

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF040620\  
 Data File : BF119809.D  
 Acq On : 7 Apr 2020 8:59  
 Operator : MA/SJ  
 Sample : L2135-06MSD  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-2E-(7-9)MSD

Quant Time: Apr 07 09:30:36 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 06 11:15:16 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.78  | 152  | 164574   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.07  | 136  | 629876   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.83  | 164  | 319061   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.32 | 188  | 611523   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.96 | 240  | 444667   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.40 | 264  | 457537   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |      |
|-----------------------------|-------|-----|---------|--------|----|------|
| System Monitoring Compounds |       |     |         |        |    |      |
| 5) 2-Fluorophenol           | 5.40  | 112 | 1342728 | 129.88 | ng | 0.01 |
| 7) Phenol-d6                | 6.42  | 99  | 1736579 | 131.50 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.35  | 82  | 1059688 | 91.43  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol    | 10.62 | 330 | 483752  | 146.96 | ng | 0.00 |
| 45) 2-Fluorobiphenyl        | 9.15  | 172 | 1950072 | 90.55  | ng | 0.00 |
| 79) Terphenyl-d14           | 12.90 | 244 | 2051638 | 90.40  | ng | 0.00 |

|                                |      |     |         |       |    |        |
|--------------------------------|------|-----|---------|-------|----|--------|
| Target Compounds               |      |     |         |       |    | Qvalue |
| 2) 1,4-Dioxane                 | 2.55 | 88  | 220000  | 43.09 | ng | 99     |
| 3) Pyridine                    | 3.26 | 79  | 586360  | 41.68 | ng | 95     |
| 4) n-Nitrosodimethylamine      | 3.22 | 42  | 314581  | 45.86 | ng | 95     |
| 6) Aniline                     | 6.45 | 93  | 447014  | 24.53 | ng | 95     |
| 8) 2-Chlorophenol              | 6.57 | 128 | 627013  | 57.75 | ng | 99     |
| 9) Benzaldehyde                | 6.33 | 77  | 317780  | 37.93 | ng | 98     |
| 10) Phenol                     | 6.43 | 94  | 775142  | 55.01 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 6.52 | 93  | 587975  | 52.17 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 6.72 | 146 | 635459  | 54.07 | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 6.80 | 146 | 639745  | 54.43 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 6.96 | 146 | 598962  | 54.52 | ng | 99     |
| 15) Benzyl Alcohol             | 6.93 | 79  | 511445  | 51.48 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 7.06 | 45  | 1043635 | 45.91 | ng | 98     |
| 17) 2-Methylphenol             | 7.05 | 107 | 495990  | 49.86 | ng | 99     |
| 18) Hexachloroethane           | 7.30 | 117 | 240555  | 55.84 | ng | 98     |
| 19) n-Nitroso-di-n-propylamine | 7.20 | 70  | 414175  | 52.03 | ng | 98     |
| 20) 3+4-Methylphenols          | 7.20 | 107 | 608027  | 49.87 | ng | # 78   |
| 22) Acetophenone               | 7.19 | 105 | 798866  | 53.08 | ng | # 89   |
| 24) Nitrobenzene               | 7.37 | 77  | 637514  | 51.47 | ng | 98     |
| 25) Isophorone                 | 7.61 | 82  | 1165374 | 49.57 | ng | 98     |
| 26) 2-Nitrophenol              | 7.69 | 139 | 334550  | 68.60 | ng | 89     |
| 27) 2,4-Dimethylphenol         | 7.73 | 122 | 516505  | 51.22 | ng | 98     |
| 28) bis(2-Chloroethoxy)methane | 7.82 | 93  | 733721  | 52.78 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 7.93 | 162 | 507841  | 54.81 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 8.01 | 180 | 545903  | 53.28 | ng | 96     |
| 31) Naphthalene                | 8.09 | 128 | 1747335 | 53.91 | ng | 99     |
| 32) Benzoic acid               | 7.86 | 122 | 397088  | 61.22 | ng | 99     |
| 33) 4-Chloroaniline            | 8.14 | 127 | 155436  | 10.47 | ng | 98     |
| 34) Hexachlorobutadiene        | 8.21 | 225 | 311103  | 54.26 | ng | 98     |
| 35) Caprolactam                | 8.52 | 113 | 96059   | 31.68 | ng | 96     |
| 36) 4-Chloro-3-methylphenol    | 8.63 | 107 | 540988  | 53.42 | ng | 99     |
| 37) 2-Methylnaphthalene        | 8.79 | 142 | 1163009 | 54.67 | ng | 98     |
| 38) 1-Methylnaphthalene        | 8.89 | 142 | 1093630 | 54.31 | ng | 100    |
| 40) 1,2,4,5-Tetrachlorobenzene | 8.95 | 216 | 511937  | 54.74 | ng | 100    |

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 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

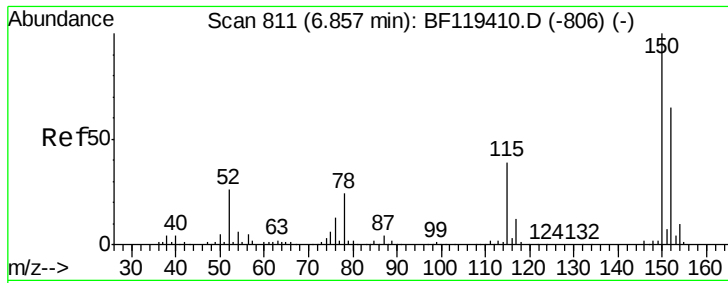
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-2E-(7-9)MSD

Quant Time: Apr 07 09:30:36 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 06 11:15:16 2020  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 8.94  | 237  | 508286   | 95.60  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol      | 9.06  | 196  | 374173   | 55.91  | ng    | 100      |
| 44) 2,4,5-Trichlorophenol      | 9.10  | 196  | 389141   | 51.91  | ng    | 98       |
| 46) 1,1'-Biphenyl              | 9.25  | 154  | 1397103  | 53.76  | ng    | 99       |
| 47) 2-Chloronaphthalene        | 9.27  | 162  | 1080152  | 53.07  | ng    | 100      |
| 48) 2-Nitroaniline             | 9.37  | 65   | 382778   | 54.48  | ng    | 90       |
| 49) Acenaphthylene             | 9.69  | 152  | 1694153  | 53.00  | ng    | 98       |
| 50) Dimethylphthalate          | 9.56  | 163  | 1466386  | 64.70  | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.62  | 165  | 280610   | 57.77  | ng    | 94       |
| 52) Acenaphthene               | 9.86  | 154  | 1040038  | 52.19  | ng    | 99       |
| 53) 3-Nitroaniline             | 9.78  | 138  | 110270   | 17.98  | ng    | 96       |
| 54) 2,4-Dinitrophenol          | 9.89  | 184  | 241013   | 111.51 | ng    | 95       |
| 55) Dibenzofuran               | 10.04 | 168  | 1513876  | 52.99  | ng    | 99       |
| 56) 4-Nitrophenol              | 9.96  | 139  | 486436   | 100.55 | ng    | 90       |
| 57) 2,4-Dinitrotoluene         | 10.02 | 165  | 376935   | 61.60  | ng    | 94       |
| 58) Fluorene                   | 10.38 | 166  | 1162635  | 55.03  | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 10.16 | 232  | 318355   | 56.81  | ng    | 99       |
| 60) Diethylphthalate           | 10.26 | 149  | 1256513  | 54.63  | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 10.37 | 204  | 551894   | 53.42  | ng    | 98       |
| 62) 4-Nitroaniline             | 10.40 | 138  | 266946   | 45.39  | ng    | 100      |
| 63) Azobenzene                 | 10.53 | 77   | 1188344  | 51.30  | ng    | 98       |
| 65) 4,6-Dinitro-2-methylphenol | 10.43 | 198  | 175784   | 68.55  | ng    | 90       |
| 66) n-Nitrosodiphenylamine     | 10.49 | 169  | 1056545  | 52.63  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 10.86 | 248  | 362131   | 52.00  | ng    | 96       |
| 68) Hexachlorobenzene          | 10.93 | 284  | 392986   | 55.13  | ng    | 97       |
| 69) Atrazine                   | 11.02 | 200  | 312042   | 56.70  | ng    | 99       |
| 70) Pentachlorophenol          | 11.12 | 266  | 429376   | 102.73 | ng    | 96       |
| 71) Phenanthrene               | 11.35 | 178  | 1662918  | 52.44  | ng    | 98       |
| 72) Anthracene                 | 11.39 | 178  | 1731549  | 53.73  | ng    | 99       |
| 73) Carbazole                  | 11.55 | 167  | 1582443  | 49.61  | ng    | 99       |
| 74) Di-n-butylphthalate        | 11.89 | 149  | 1942149  | 56.92  | ng    | 99       |
| 75) Fluoranthene               | 12.53 | 202  | 1806129  | 52.63  | ng    | 97       |
| 77) Benzidine                  | 12.65 | 184  | 682909   | 36.29  | ng    | 98       |
| 78) Pyrene                     | 12.76 | 202  | 1838500  | 50.38  | ng    | 97       |
| 80) Butylbenzylphthalate       | 13.38 | 149  | 820166   | 55.57  | ng    | 96       |
| 81) Benzo(a)anthracene         | 13.95 | 228  | 1493983  | 51.67  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine     | 13.91 | 252  | 360673   | 31.63  | ng    | 98       |
| 83) Chrysene                   | 13.99 | 228  | 1512494  | 50.68  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 13.95 | 149  | 1057064  | 60.08  | ng    | 99       |
| 85) Di-n-octyl phthalate       | 14.56 | 149  | 1944382  | 62.83  | ng    | 98       |
| 86) Indeno(1,2,3-cd)pyrene     | 16.84 | 276  | 1636598  | 58.23  | ng    | 99       |
| 88) Benzo(b)fluoranthene       | 14.99 | 252  | 1707840  | 55.88  | ng    | 98       |
| 89) Benzo(k)fluoranthene       | 15.02 | 252  | 1425401  | 48.98  | ng    | 99       |
| 90) Benzo(a)pyrene             | 15.34 | 252  | 1445962  | 52.06  | ng    | 97       |
| 91) Dibenzo(a,h)anthracene     | 16.86 | 278  | 1357400  | 55.87  | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 17.27 | 276  | 1342998  | 55.03  | ng    | 98       |

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

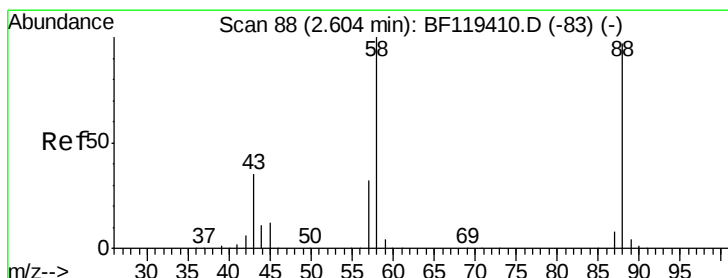
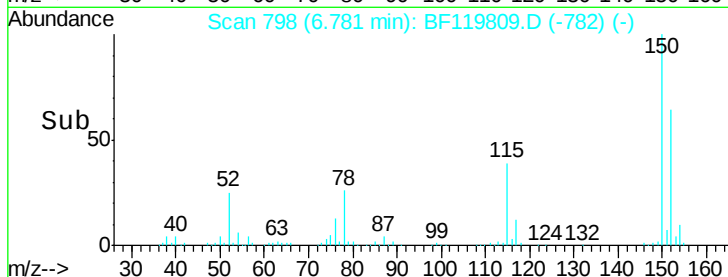
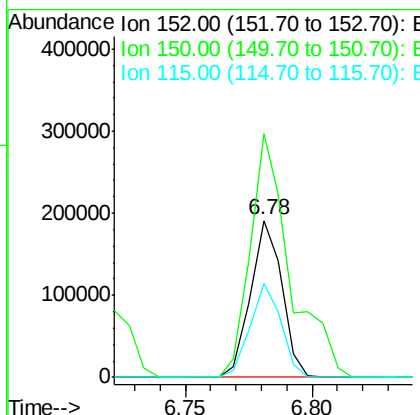
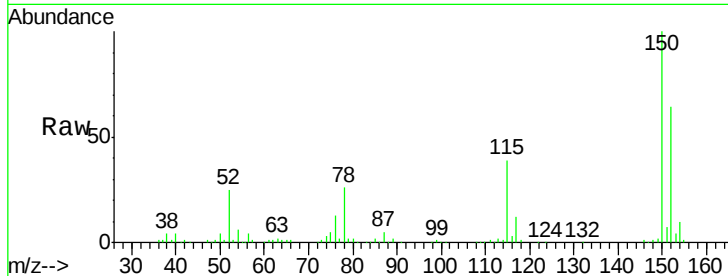




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.78 min Scan# 798  
 Delta R.T. -0.01 min  
 Lab File: BF119809.D  
 Acq: 7 Apr 2020 8:59

