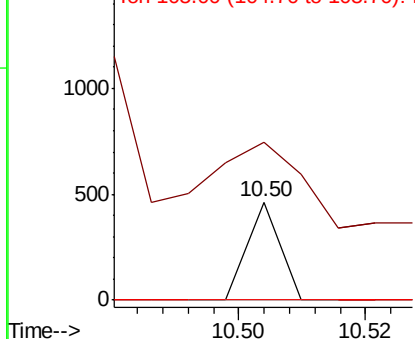


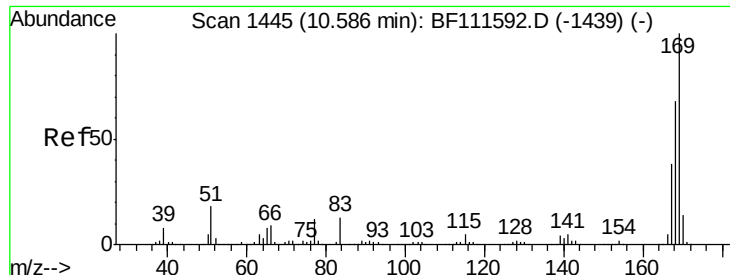
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 6.764 ng  
 RT: 10.50 min Scan# 1431  
 Delta R.T. -0.01 min  
 Lab File: BF111664.D  
 Acq: 21 Dec 2018 2:59

Tgt Ion:198 Resp: 163  
 Ion Ratio Lower Upper  
 198 100  
 51 161.1 48.0 88.0#  
 105 0.0 34.0 74.0#



Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF1  
 Ion 105.00 (104.70 to 105.70): E

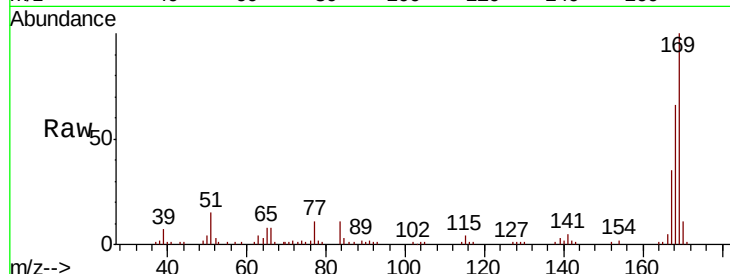




#66  
 n-Nitrosodiphenylamine  
 Concen: 2.750 ng  
 RT: 10.58 min Scan# 1444  
 Delta R.T. -0.01 min  
 Lab File: BF111664.D  
 Acq: 21 Dec 2018 2:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS025-1218-01MSD

| Tgt Ion | Resp  | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 43886 |       |       |
| 168     | 65.9  | 54.4  | 81.6  |
| 167     | 35.3  | 30.5  | 45.7  |

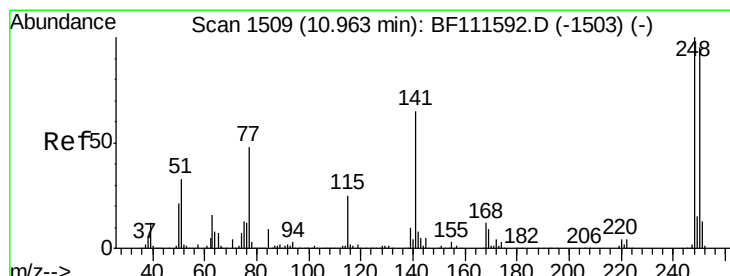
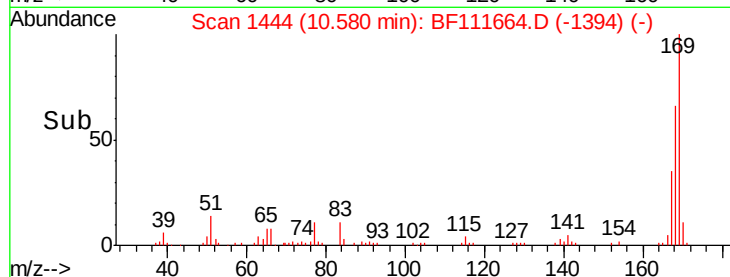
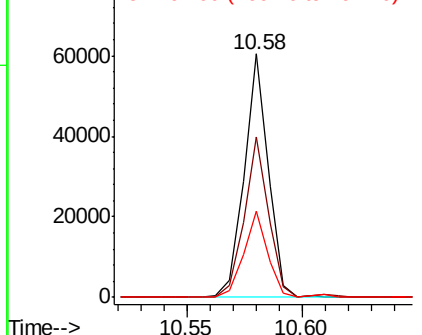


Abundance

Ion 169.00 (168.70 to 169.70): E

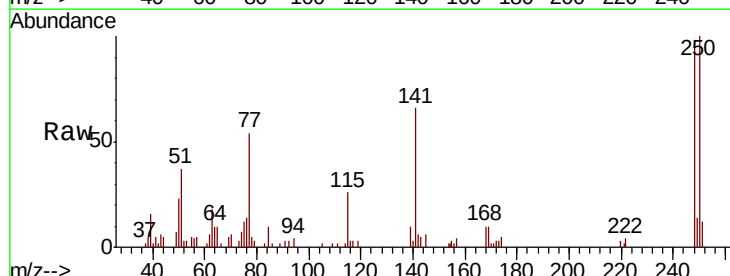
Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#67  
 4-Bromophenyl-phenylether  
 Concen: 2.553 ng  
 RT: 10.96 min Scan# 1508  
 Delta R.T. -0.01 min  
 Lab File: BF111664.D  
 Acq: 21 Dec 2018 2:59

| Tgt Ion | Resp  | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 15052 |       |       |
| 250     | 102.2 | 77.0  | 115.4 |
| 141     | 67.0  | 63.0  | 94.6  |

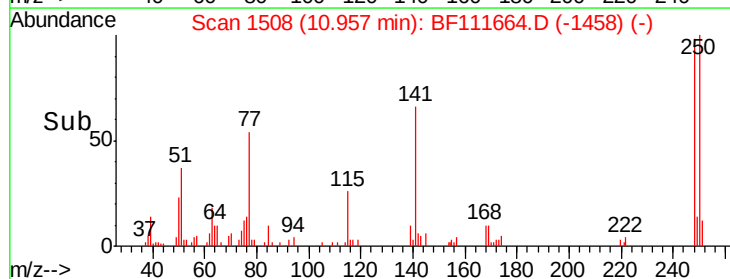
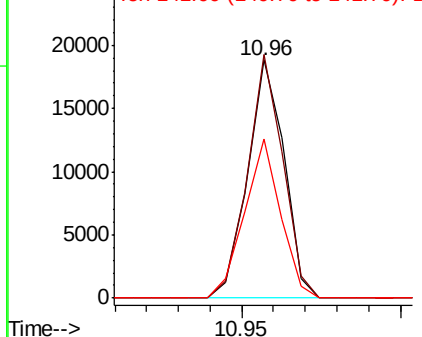


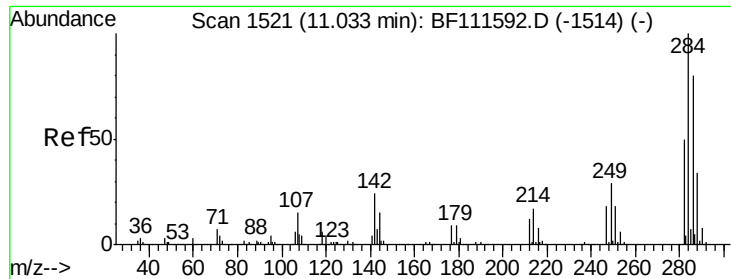
Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#68

Hexachlorobenzene

Concen: 2.487 ng

RT: 11.03 min Scan# 1520

Delta R.T. -0.01 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

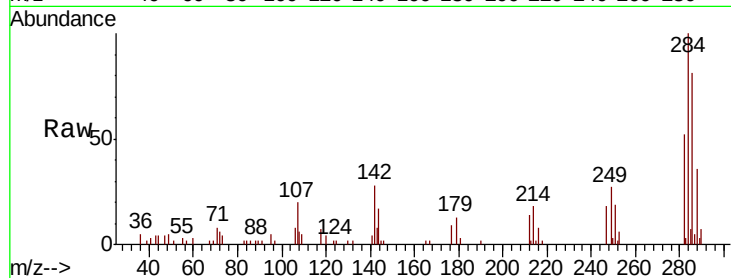
Tgt Ion:284 Resp: 16348

Ion Ratio Lower Upper

284 100

142 28.0 27.4 41.2

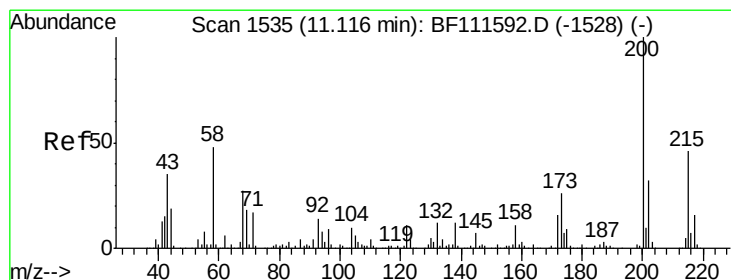
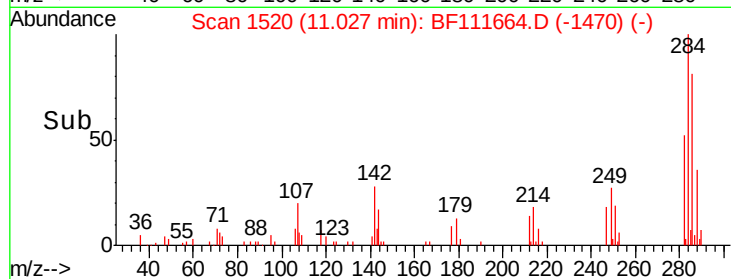
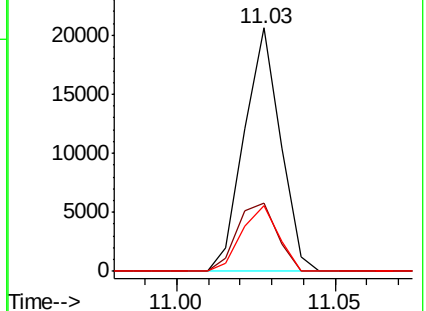
249 27.2 24.4 36.6



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#69

Atrazine

Concen: 2.666 ng

RT: 11.10 min Scan# 1533

Delta R.T. -0.01 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

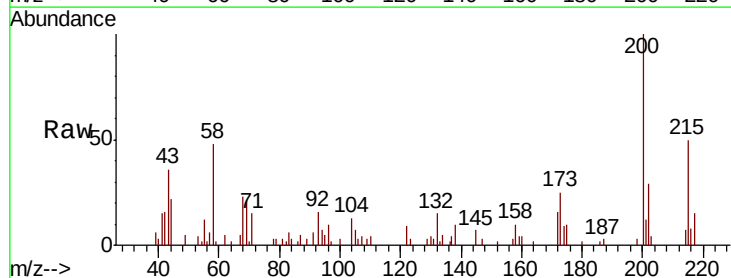
Tgt Ion:200 Resp: 14776

Ion Ratio Lower Upper

200 100

173 25.1 10.1 50.1

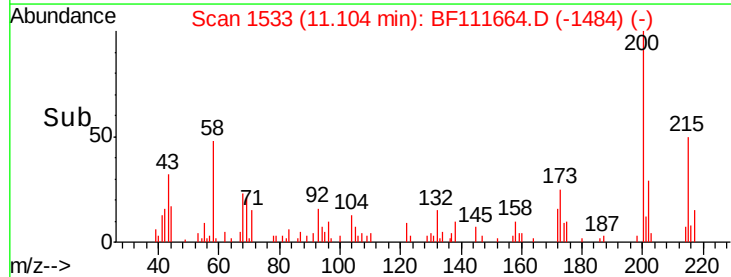
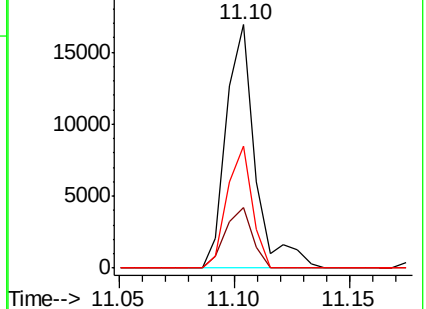
215 49.9 26.9 66.9



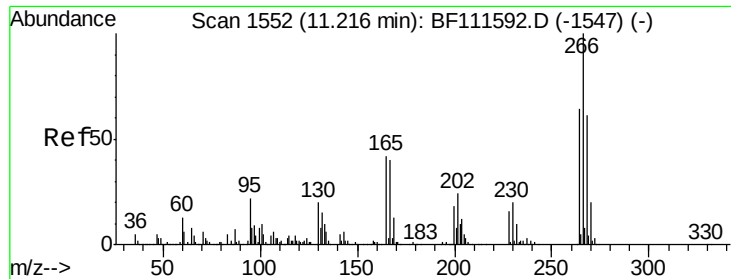
Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



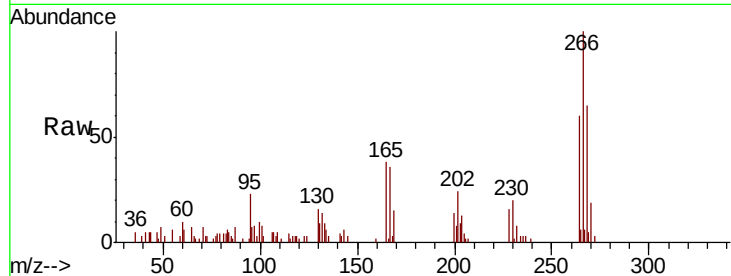




#70  
 Pentachlorophenol  
 Concen: 3.162 ng  
 RT: 11.22 min Scan# 1552  
 Delta R.T. -0.00 min  
 Lab File: BF111664.D  
 Acq: 21 Dec 2018 2:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P001-SS025-1218-01MSD

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 65.3  | 47.9  | 71.9  |
| 264     | 60.5  | 49.1  | 73.7  |

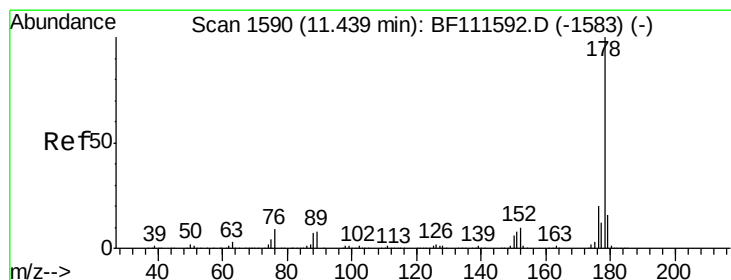
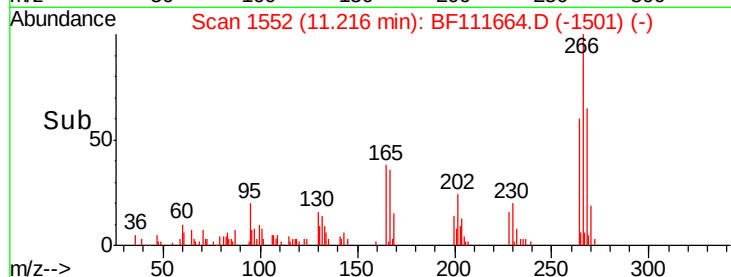
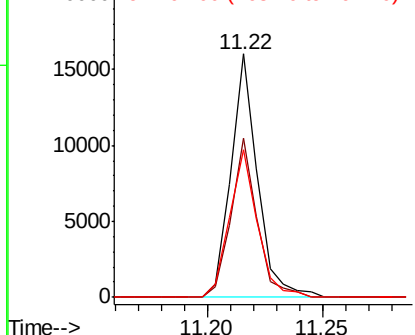


Abundance

Ion 265.70 (265.40 to 266.40): E

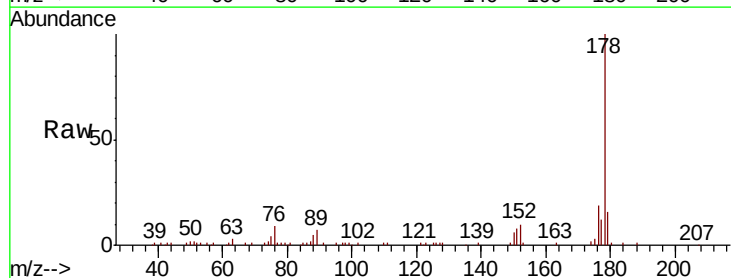
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#71  
 Phenanthrene  
 Concen: 2.775 ng  
 RT: 11.43 min Scan# 1589  
 Delta R.T. -0.01 min  
 Lab File: BF111664.D  
 Acq: 21 Dec 2018 2:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.6  | 18.1  | 27.1  |
| 179     | 16.0  | 14.0  | 21.0  |