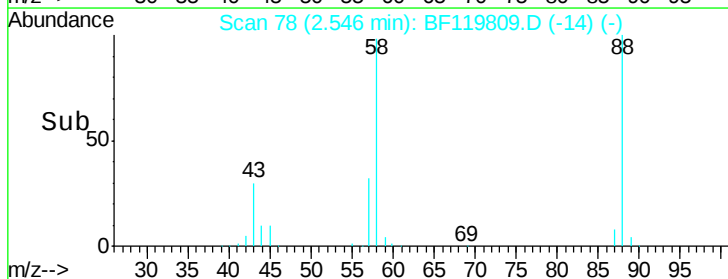
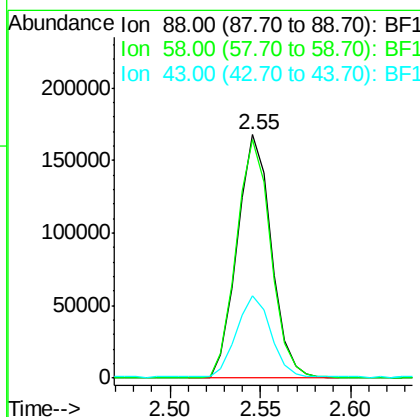
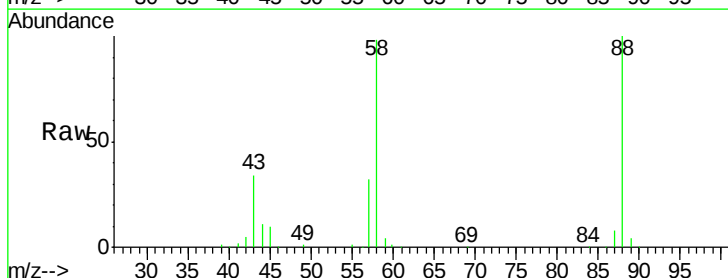
Instrument :  
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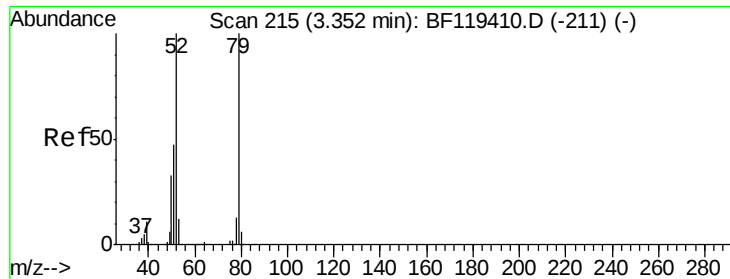
Tgt Ion: 152 Resp: 164574  
 Ion Ratio Lower Upper  
 152 100  
 150 155.3 124.5 186.7  
 115 60.0 49.6 74.4



#2  
 1,4-Dioxane  
 Concen: 43.09 ng  
 RT: 2.55 min Scan# 78  
 Delta R.T. 0.08 min  
 Lab File: BF119809.D  
 Acq: 7 Apr 2020 8:59

Tgt Ion: 88 Resp: 220000  
 Ion Ratio Lower Upper  
 88 100  
 58 99.3 80.6 121.0  
 43 34.3 27.5 41.3





#3

Pyridine

Concen: 41.68 ng

RT: 3.26 min Scan# 200

Delta R.T. 0.07 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA\_F

ClientSampleId :

SB-2E-(7-9)MSD

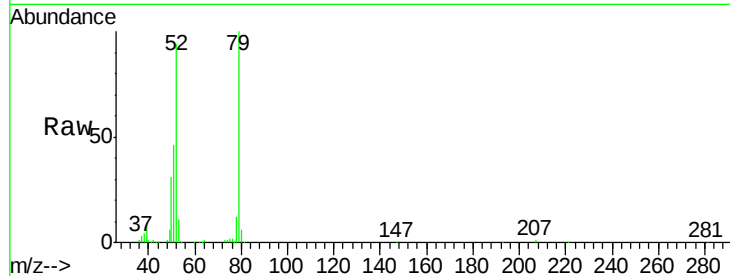
Tgt Ion: 79 Resp: 586360

Ion Ratio Lower Upper

79 100

52 94.1 80.2 120.2

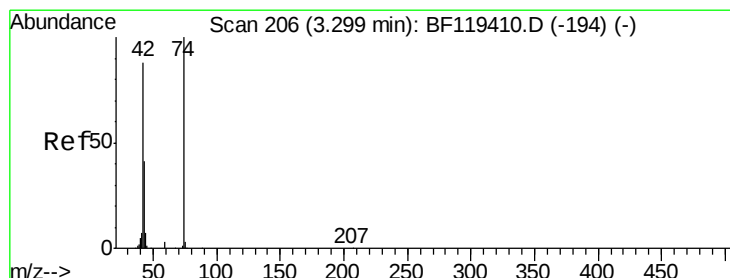
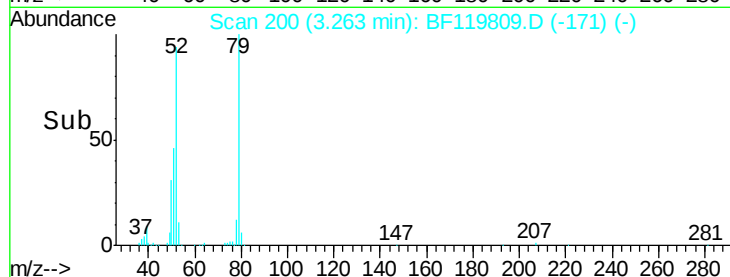
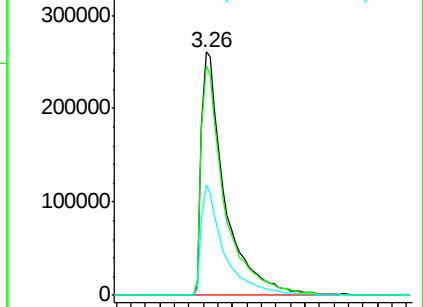
51 45.5 37.7 56.5



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 52.00 (51.70 to 52.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 45.86 ng

RT: 3.22 min Scan# 193

Delta R.T. 0.08 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

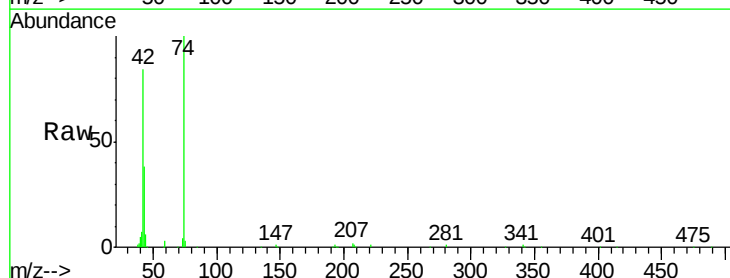
Tgt Ion: 42 Resp: 314581

Ion Ratio Lower Upper

42 100

74 119.6 91.5 137.3

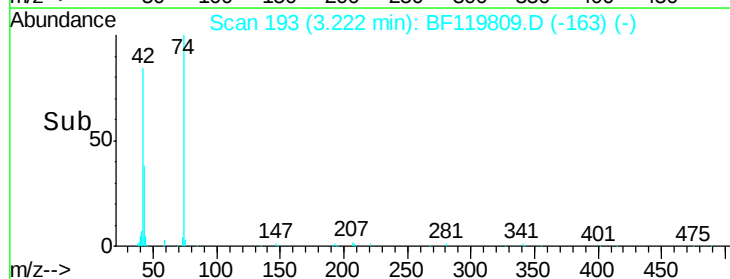
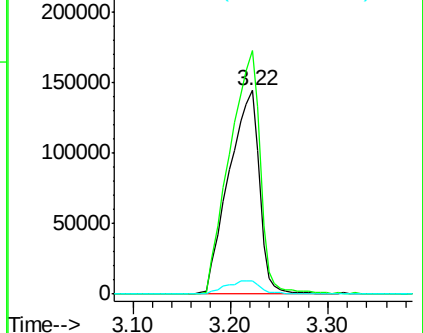
44 6.7 6.2 9.4

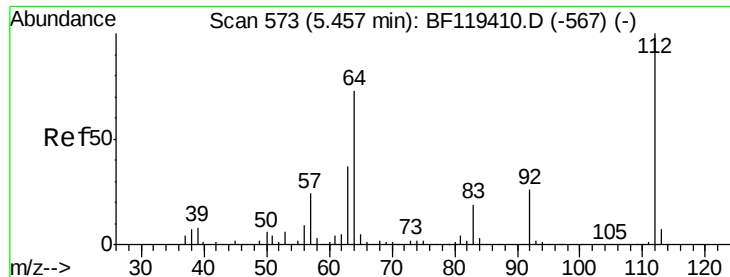


Abundance Ion 42.00 (41.70 to 42.70): BF1

Ion 74.00 (73.70 to 74.70): BF1

Ion 44.00 (43.70 to 44.70): BF1





#5

2-Fluorophenol

Concen: 129.88 ng

RT: 5.40 min Scan# 563

Delta R.T. 0.01 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA\_F

ClientSampleId :

SB-2E-(7-9)MSD

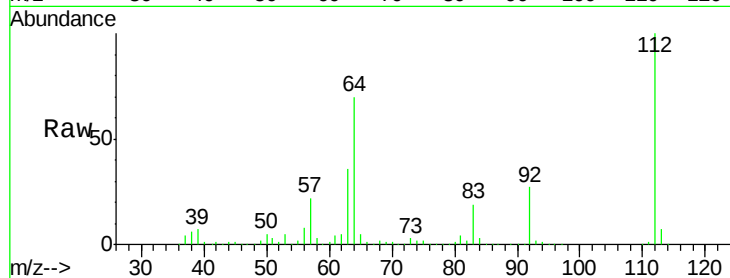
Tgt Ion: 112 Resp: 1342728

Ion Ratio Lower Upper

112 100

64 70.1 56.7 85.1

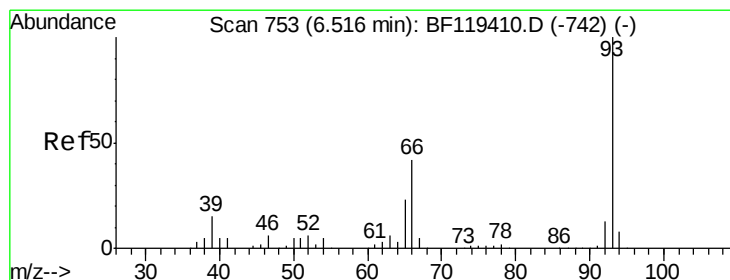
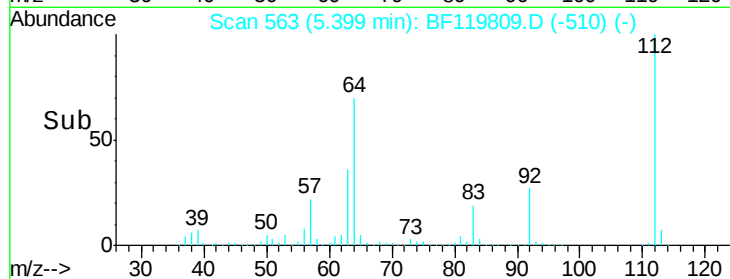
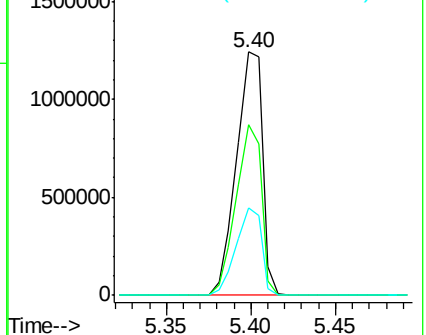
63 36.0 29.5 44.3



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 24.53 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

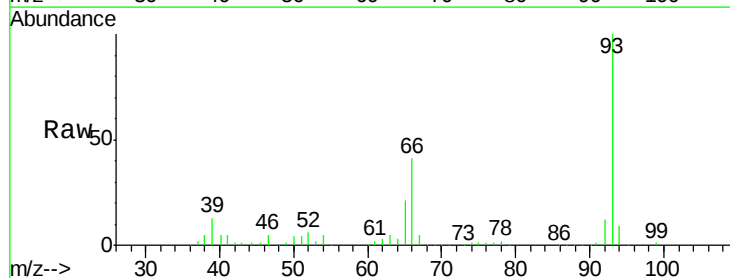
Tgt Ion: 93 Resp: 447014

Ion Ratio Lower Upper

93 100

66 40.6 34.9 52.3

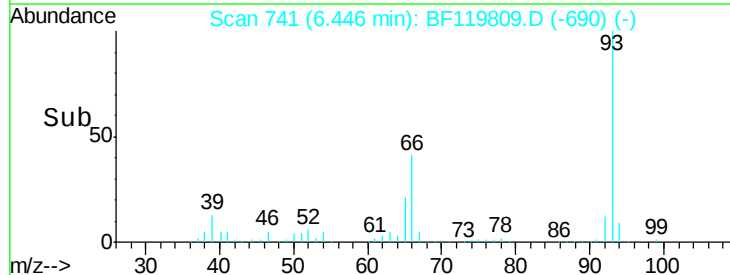
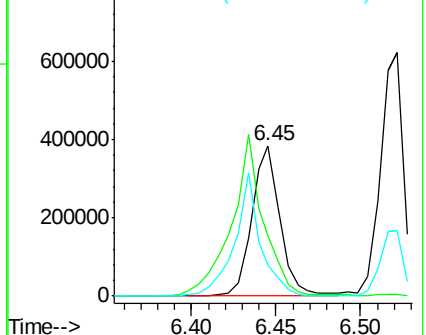
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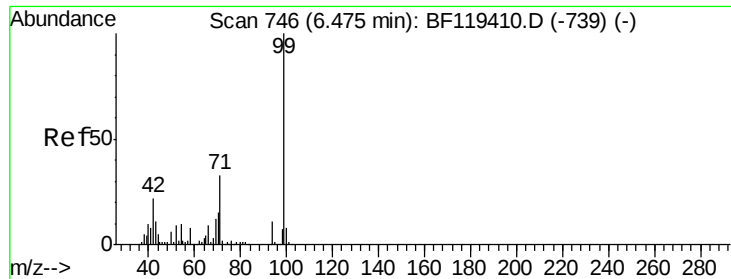


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 131.50 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.01 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA\_F

ClientSampleId :