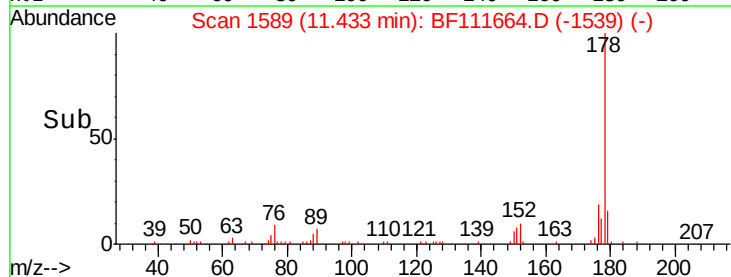
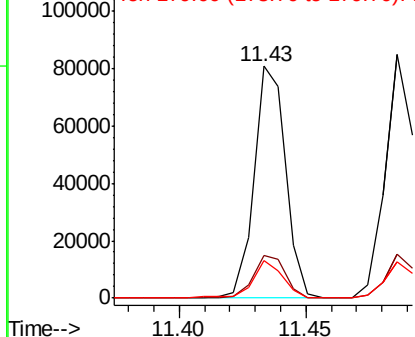


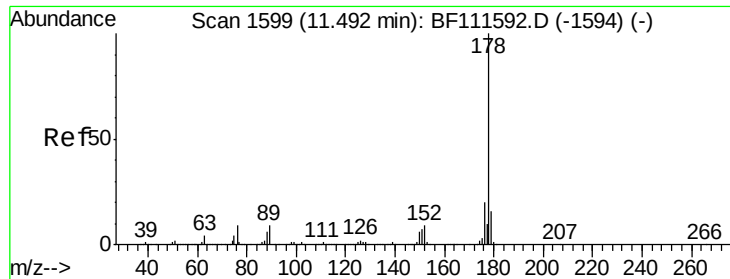
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.701 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

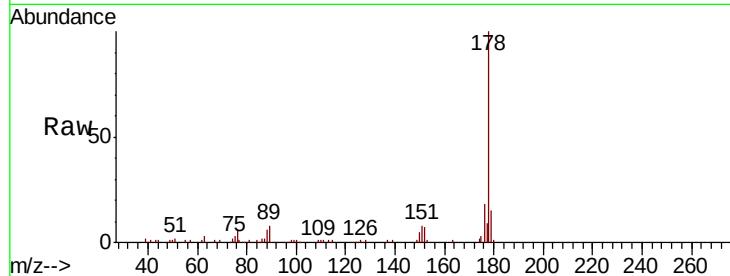
Tgt Ion:178 Resp: 68331

Ion Ratio Lower Upper

178 100

176 17.9 17.2 25.8

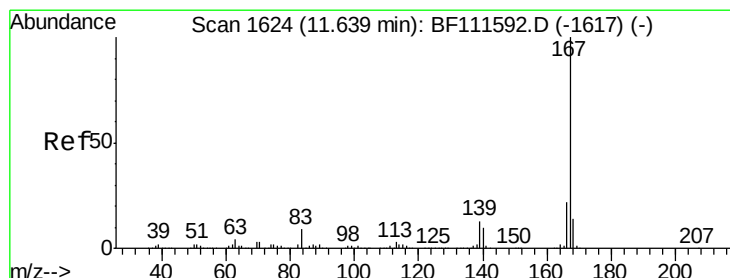
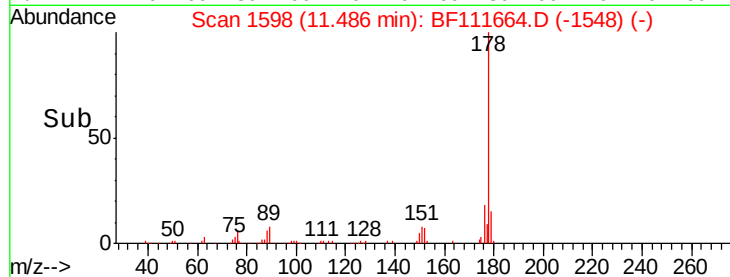
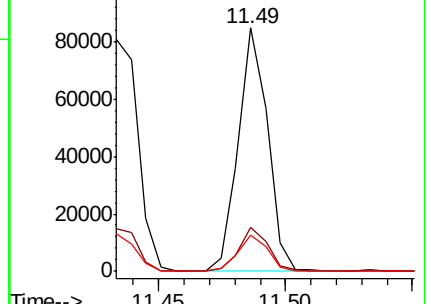
179 14.7 13.8 20.8



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 2.377 ng

RT: 11.63 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

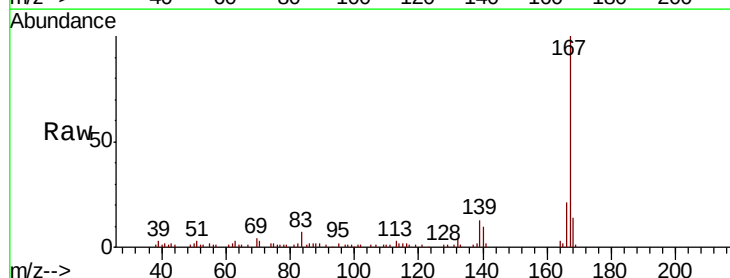
Tgt Ion:167 Resp: 58394

Ion Ratio Lower Upper

167 100

166 21.3 19.3 28.9

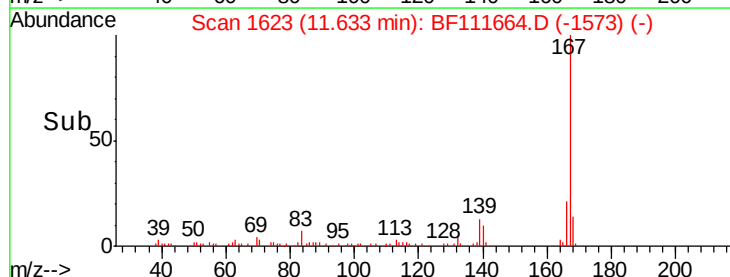
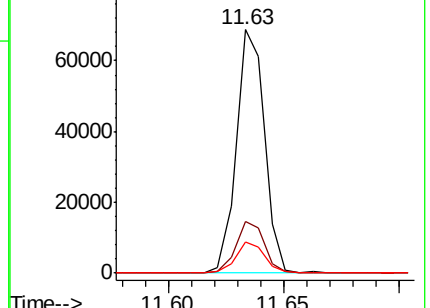
139 12.6 11.9 17.9

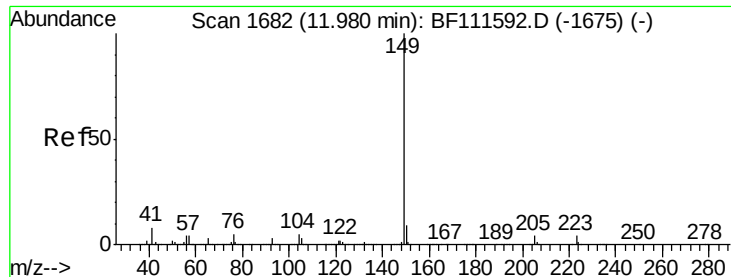


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 2.497 ng

RT: 11.97 min Scan# 1681

Delta R.T. -0.01 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

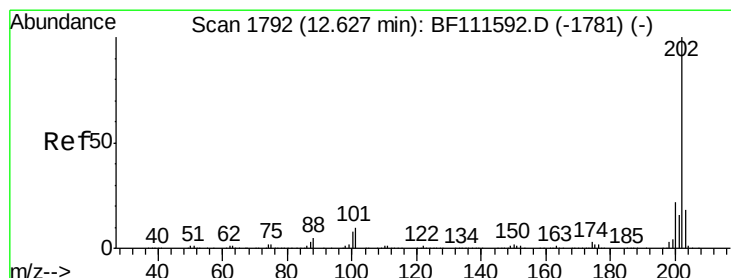
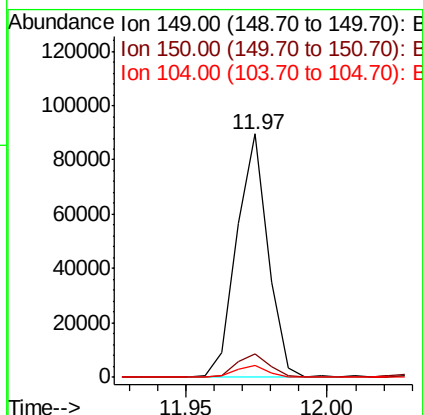
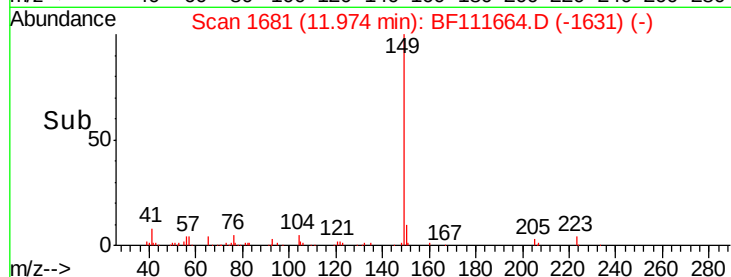
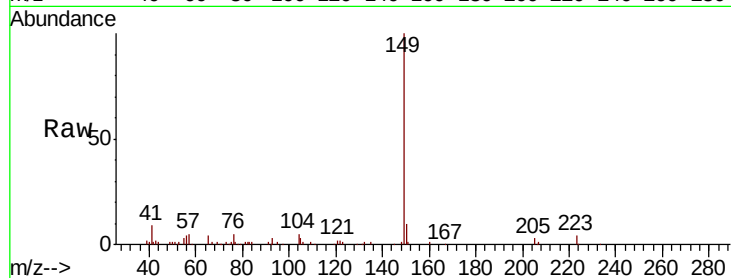
Tgt Ion:149 Resp: 68777

Ion Ratio Lower Upper

149 100

150 9.7 8.8 13.2

104 4.7 4.5 6.7



#75

Fluoranthene

Concen: 2.736 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

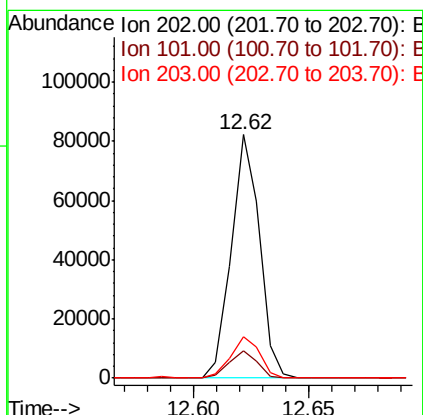
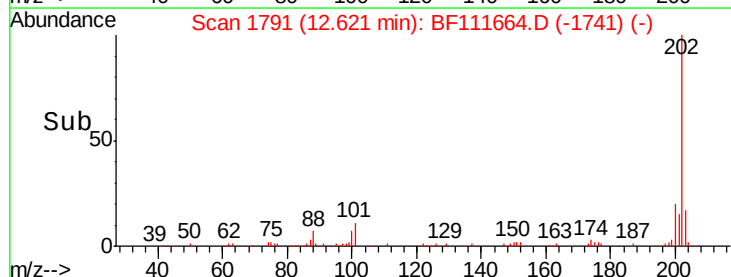
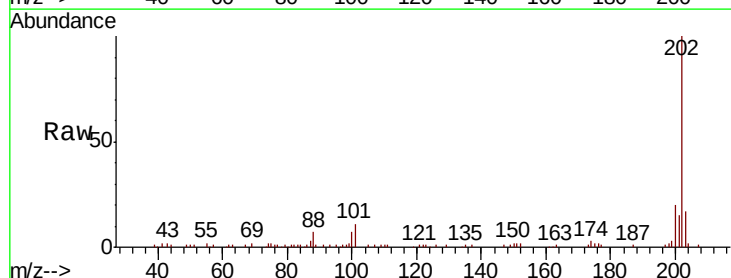
Tgt Ion:202 Resp: 69836

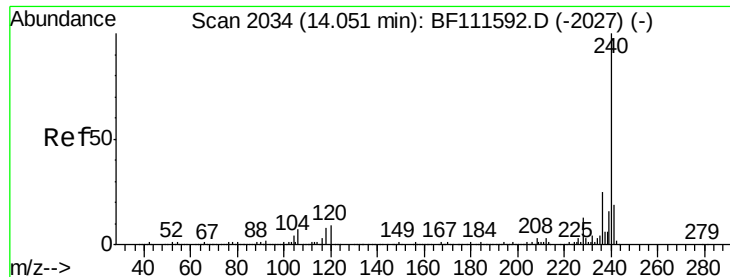
Ion Ratio Lower Upper

202 100

101 11.1 0.0 33.8

203 17.2 0.0 38.6

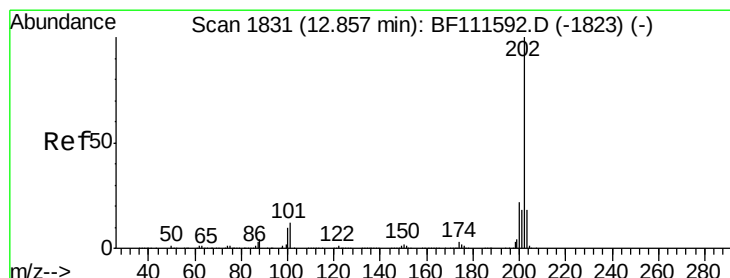
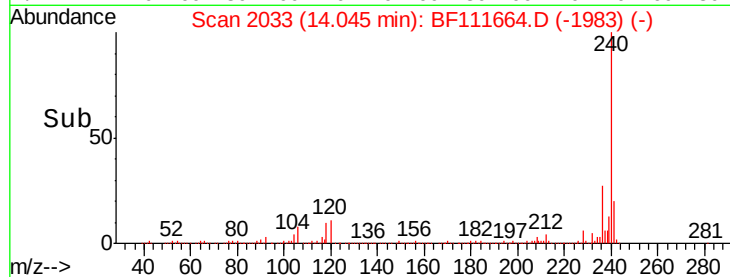
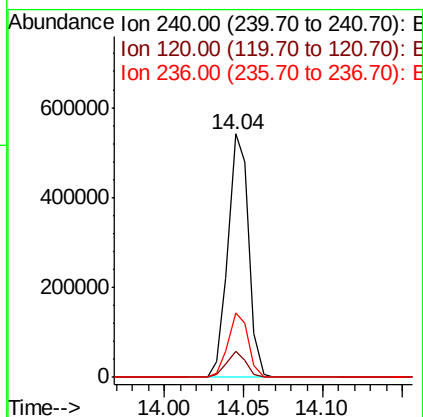
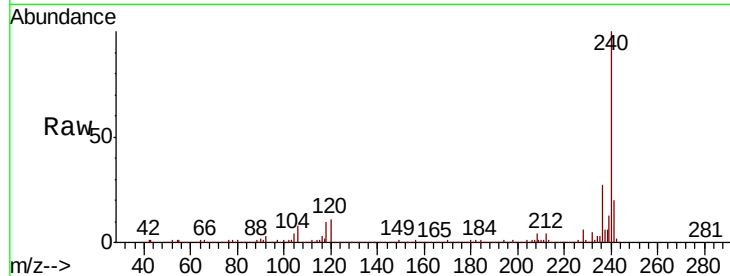




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.04 min Scan# 2033  
Delta R.T. -0.01 min  
Lab File: BF111664.D  
Acq: 21 Dec 2018 2:59

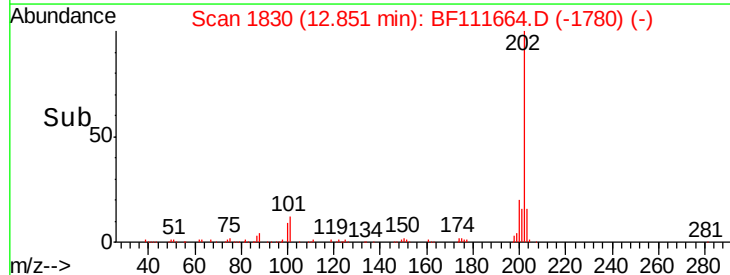
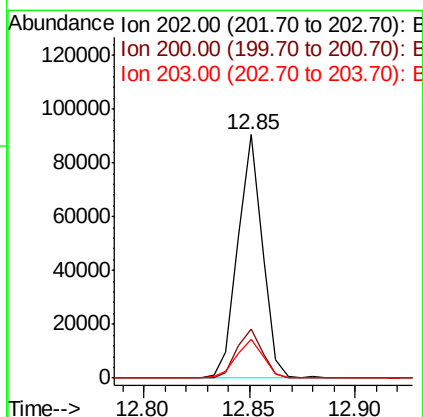
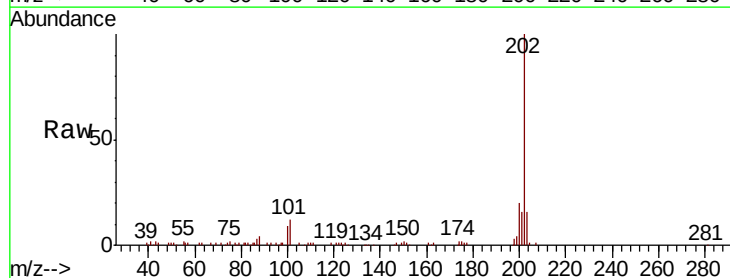
Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-1218-01MSD