SB-2E-(7-9)MSD

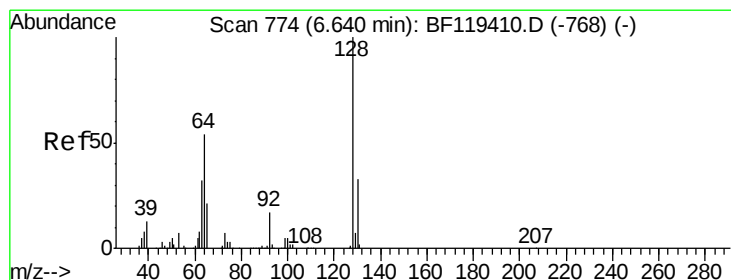
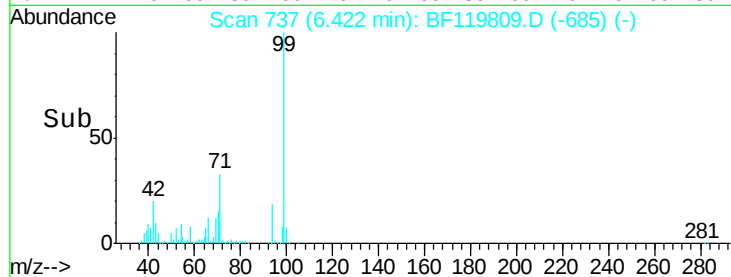
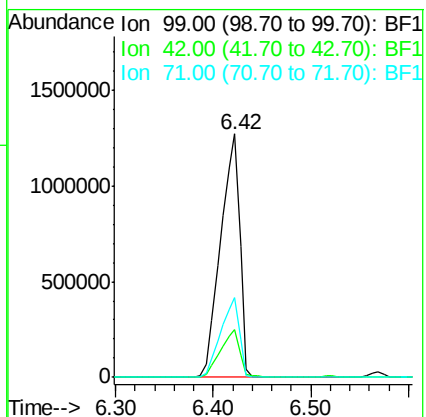
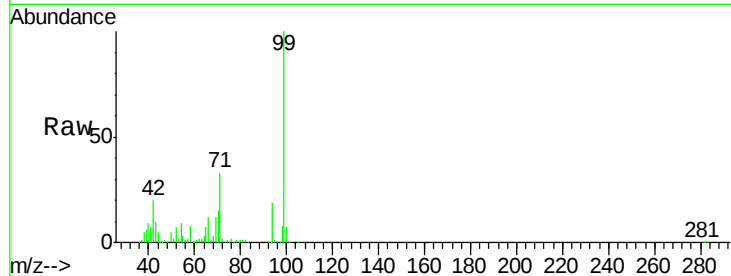
Tgt Ion: 99 Resp: 1736579

Ion Ratio Lower Upper

99 100

42 19.8 16.6 24.8

71 32.6 26.4 39.6



#8

2-Chlorophenol

Concen: 57.75 ng

RT: 6.57 min Scan# 762

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

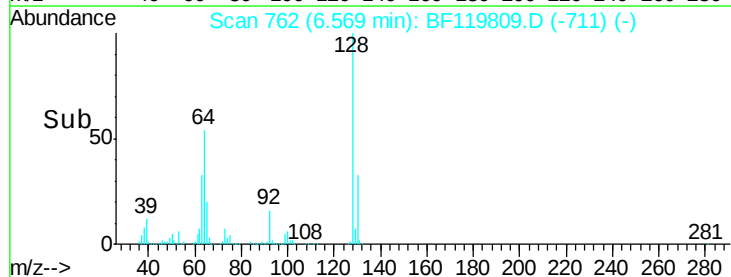
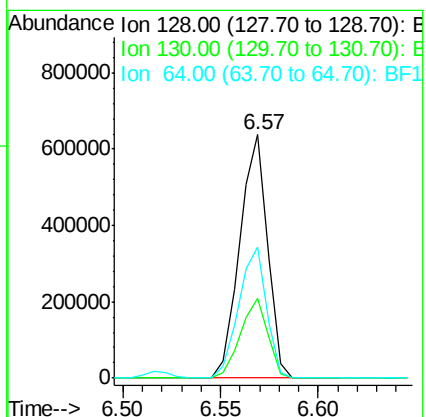
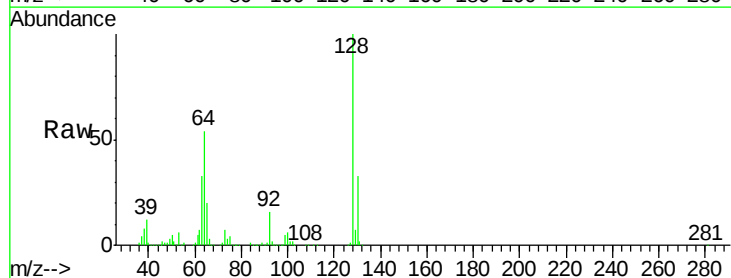
Tgt Ion: 128 Resp: 627013

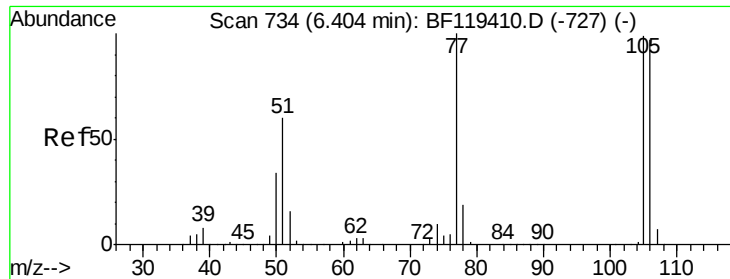
Ion Ratio Lower Upper

128 100

130 32.7 12.6 52.6

64 53.7 35.3 75.3

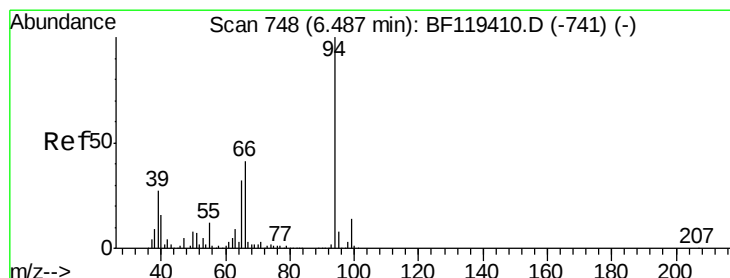
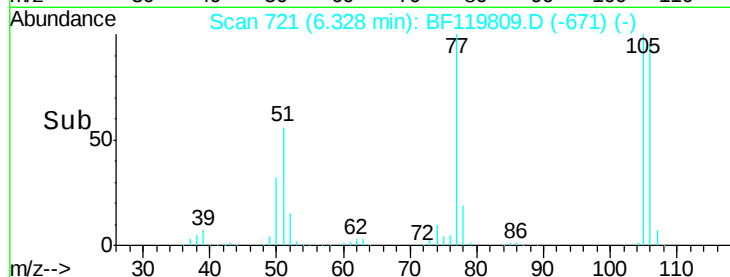
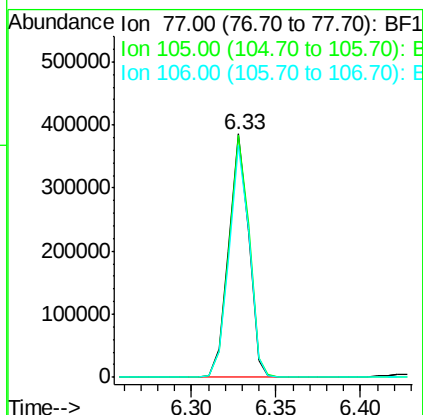
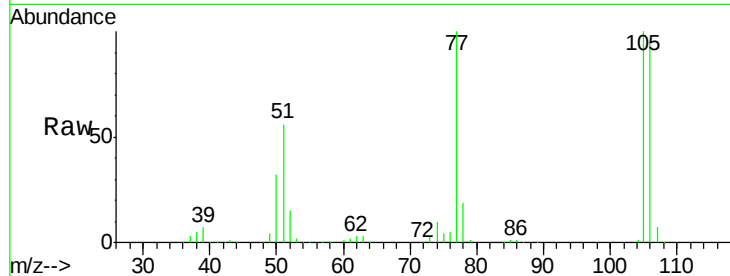




#9  
Benzaldehyde  
Concen: 37.93 ng  
RT: 6.33 min Scan# 721  
Delta R.T. -0.01 min  
Lab File: BF119809.D  
Acq: 7 Apr 2020 8:59

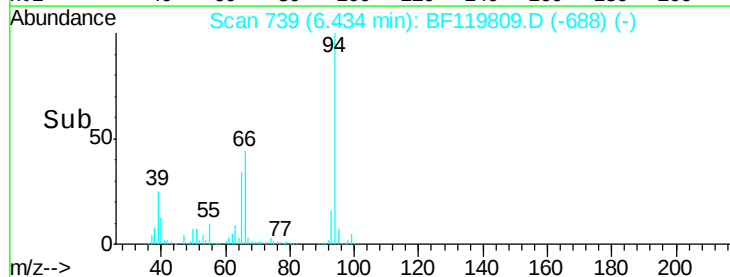
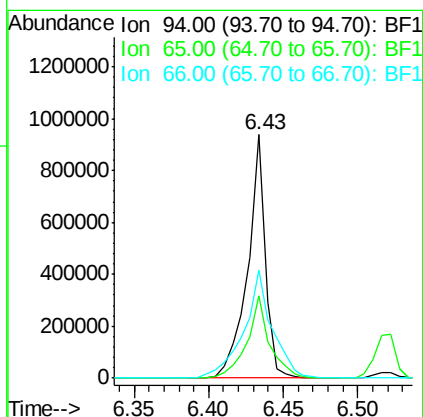
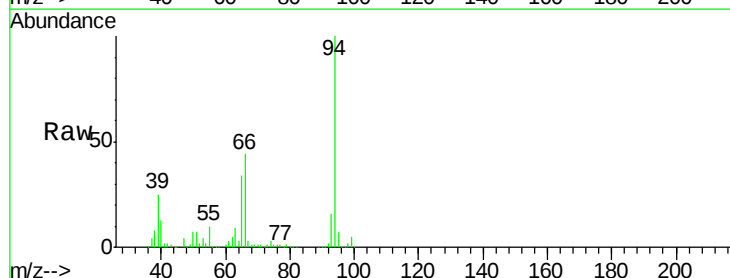
Instrument :  
BNA\_F  
ClientSampleId :  
SB-2E-(7-9)MSD

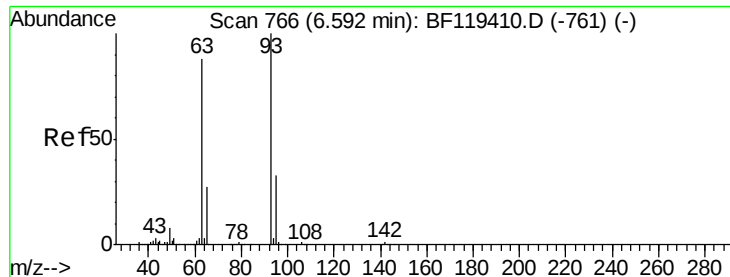
Tgt Ion: 77 Resp: 317780  
Ion Ratio Lower Upper  
77 100  
105 99.7 80.9 120.9  
106 95.3 77.9 117.9



#10  
Phenol  
Concen: 55.01 ng  
RT: 6.43 min Scan# 739  
Delta R.T. 0.00 min  
Lab File: BF119809.D  
Acq: 7 Apr 2020 8:59

Tgt Ion: 94 Resp: 775142  
Ion Ratio Lower Upper  
94 100  
65 33.7 13.2 53.2  
66 44.2 22.3 62.3

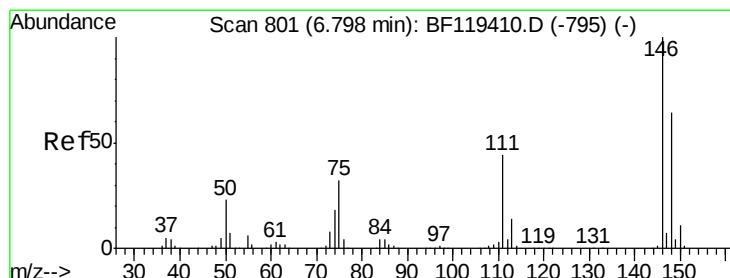
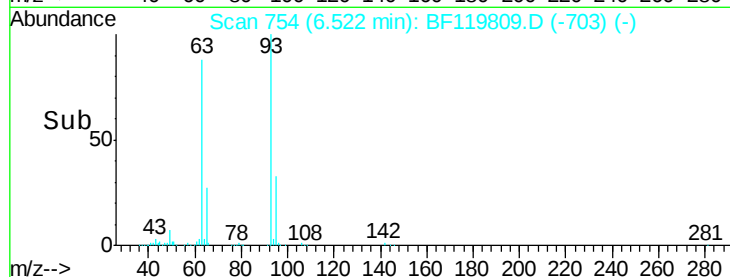
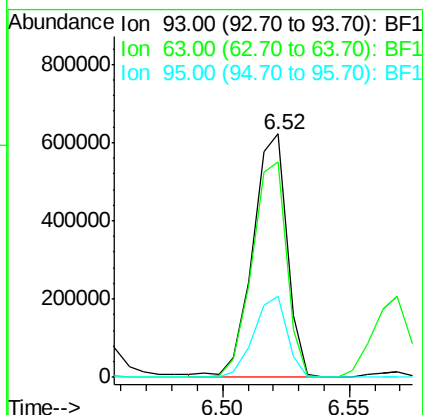
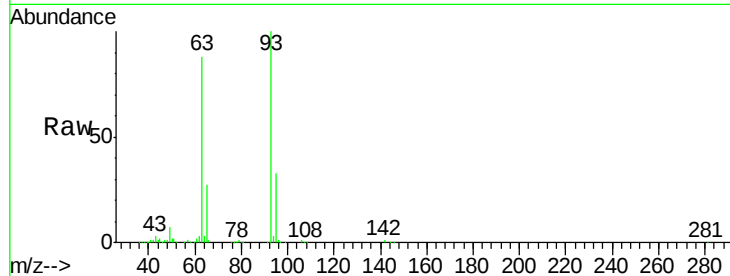




#11  
bis(2-Chloroethyl)ether  
Concen: 52.17 ng  
RT: 6.52 min Scan# 754  
Delta R.T. 0.00 min  
Lab File: BF119809.D  
Acq: 7 Apr 2020 8:59