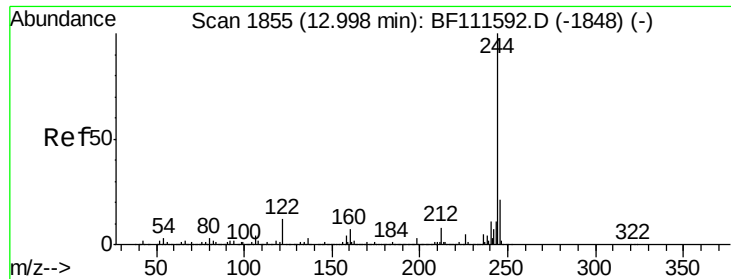
Tgt Ion:240 Resp: 490482  
Ion Ratio Lower Upper  
240 100  
120 10.5 12.2 18.2#  
236 26.5 20.2 30.2



#78  
Pyrene  
Concen: 2.101 ng  
RT: 12.85 min Scan# 1830  
Delta R.T. -0.01 min  
Lab File: BF111664.D  
Acq: 21 Dec 2018 2:59

Tgt Ion:202 Resp: 72760  
Ion Ratio Lower Upper  
202 100  
200 20.4 19.0 28.4  
203 16.1 15.2 22.8





#79

Terphenyl-d14

Concen: 4.084 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

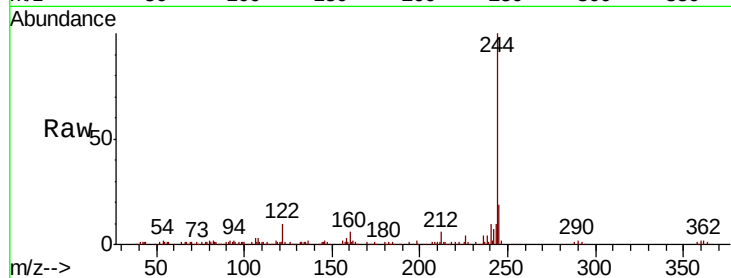
Tgt Ion:244 Resp: 105618

Ion Ratio Lower Upper

244 100

212 6.5 5.7 8.5

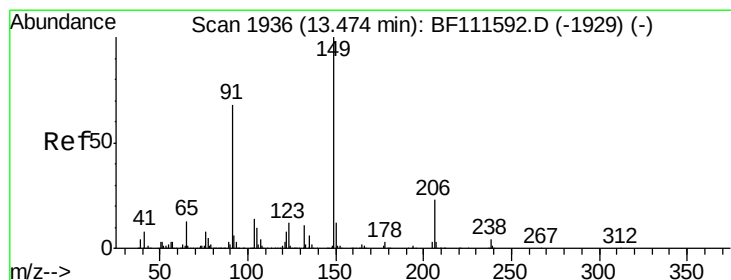
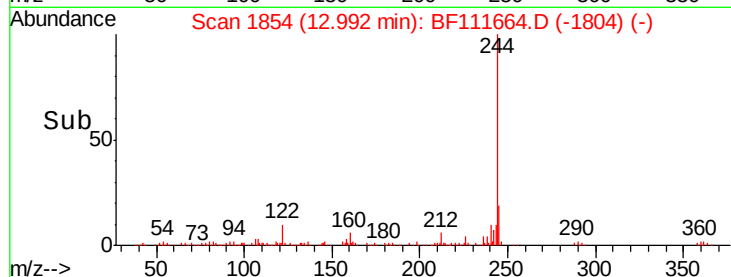
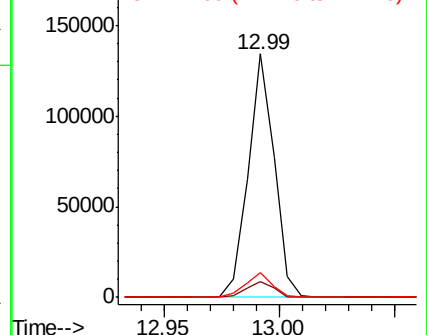
122 10.3 13.1 19.7#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 2.116 ng

RT: 13.47 min Scan# 1935

Delta R.T. -0.01 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

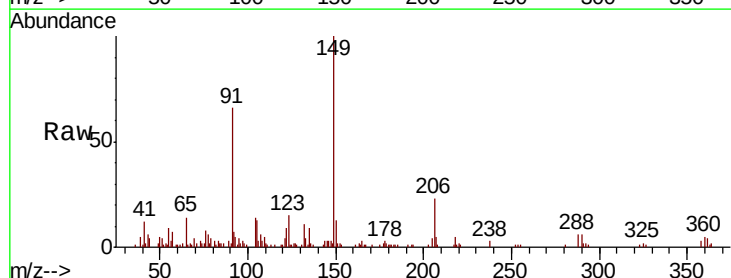
Tgt Ion:149 Resp: 29875

Ion Ratio Lower Upper

149 100

91 66.1 63.8 95.6

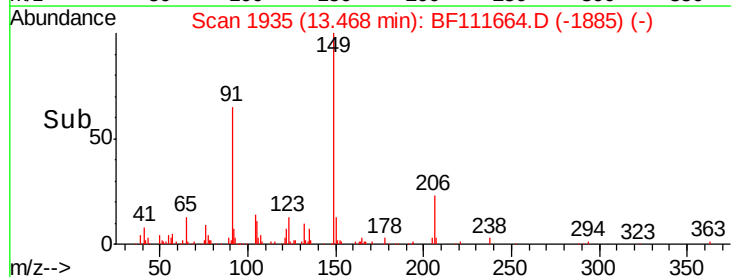
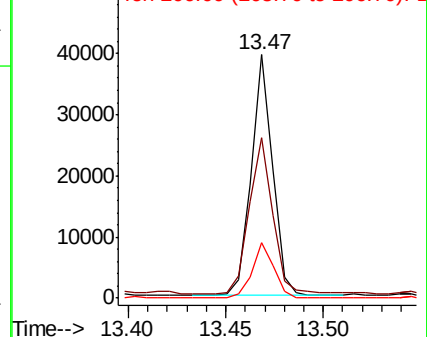
206 23.0 15.1 22.7#

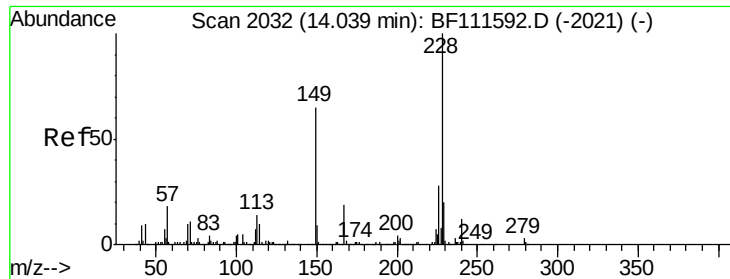


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 2.685 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.00 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

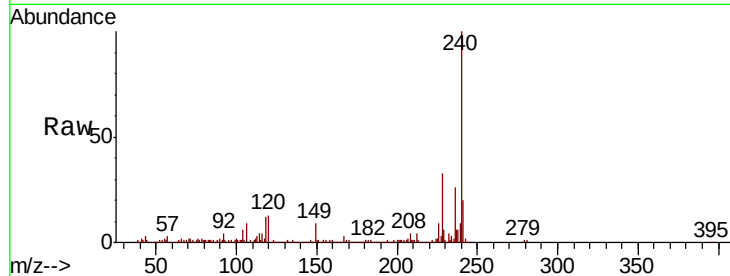
Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 228   | Resp: | 75147 |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 226      | 27.0  | 22.6  | 34.0  |
| 229      | 18.3  | 16.3  | 24.5  |

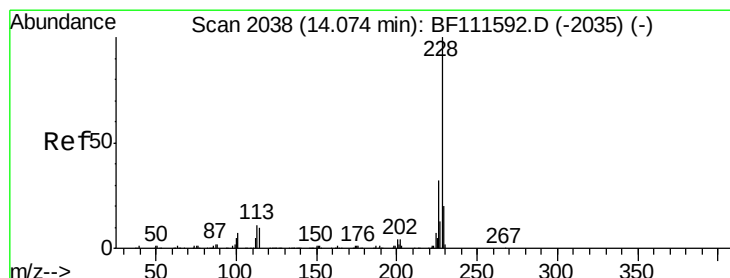
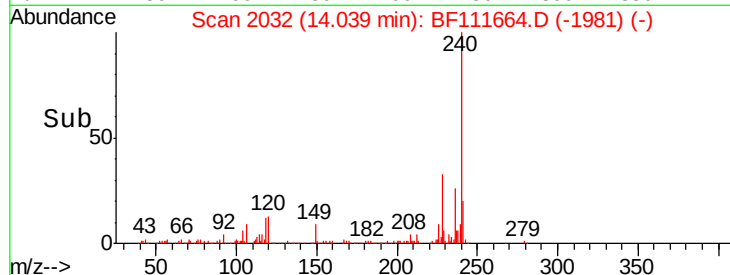
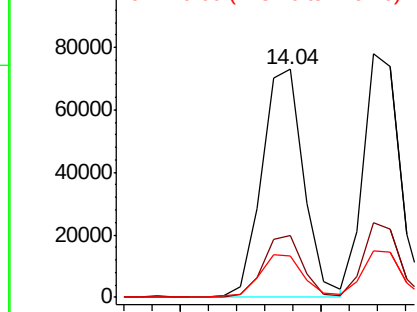


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 2.514 ng

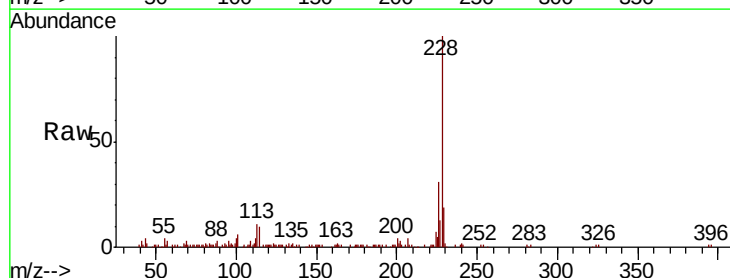
RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 228   | Resp: | 69152 |
| Ion      | Ratio | Lower | Upper |
| 228      | 100   |       |       |
| 226      | 30.8  | 25.3  | 37.9  |
| 229      | 19.2  | 17.2  | 25.8  |

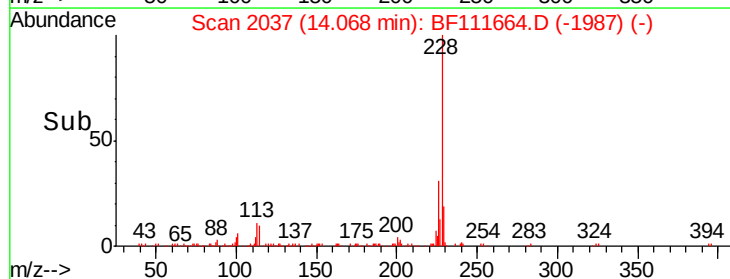
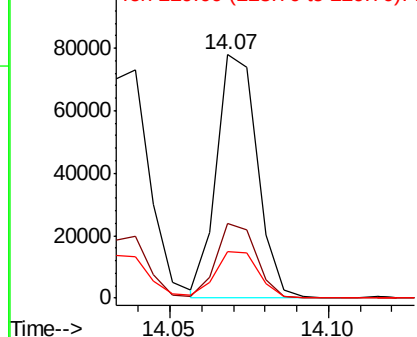


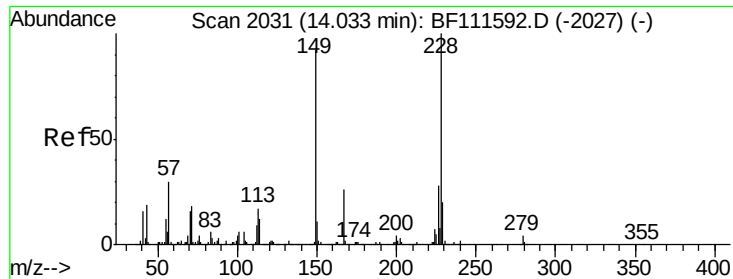
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.325 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

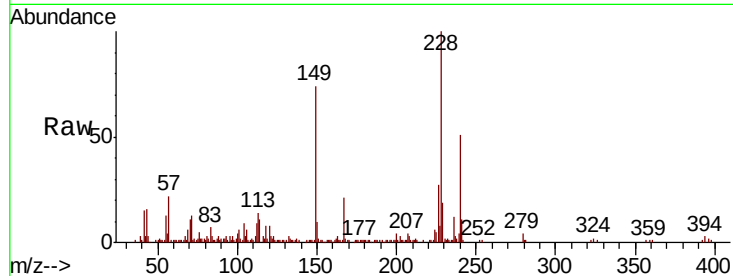
Tgt Ion:149 Resp: 41342

Ion Ratio Lower Upper

149 100

167 28.8 22.5 33.7

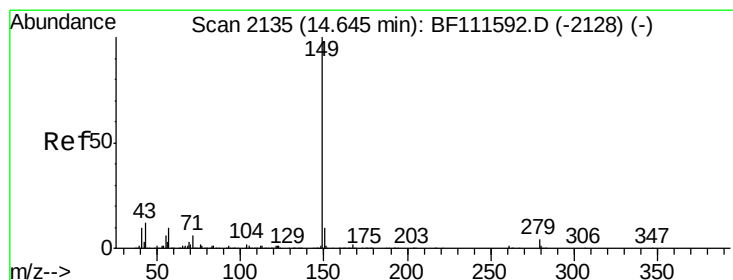
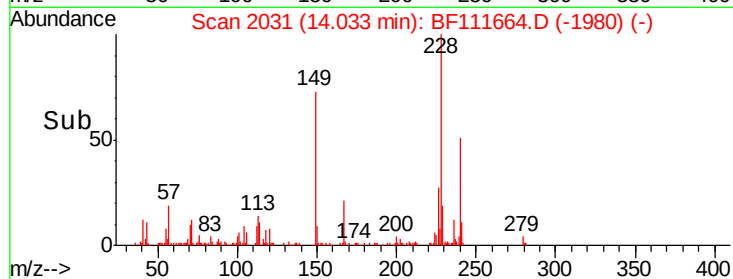
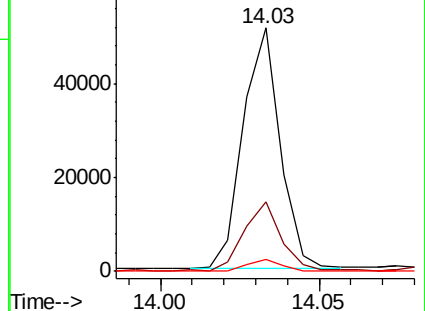
279 5.0 2.6 4.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 2.658 ng

RT: 14.64 min Scan# 2134

Delta R.T. -0.01 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

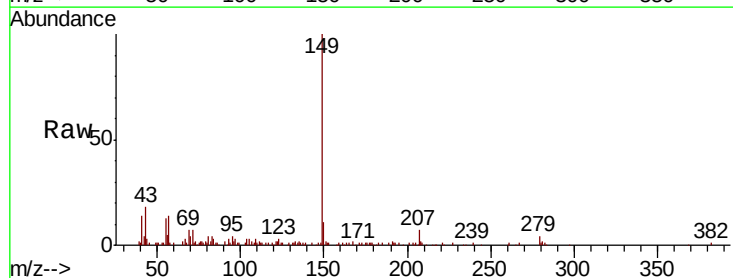
Tgt Ion:149 Resp: 73243

Ion Ratio Lower Upper

149 100

167 3.1 1.3 1.9#

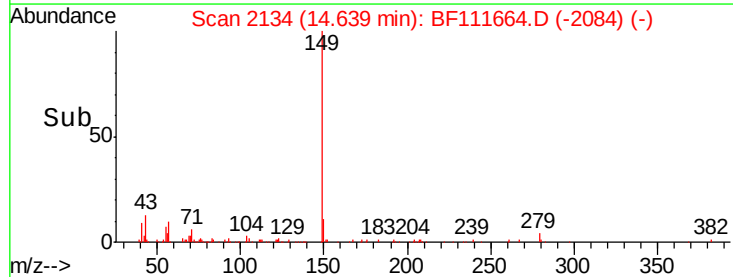
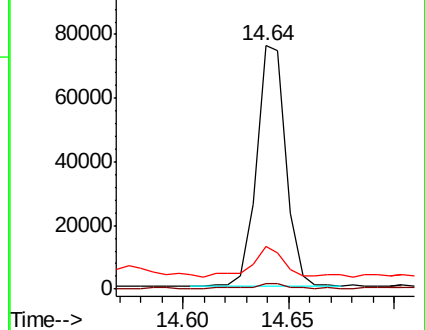
43 12.9 10.9 16.3