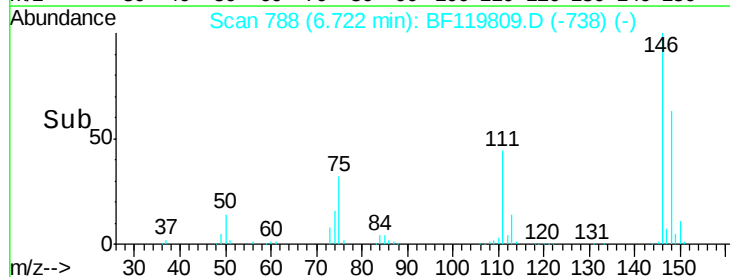
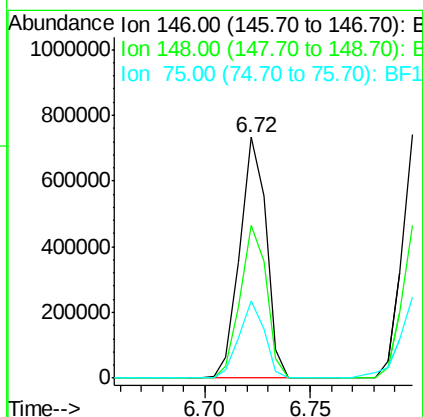
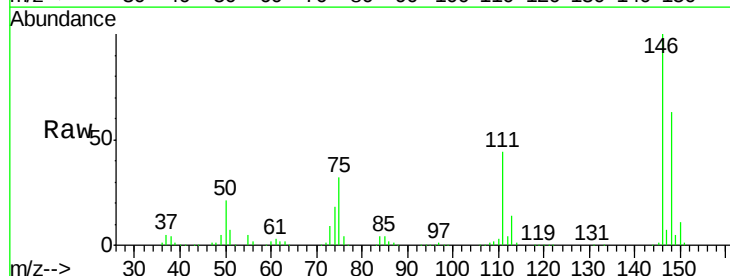
Instrument :  
BNA\_F  
ClientSampleId :  
SB-2E-(7-9)MSD

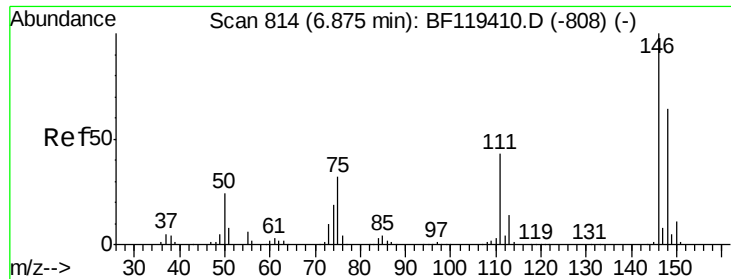
Tgt Ion: 93 Resp: 587975  
Ion Ratio Lower Upper  
93 100  
63 88.3 70.2 110.2  
95 33.3 13.4 53.4



#12  
1,3-Dichlorobenzene  
Concen: 54.07 ng  
RT: 6.72 min Scan# 788  
Delta R.T. -0.01 min  
Lab File: BF119809.D  
Acq: 7 Apr 2020 8:59

Tgt Ion: 146 Resp: 635459  
Ion Ratio Lower Upper  
146 100  
148 63.3 52.2 78.4  
75 32.2 23.0 34.4

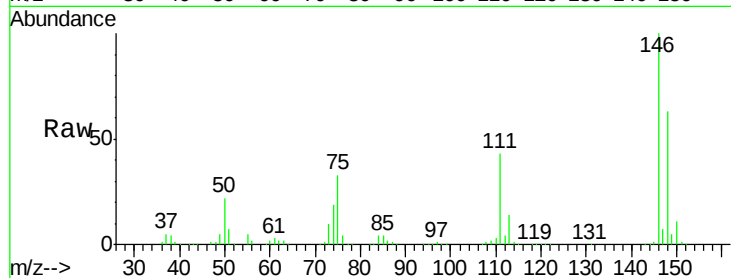




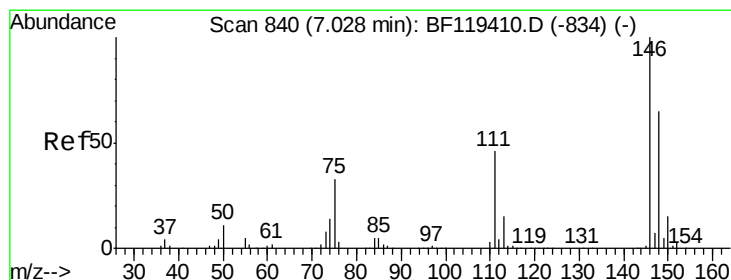
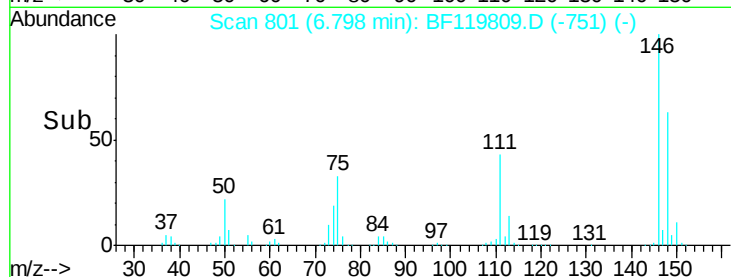
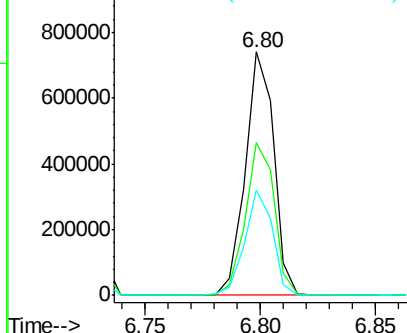
#13  
 1,4-Dichlorobenzene  
 Concen: 54.43 ng  
 RT: 6.80 min Scan# 801  
 Delta R.T. -0.01 min  
 Lab File: BF119809.D  
 Acq: 7 Apr 2020 8:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-2E-(7-9)MSD

Tgt Ion:146 Resp: 639745  
 Ion Ratio Lower Upper  
 146 100  
 148 62.8 51.5 77.3  
 111 43.1 33.3 49.9

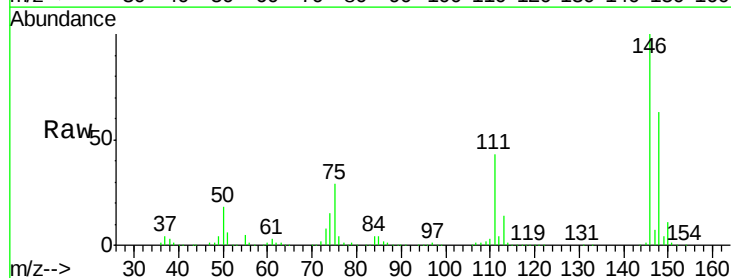


Abundance Ion 146.00 (145.70 to 146.70): E  
 Ion 148.00 (147.70 to 148.70): E  
 Ion 111.00 (110.70 to 111.70): E

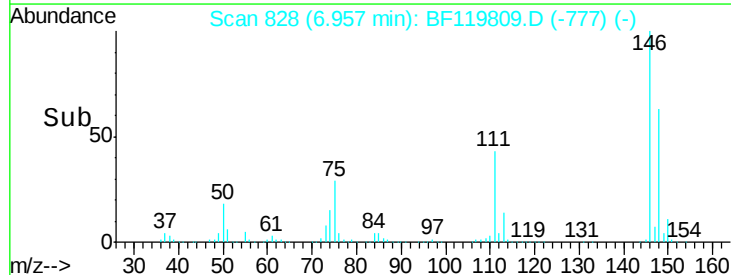
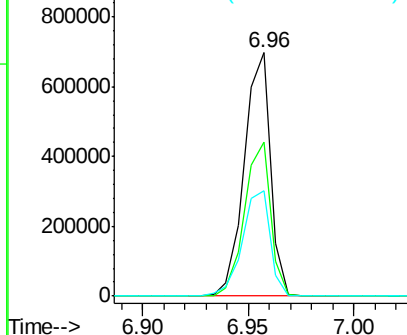


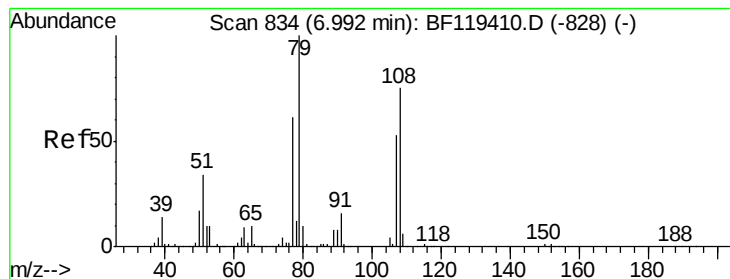
#14  
 1,2-Dichlorobenzene  
 Concen: 54.52 ng  
 RT: 6.96 min Scan# 828  
 Delta R.T. 0.00 min  
 Lab File: BF119809.D  
 Acq: 7 Apr 2020 8:59

Tgt Ion:146 Resp: 598962  
 Ion Ratio Lower Upper  
 146 100  
 148 63.4 50.6 75.8  
 111 43.4 36.1 54.1



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





#15

Benzyl Alcohol

Concen: 51.48 ng

RT: 6.93 min Scan# 823

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA\_F

ClientSampleId :

SB-2E-(7-9)MSD

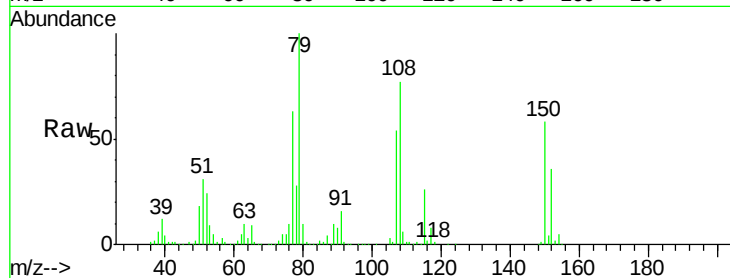
Tgt Ion: 79 Resp: 511445

Ion Ratio Lower Upper

79 100

108 77.3 60.6 90.8

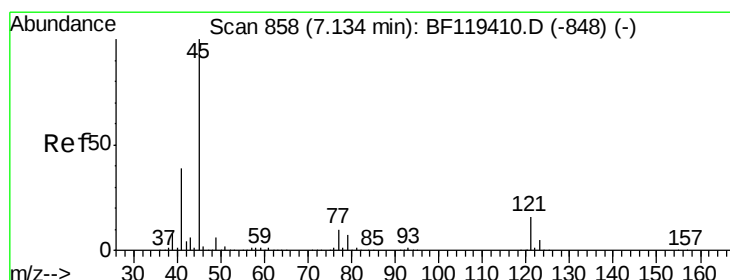
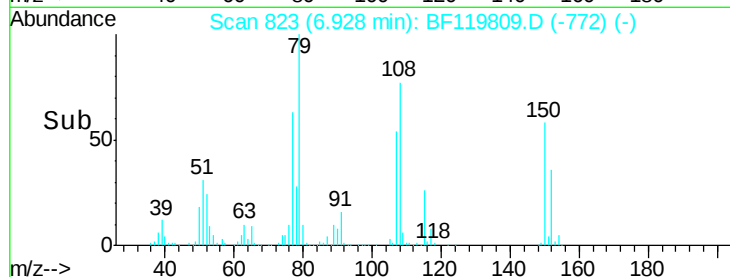
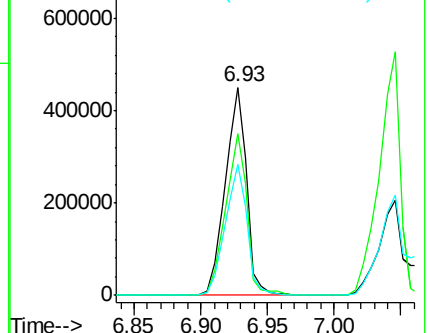
77 63.0 50.2 75.2



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#16

2,2'-oxybis(1-Chloropropane)

Concen: 45.91 ng

RT: 7.06 min Scan# 846

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

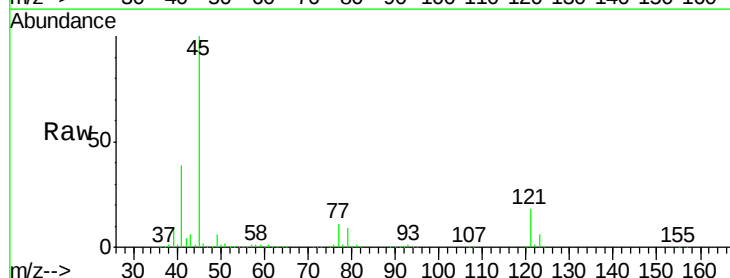
Tgt Ion: 45 Resp: 1043635

Ion Ratio Lower Upper

45 100

77 11.4 0.0 30.7

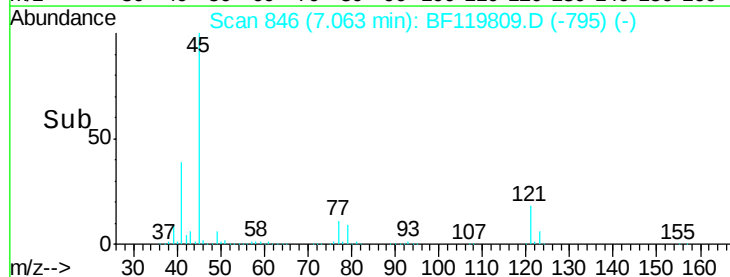
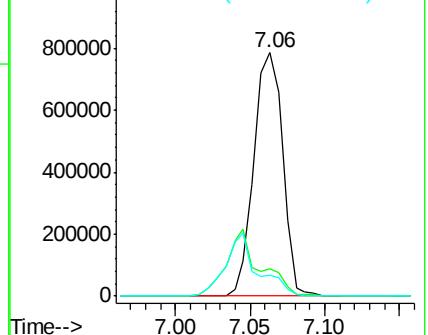
79 8.6 0.0 28.2

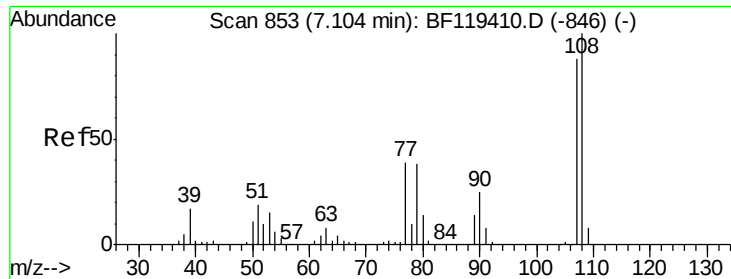


Abundance Ion 45.00 (44.70 to 45.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1

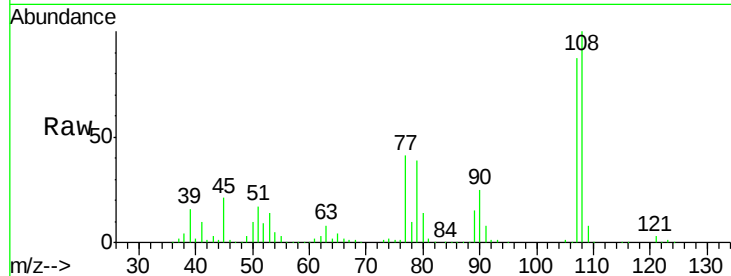




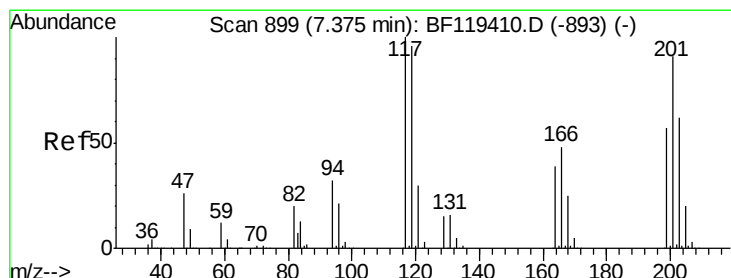
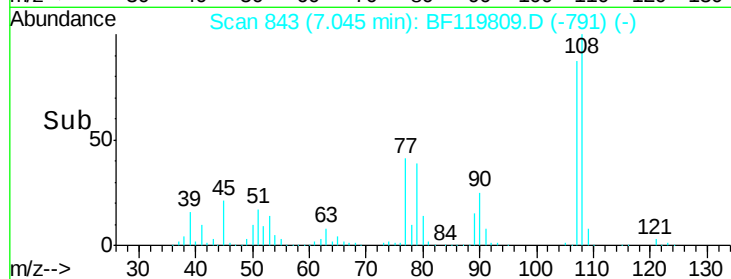
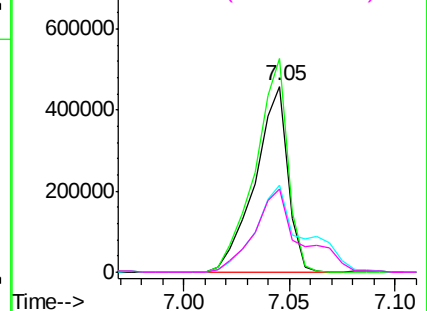
#17  
2-Methylphenol  
Concen: 49.86 ng  
RT: 7.05 min Scan# 843  
Delta R.T. 0.01 min  
Lab File: BF119809.D  
Acq: 7 Apr 2020 8:59

Instrument :  
BNA\_F  
ClientSampleId :  
SB-2E-(7-9)MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 495990 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 115.0 | 92.2  | 138.4  |
| 77       | 47.1  | 36.6  | 54.8   |
| 79       | 44.9  | 36.2  | 54.4   |

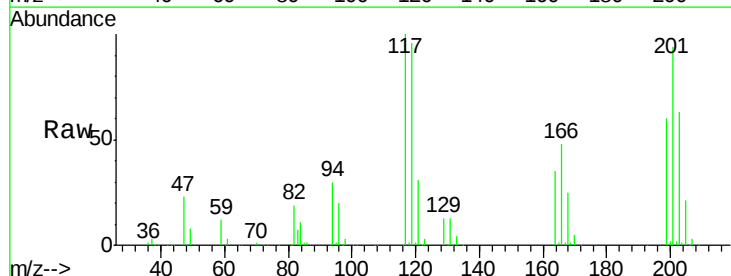


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1

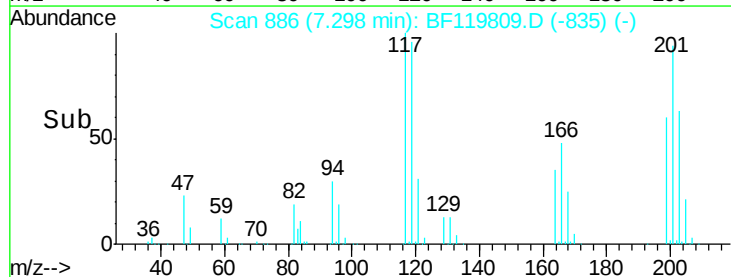
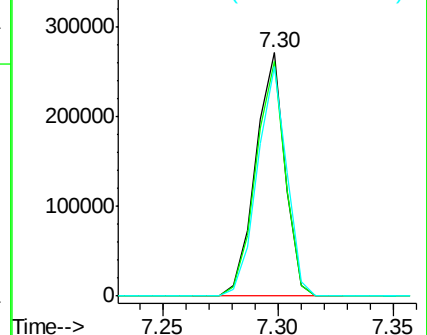


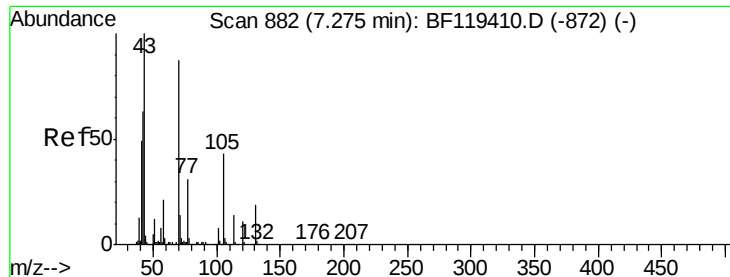
#18  
Hexachloroethane  
Concen: 55.84 ng  
RT: 7.30 min Scan# 886  
Delta R.T. 0.00 min  
Lab File: BF119809.D  
Acq: 7 Apr 2020 8:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 240555 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 96.3  | 76.1  | 114.1  |
| 201      | 94.5  | 73.0  | 109.6  |



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

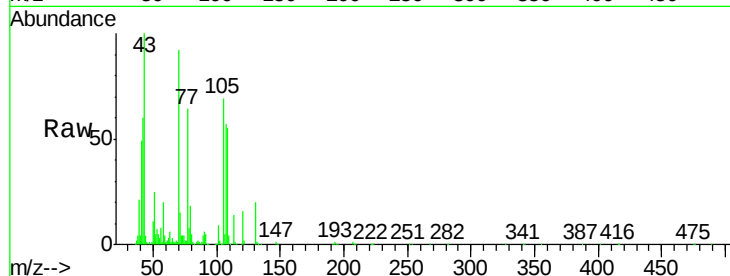




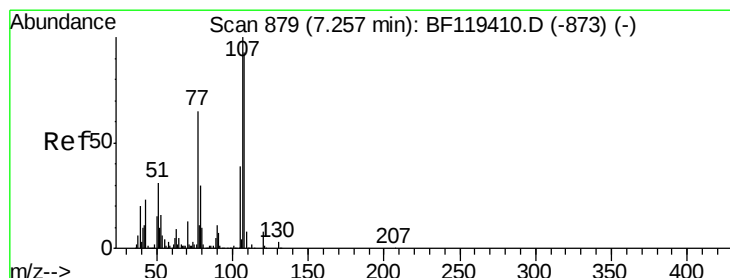
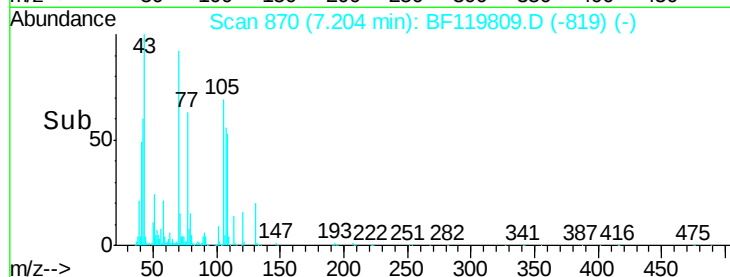
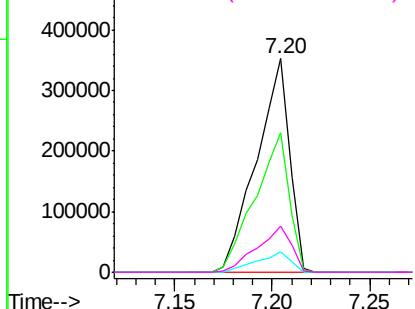
#19  
n-Nitroso-di-n-propylamine  
Concen: 52.03 ng  
RT: 7.20 min Scan# 870  
Delta R.T. 0.00 min  
Lab File: BF119809.D  
Acq: 7 Apr 2020 8:59

Instrument :  
BNA\_F  
ClientSampleId :  
SB-2E-(7-9)MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 414175 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 65.5  | 54.5  | 81.7   |
| 101      | 9.9   | 7.6   | 11.4   |
| 130      | 21.7  | 17.6  | 26.4   |

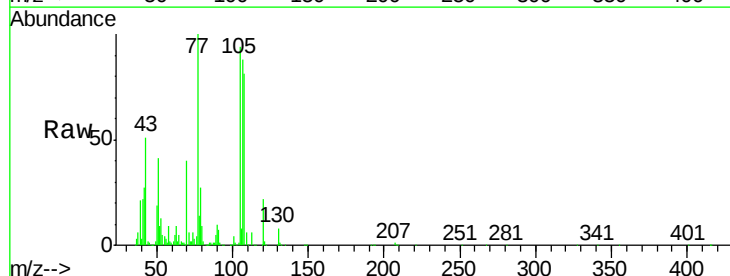


Abundance Ion 70.00 (69.70 to 70.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 101.00 (100.70 to 101.70): E  
Ion 130.00 (129.70 to 130.70): E

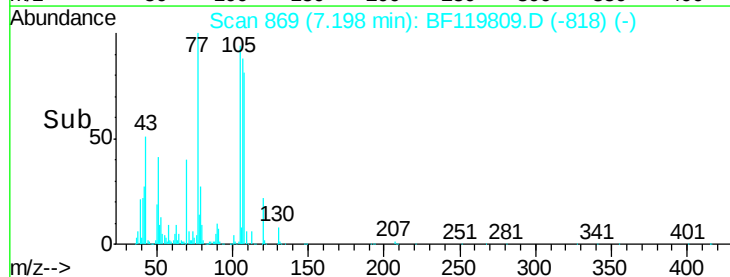
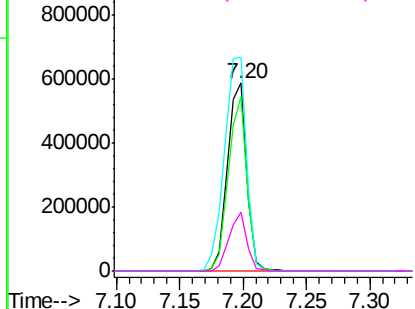


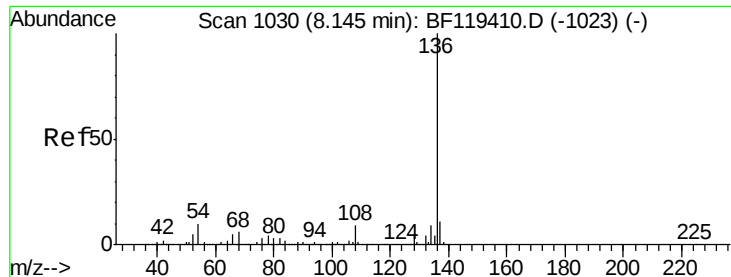
#20  
3+4-Methylphenols  
Concen: 49.87 ng  
RT: 7.20 min Scan# 869  
Delta R.T. 0.00 min  
Lab File: BF119809.D  
Acq: 7 Apr 2020 8:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 608027 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 92.5  | 67.9  | 107.9  |
| 77       | 113.7 | 52.9  | 92.9#  |
| 79       | 31.0  | 7.7   | 47.7   |



Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BF1  
Ion 79.00 (78.70 to 79.70): BF1

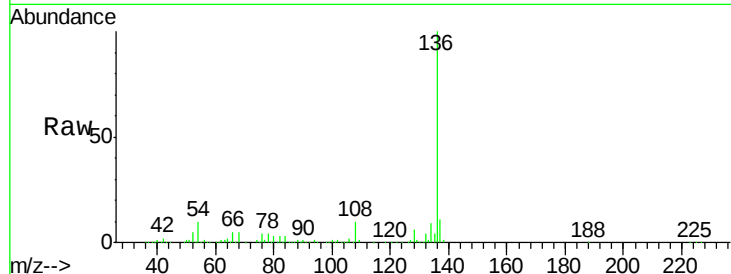




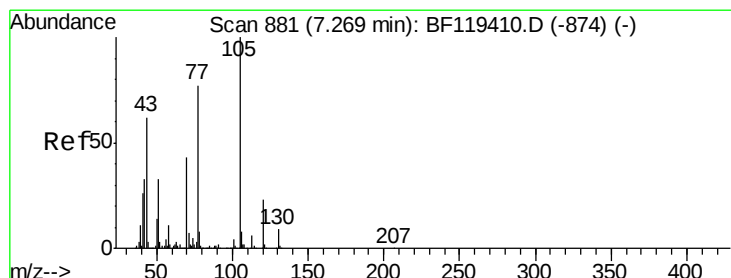
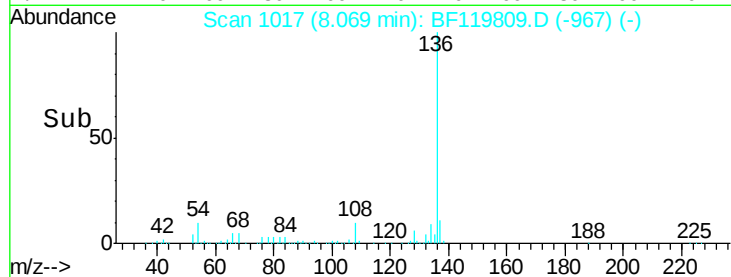
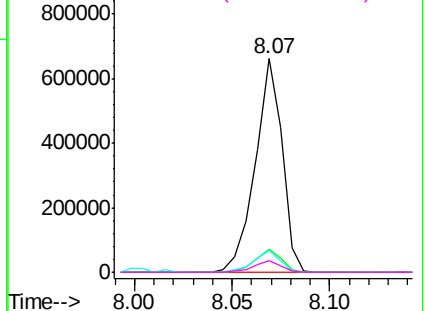
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.07 min Scan# 1017  
Delta R.T. -0.01 min  
Lab File: BF119809.D  
Acq: 7 Apr 2020 8:59