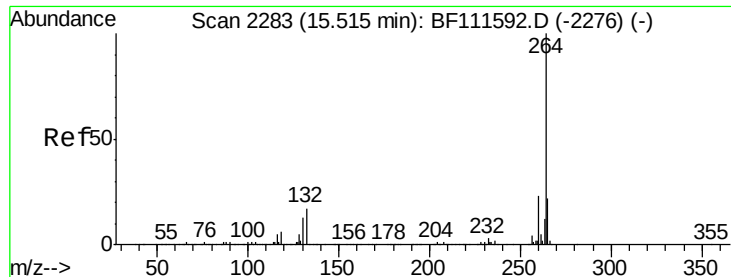


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



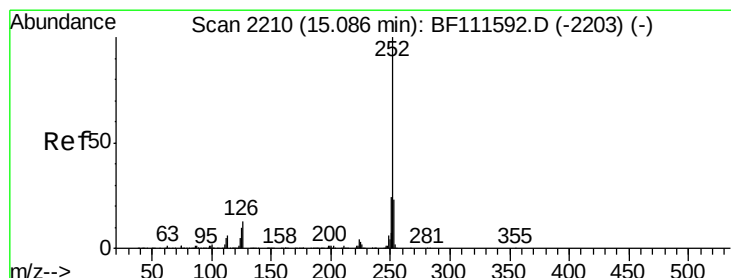
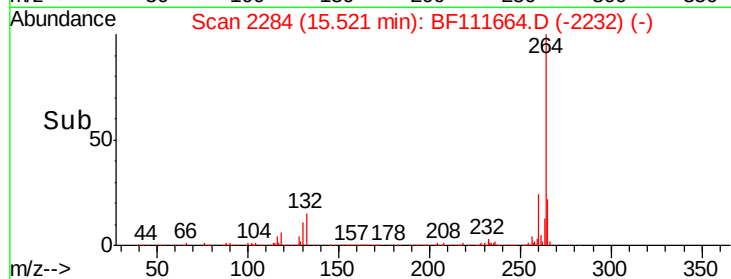
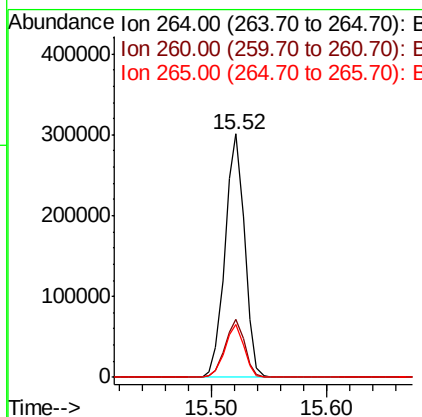
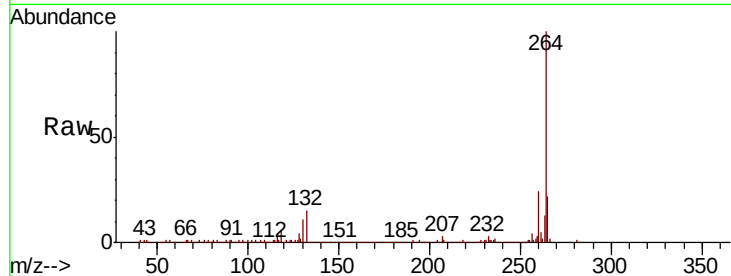


#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.52 min Scan# 2284  
Delta R.T. 0.01 min  
Lab File: BF111664.D  
Acq: 21 Dec 2018 2:59

Instrument :  
BNA\_F  
ClientSampleId :  
P001-SS025-1218-01MSD

Tgt Ion: 264 Resp: 353206  

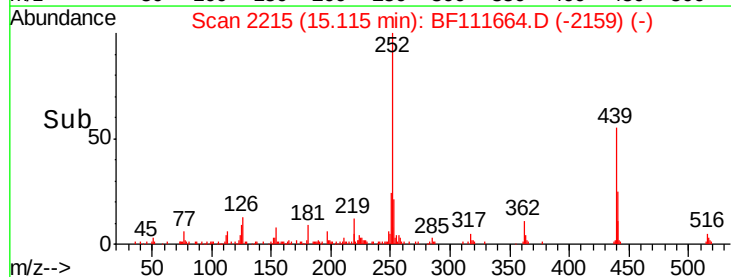
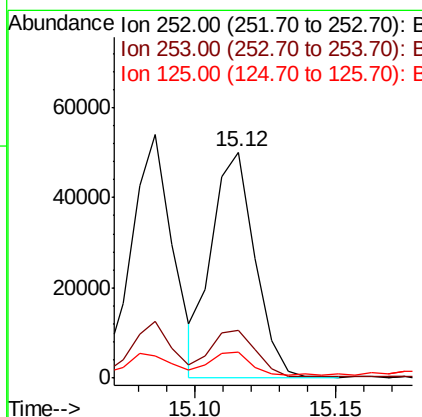
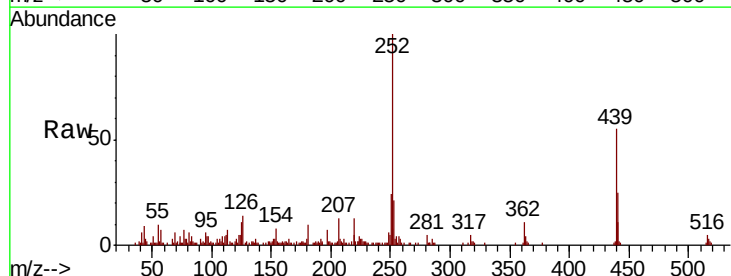
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.8  | 18.3  | 27.5  |
| 265 | 21.8  | 17.7  | 26.5  |



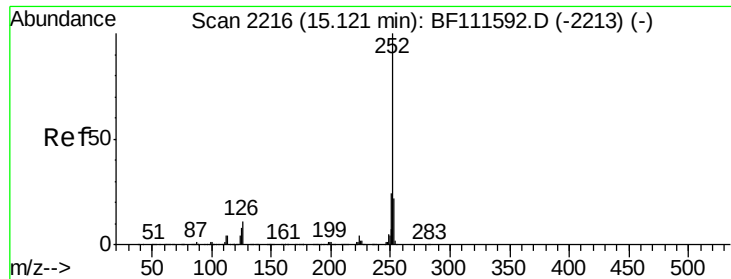
#88  
Benzo(b)fluoranthene  
Concen: 2.594 ng  
RT: 15.12 min Scan# 2215  
Delta R.T. 0.03 min  
Lab File: BF111664.D  
Acq: 21 Dec 2018 2:59

Tgt Ion: 252 Resp: 53550  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 21.2  | 18.2  | 27.2  |
| 125 | 11.3  | 10.4  | 15.6  |







#89

Benzo(k)fluoranthene

Concen: 2.725 ng

RT: 15.12 min Scan# 2215

Delta R.T. -0.01 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

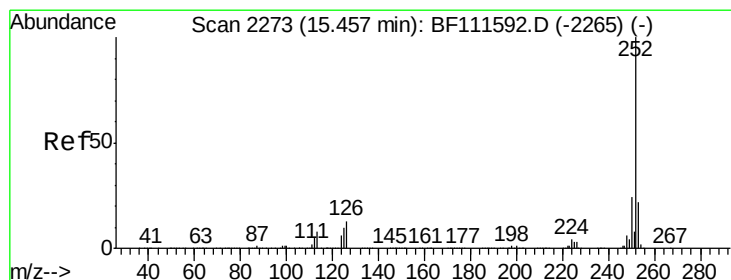
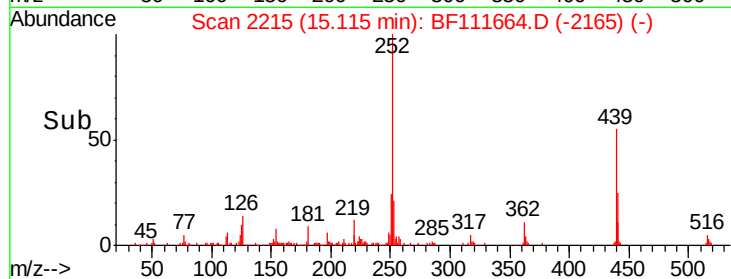
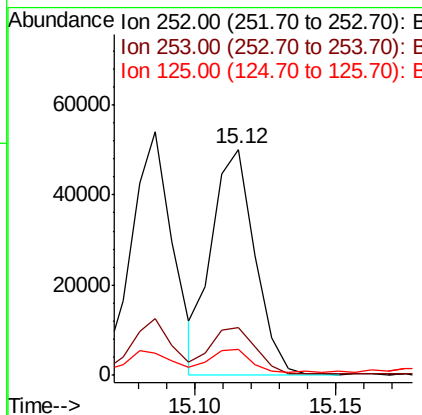
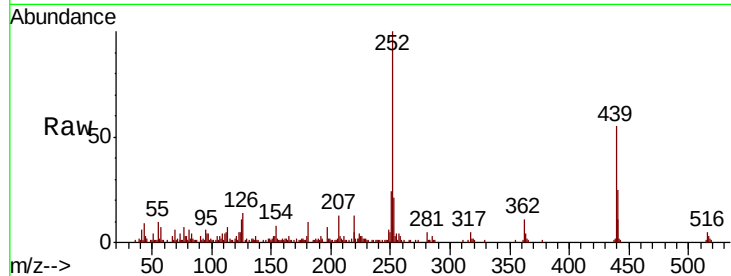
Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 53550 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 21.2  | 18.1  | 27.1  |
| 125       | 11.3  | 9.8   | 14.8  |



#90

Benzo(a)pyrene

Concen: 2.575 ng

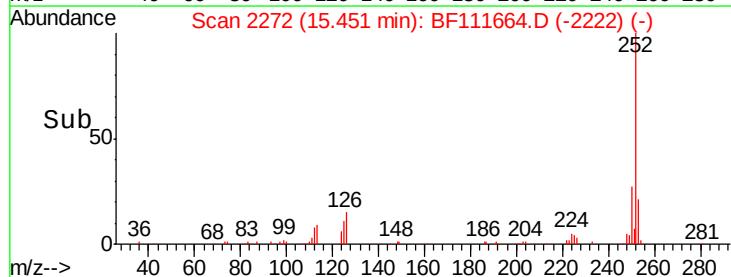
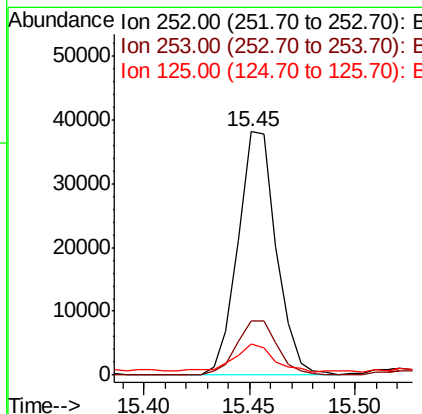
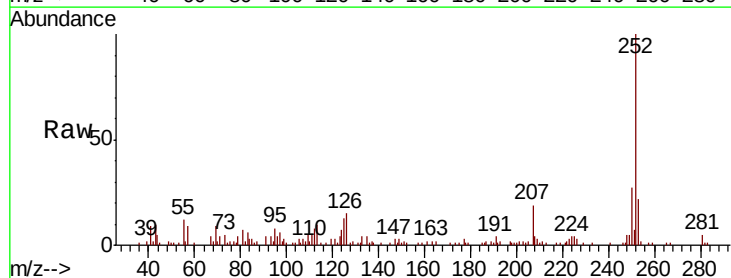
RT: 15.45 min Scan# 2272

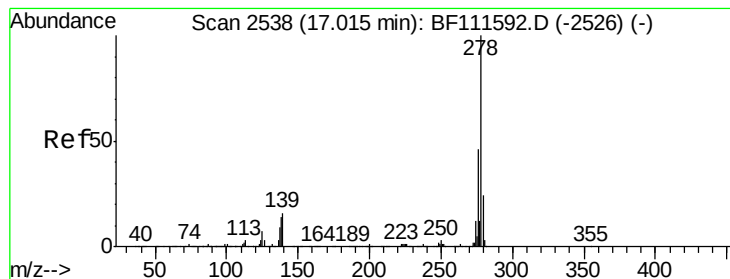
Delta R.T. -0.01 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 48299 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 22.1  | 17.8  | 26.8  |
| 125       | 12.6  | 12.3  | 18.5  |





#91

Dibenzo(a,h)anthracene

Concen: 2.306 ng

RT: 17.02 min Scan# 2538

Delta R.T. -0.00 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

Instrument :

BNA\_F

ClientSampleId :

P001-SS025-1218-01MSD

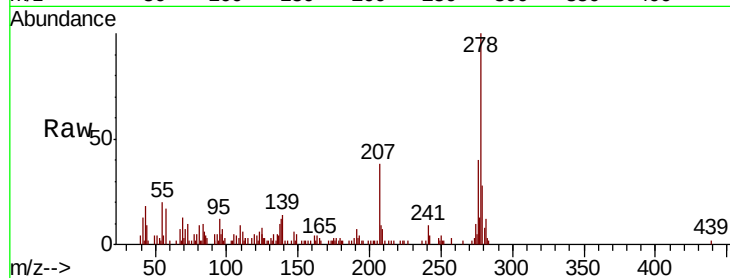
Tgt Ion:278 Resp: 37871

Ion Ratio Lower Upper

278 100

139 14.5 18.2 27.4#

279 27.8 19.0 28.6

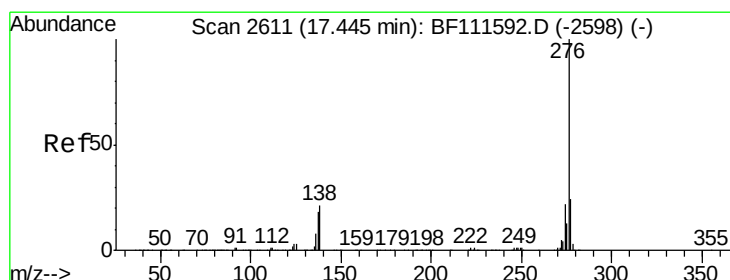
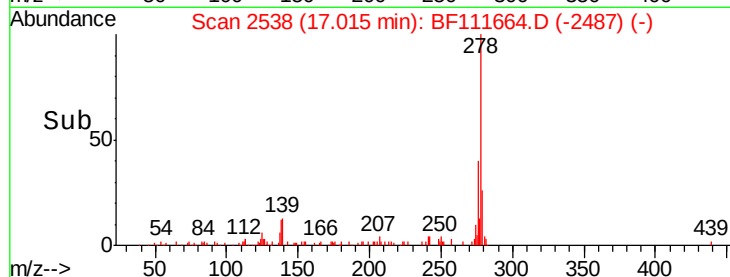
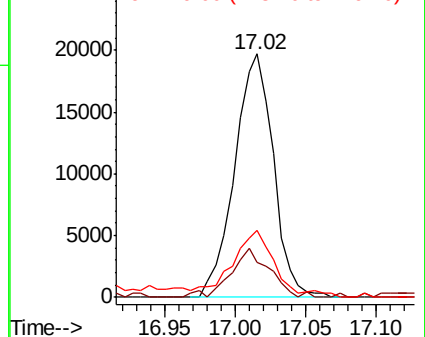


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 2.145 ng

RT: 17.44 min Scan# 2610

Delta R.T. -0.01 min

Lab File: BF111664.D

Acq: 21 Dec 2018 2:59

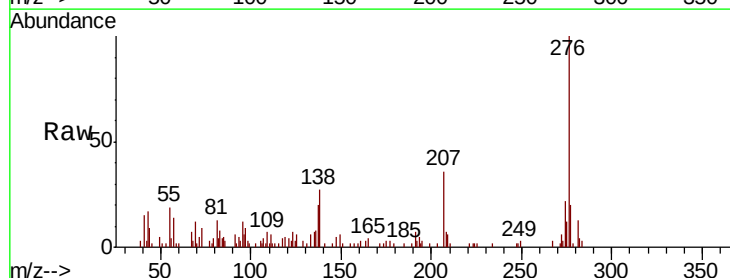
Tgt Ion:276 Resp: 34397

Ion Ratio Lower Upper

276 100

277 20.1 19.2 28.8

138 27.0 24.9 37.3



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