Instrument :  
BNA\_F  
ClientSampleId :  
SB-2E-(7-9)MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 629876 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 8.7   | 13.1   |
| 54       | 10.1  | 9.1   | 13.7   |
| 68       | 5.3   | 4.6   | 6.8    |

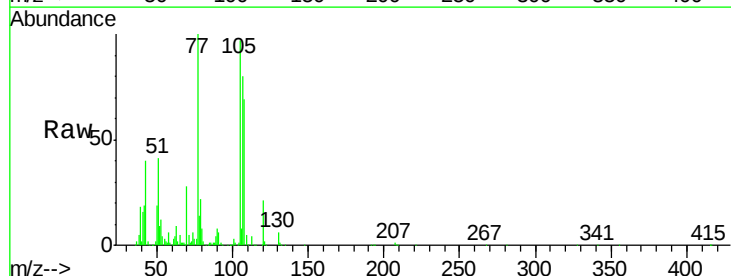


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

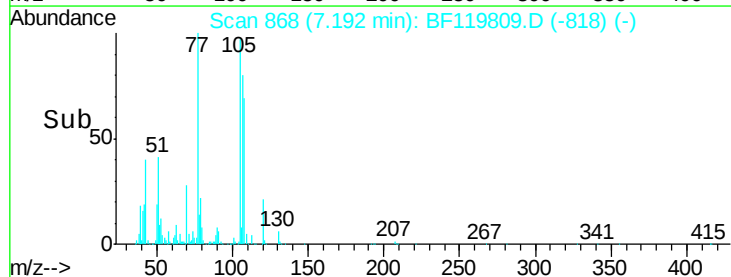
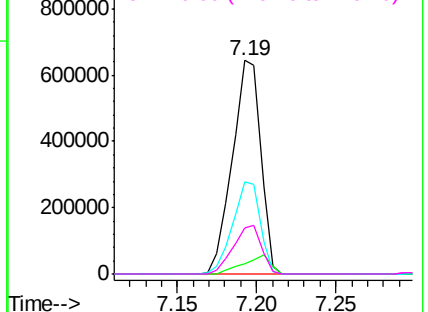


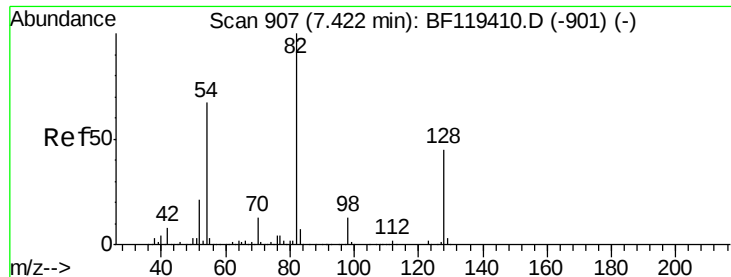
#22  
Acetophenone  
Concen: 53.08 ng  
RT: 7.19 min Scan# 868  
Delta R.T. -0.01 min  
Lab File: BF119809.D  
Acq: 7 Apr 2020 8:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 798866 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 4.7   | 5.7   | 8.5#   |
| 51       | 42.9  | 26.2  | 39.4#  |
| 120      | 21.8  | 18.3  | 27.5   |



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

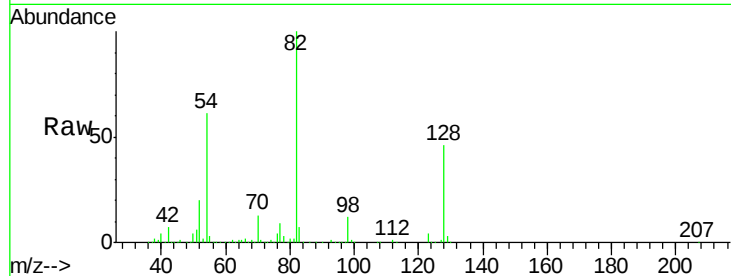




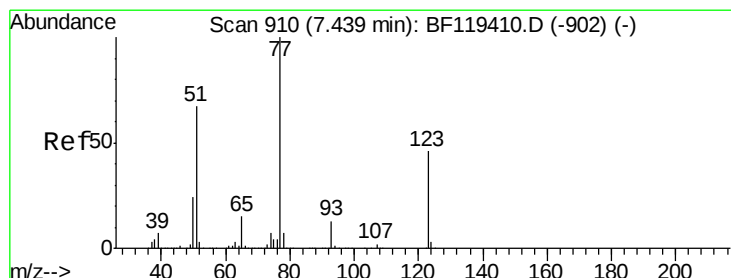
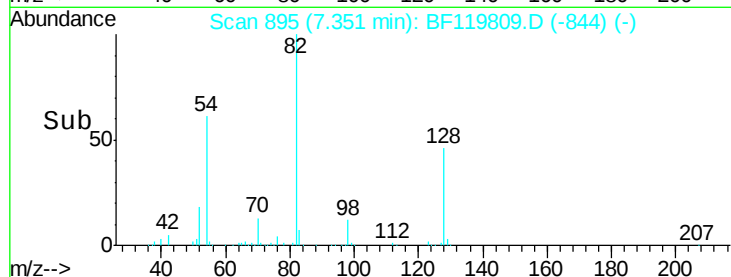
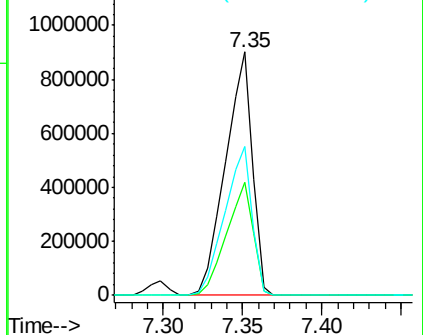
#23  
 Nitrobenzene-d5  
 Concen: 91.43 ng  
 RT: 7.35 min Scan# 895  
 Delta R.T. 0.00 min  
 Lab File: BF119809.D  
 Acq: 7 Apr 2020 8:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-2E-(7-9)MSD

Tgt Ion: 82 Resp: 1059688  
 Ion Ratio Lower Upper  
 82 100  
 128 46.3 36.3 54.5  
 54 61.3 50.6 75.8

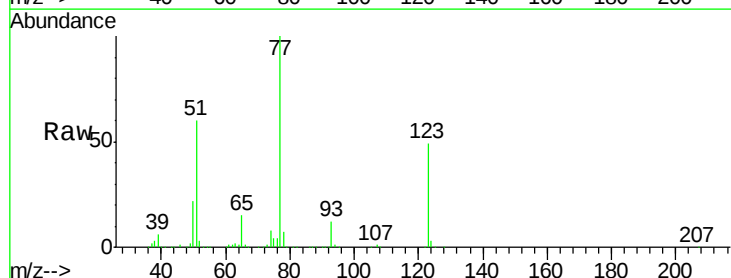


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

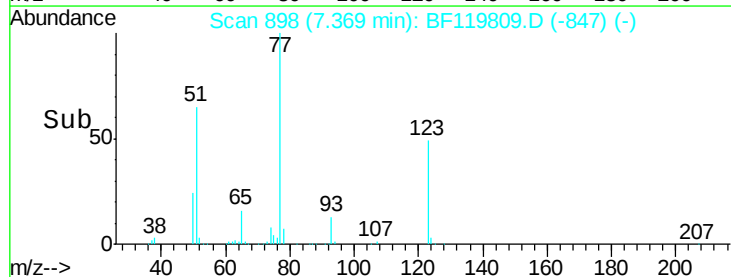
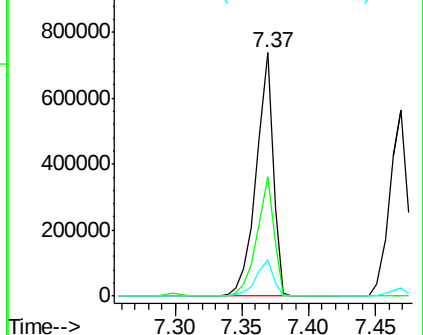


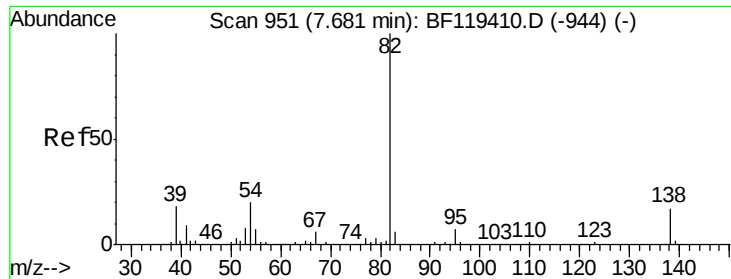
#24  
 Nitrobenzene  
 Concen: 51.47 ng  
 RT: 7.37 min Scan# 898  
 Delta R.T. 0.00 min  
 Lab File: BF119809.D  
 Acq: 7 Apr 2020 8:59

Tgt Ion: 77 Resp: 637514  
 Ion Ratio Lower Upper  
 77 100  
 123 48.9 38.0 57.0  
 65 14.8 12.6 18.8



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: 49.57 ng

RT: 7.61 min Scan# 939

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA\_F

ClientSampleId :

SB-2E-(7-9)MSD

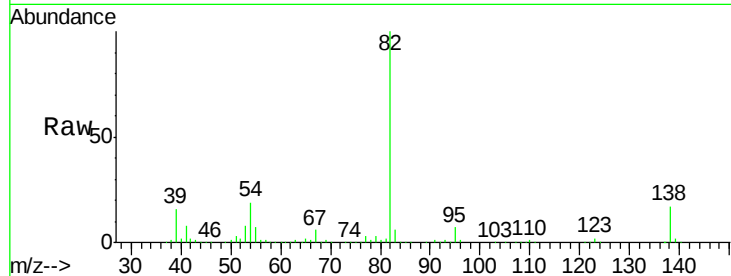
Tgt Ion: 82 Resp: 1165374

Ion Ratio Lower Upper

82 100

95 6.7 5.8 8.6

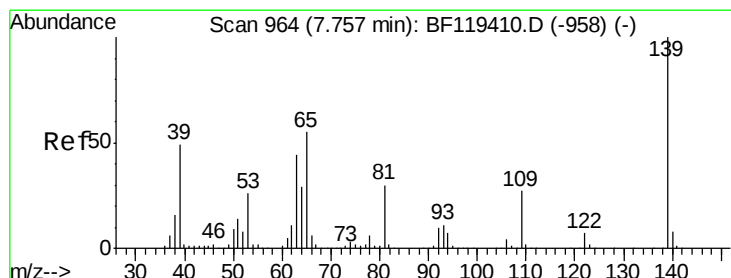
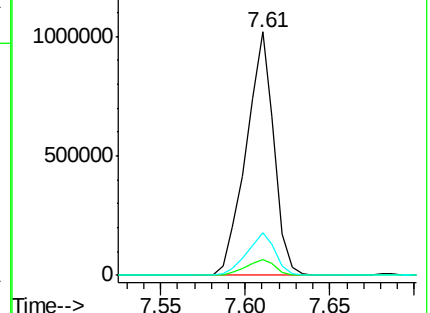
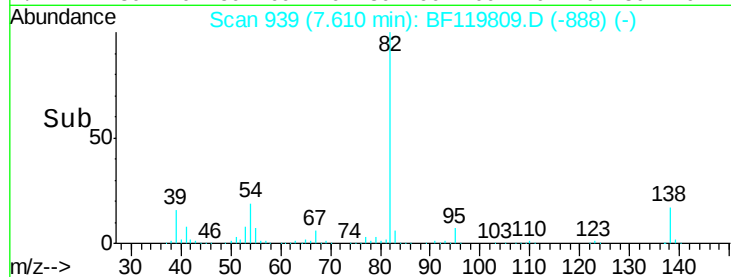
138 17.5 14.6 21.8



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: 68.60 ng

RT: 7.69 min Scan# 952

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

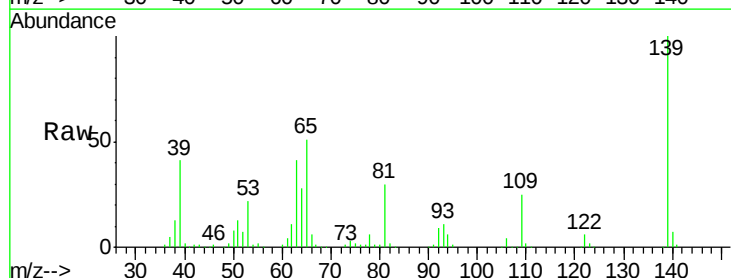
Tgt Ion: 139 Resp: 334550

Ion Ratio Lower Upper

139 100

109 24.9 22.1 33.1

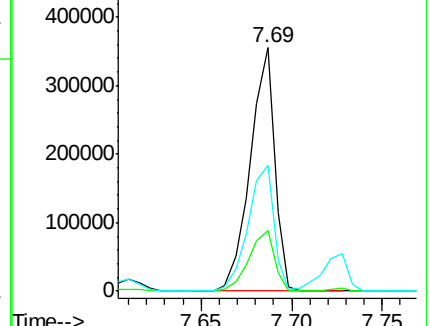
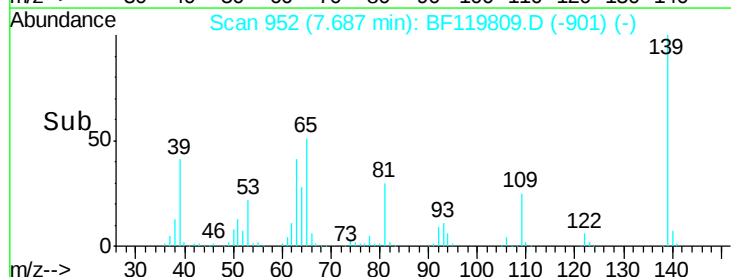
65 51.5 49.2 73.8

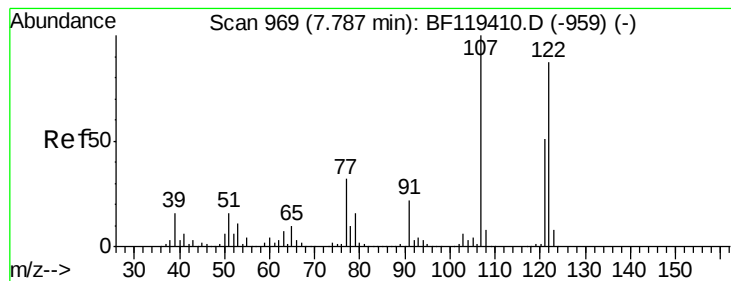


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 51.22 ng

RT: 7.73 min Scan# 959

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA\_F

ClientSampleId :

SB-2E-(7-9)MSD

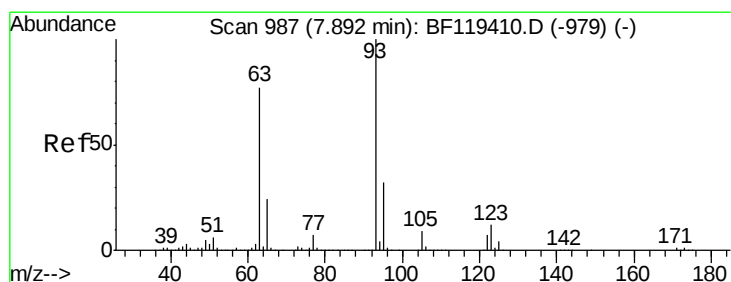
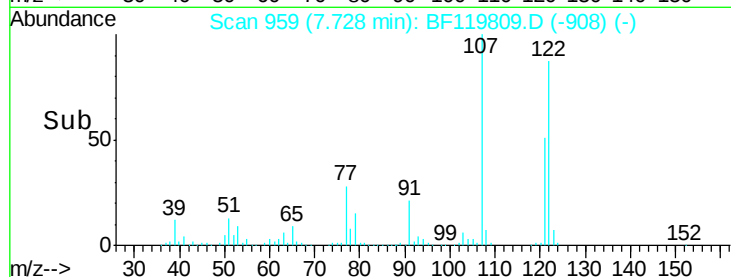
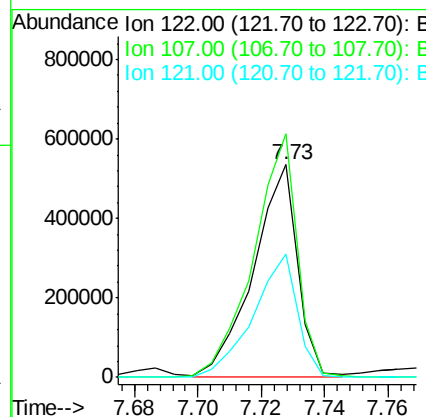
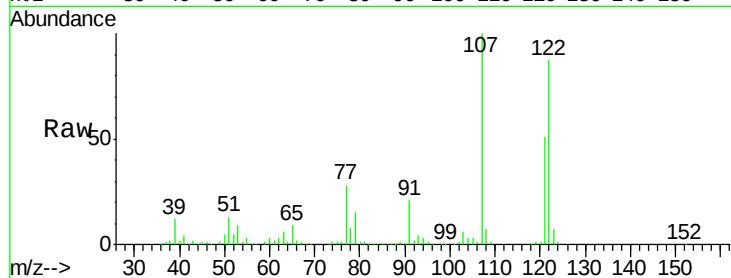
Tgt Ion:122 Resp: 516505

Ion Ratio Lower Upper

122 100

107 114.7 89.0 133.6

121 58.2 46.7 70.1



#28

bis(2-Chloroethoxy)methane

Concen: 52.78 ng

RT: 7.82 min Scan# 975

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

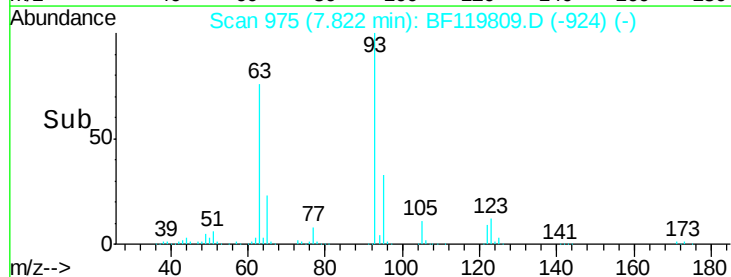
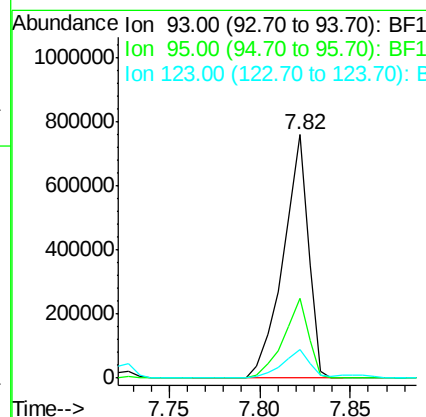
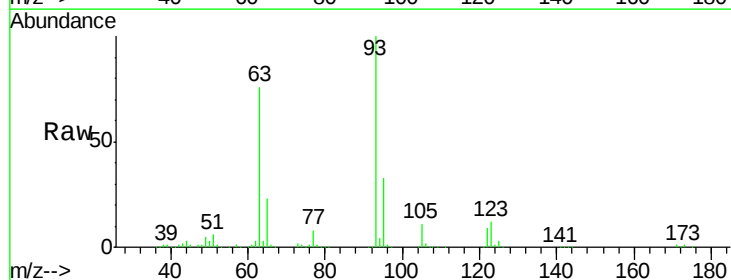
Tgt Ion: 93 Resp: 733721

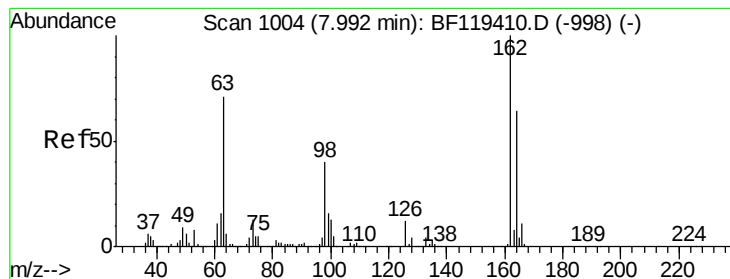
Ion Ratio Lower Upper

93 100

95 32.7 26.3 39.5

123 11.9 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 54.81 ng

RT: 7.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA\_F

ClientSampleId :

SB-2E-(7-9)MSD

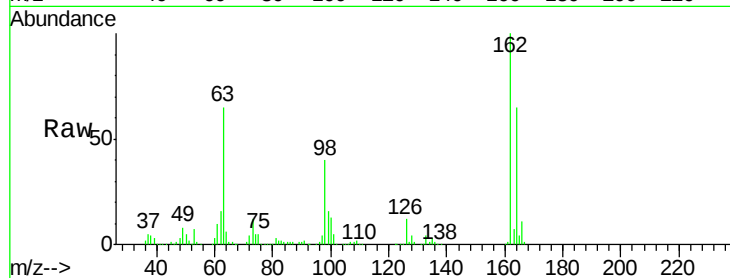
Tgt Ion:162 Resp: 507841

Ion Ratio Lower Upper

162 100

164 64.6 44.7 84.7

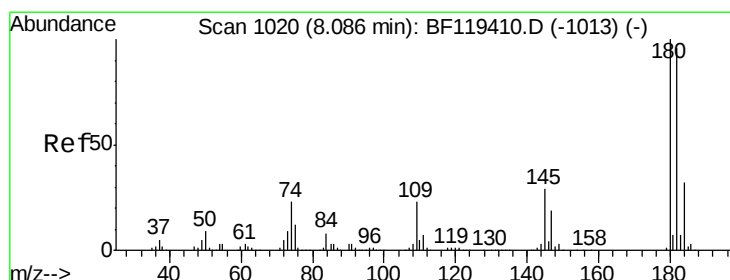
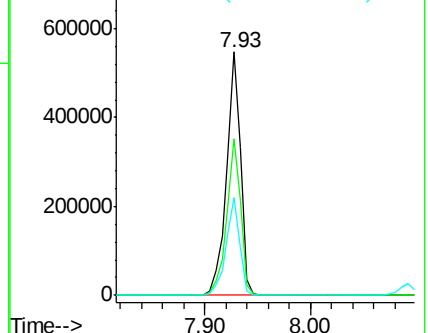
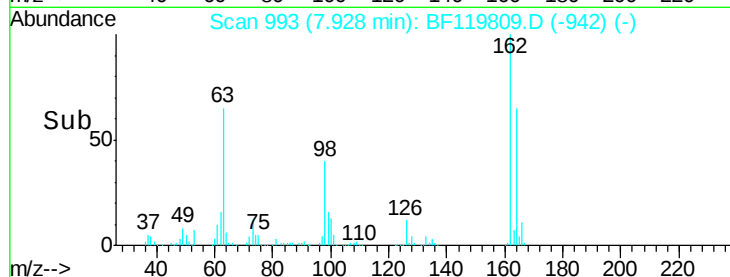
98 39.9 20.7 60.7



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: 53.28 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

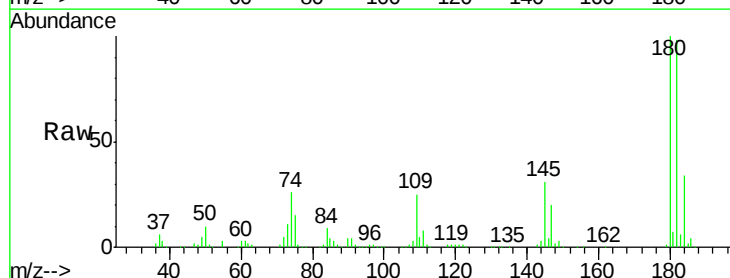
Tgt Ion:180 Resp: 545903

Ion Ratio Lower Upper

180 100

182 97.8 74.7 112.1

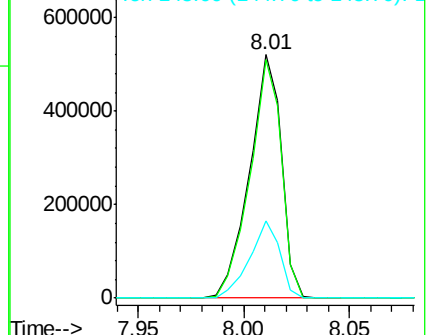
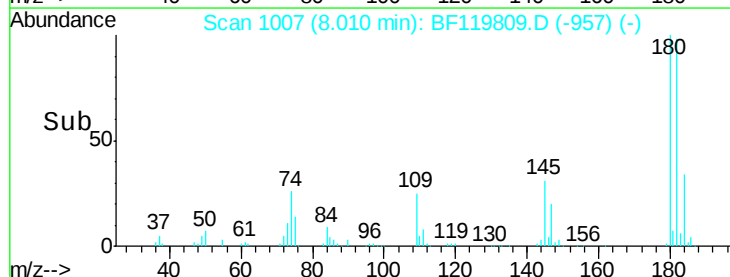
145 31.5 24.5 36.7

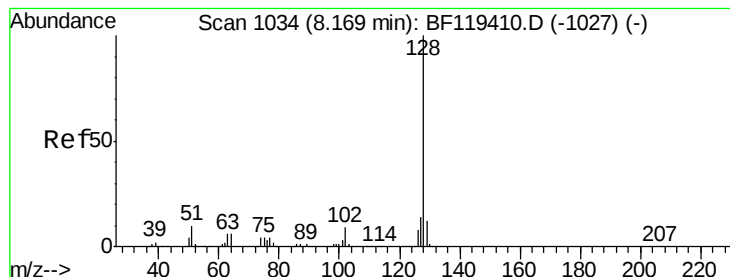


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 53.91 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA\_F

ClientSampleId :

SB-2E-(7-9)MSD

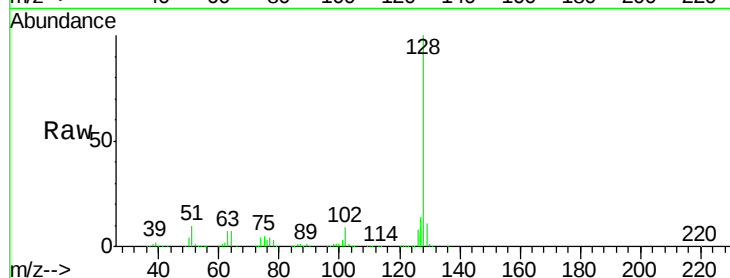
Tgt Ion:128 Resp: 1747335

Ion Ratio Lower Upper

128 100

129 11.4 9.5 14.3

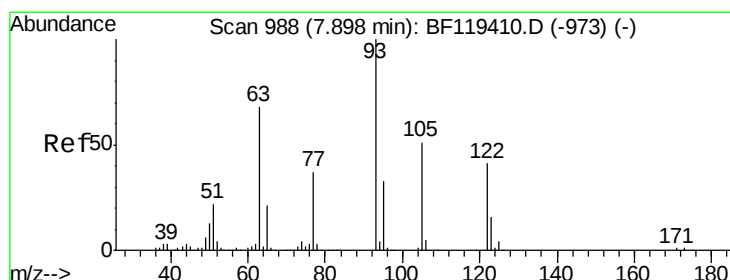
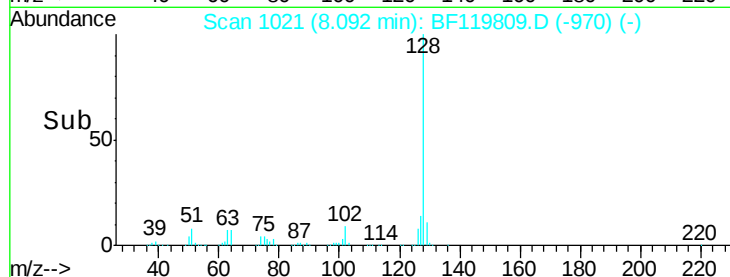
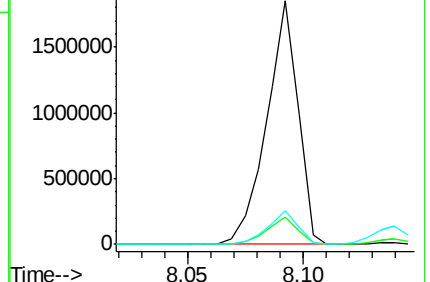
127 13.8 11.3 16.9



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



#32

Benzoic acid

Concen: 61.22 ng

RT: 7.86 min Scan# 981

Delta R.T. 0.01 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

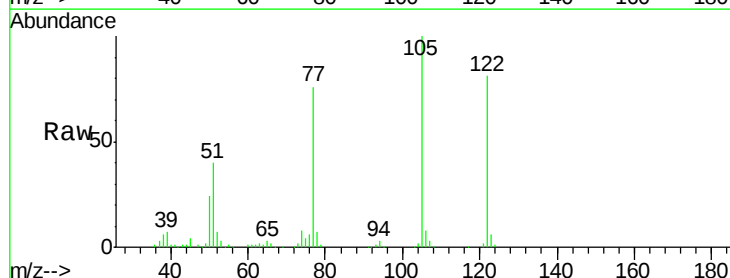
Tgt Ion:122 Resp: 397088

Ion Ratio Lower Upper

122 100

105 123.7 104.9 144.9

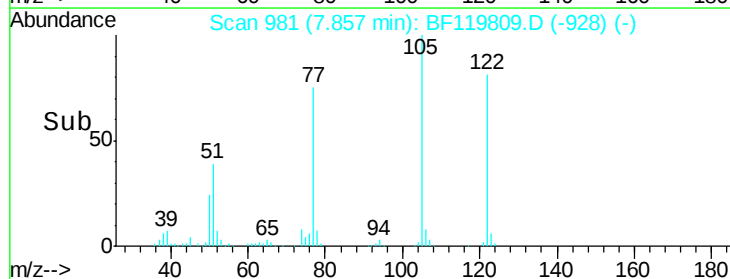
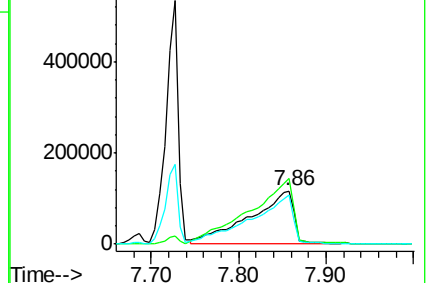
77 93.8 74.4 114.4

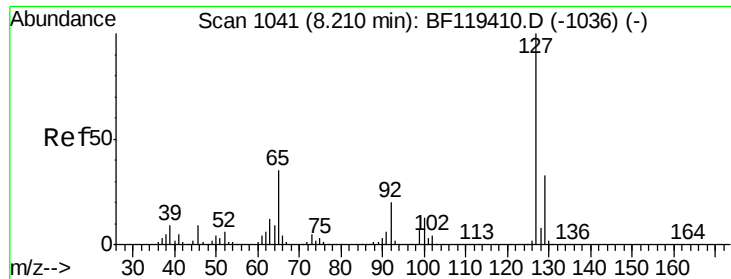


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

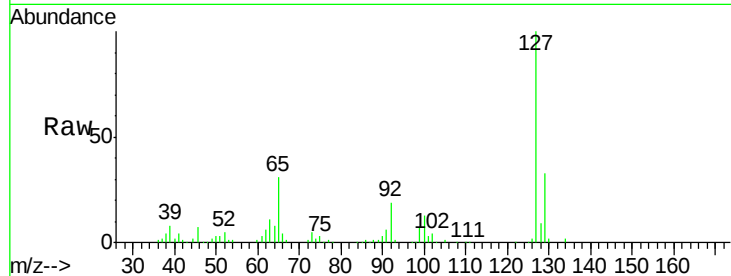




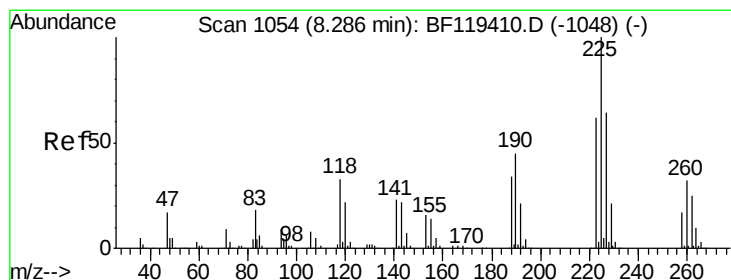
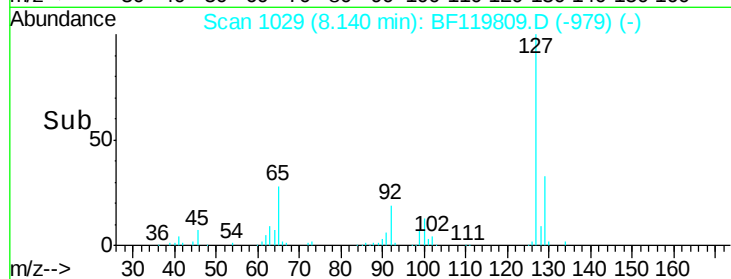
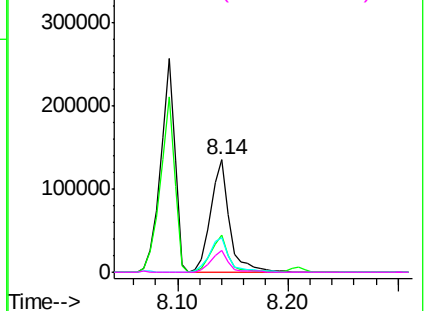
#33  
4-Chloroaniline  
Concen: 10.47 ng  
RT: 8.14 min Scan# 1029  
Delta R.T. -0.01 min  
Lab File: BF119809.D  
Acq: 7 Apr 2020 8:59

Instrument :  
BNA\_F  
ClientSampleId :  
SB-2E-(7-9)MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 155436 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.9  | 26.2  | 39.4   |
| 65       | 30.8  | 27.4  | 41.0   |
| 92       | 19.2  | 15.3  | 22.9   |

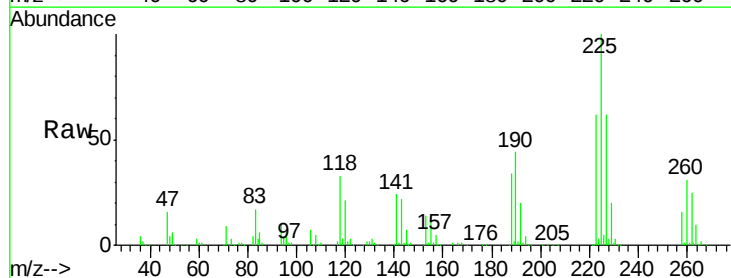


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 92.00 (91.70 to 92.70): BF1

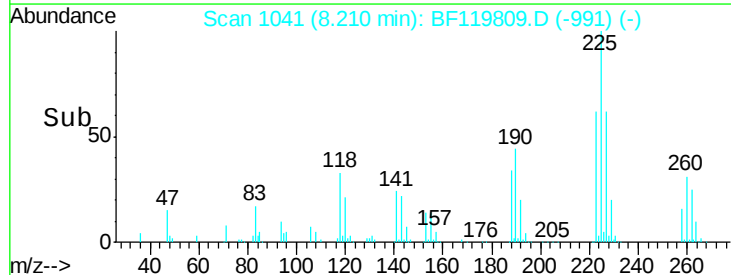
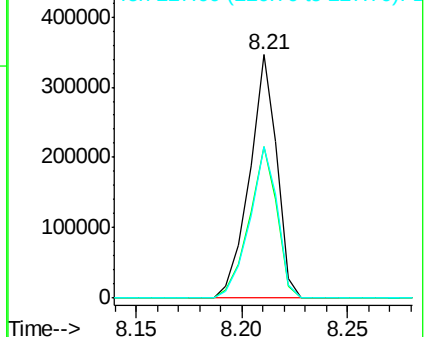


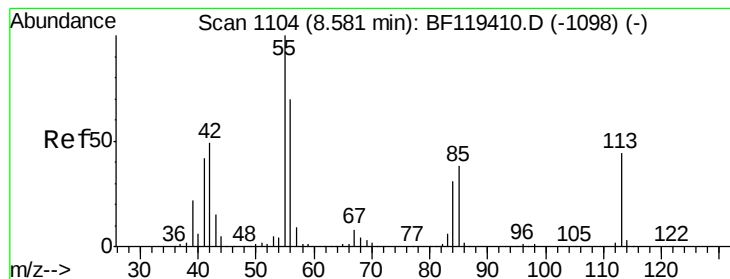
#34  
Hexachlorobutadiene  
Concen: 54.26 ng  
RT: 8.21 min Scan# 1041  
Delta R.T. -0.01 min  
Lab File: BF119809.D  
Acq: 7 Apr 2020 8:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 311103 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.4  | 51.0  | 76.6   |
| 227      | 62.3  | 50.7  | 76.1   |



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 31.68 ng

RT: 8.52 min Scan# 1093

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA\_F

ClientSampleId :

SB-2E-(7-9)MSD

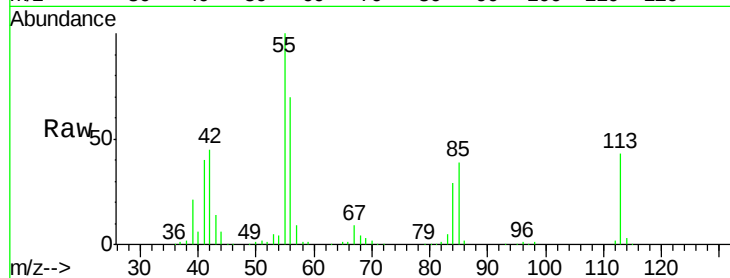
Tgt Ion:113 Resp: 96059

Ion Ratio Lower Upper

113 100

55 233.2 218.4 258.4

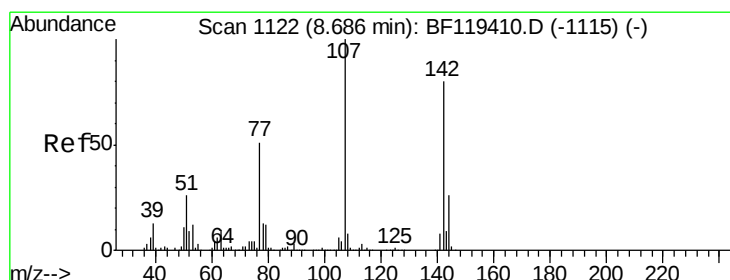
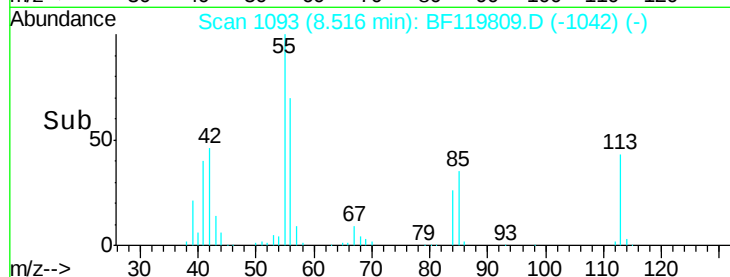
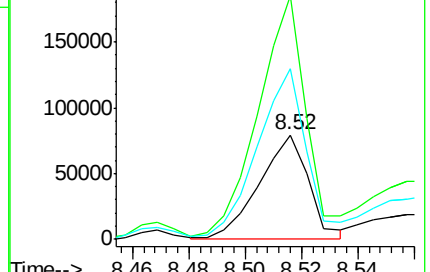
56 163.0 148.9 188.9



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36

4-Chloro-3-methylphenol

Concen: 53.42 ng

RT: 8.63 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

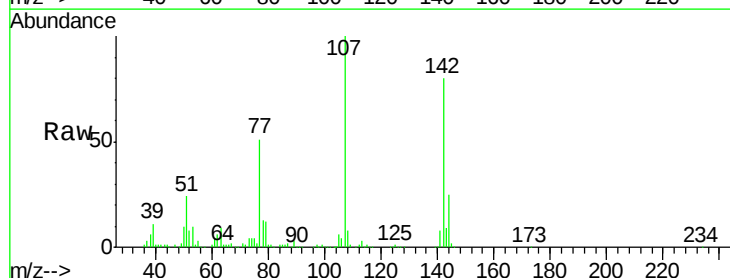
Tgt Ion:107 Resp: 540988

Ion Ratio Lower Upper

107 100

144 25.1 21.0 31.6

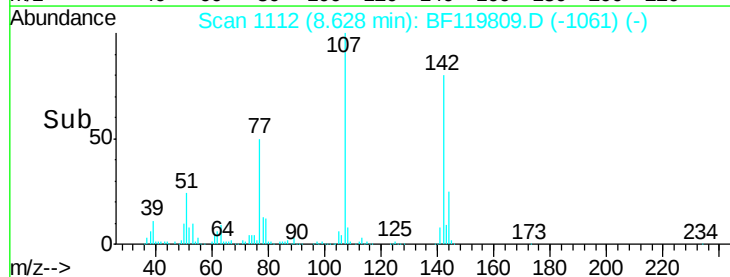
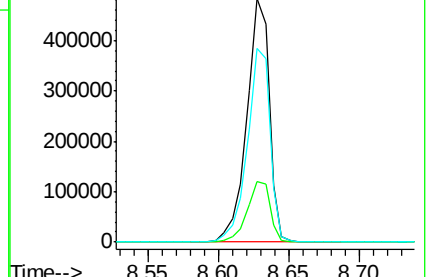
142 79.5 64.4 96.6

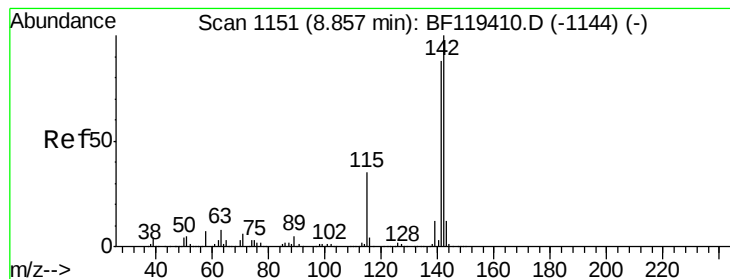


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 54.67 ng

RT: 8.79 min Scan# 1139

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA\_F

ClientSampleId :

SB-2E-(7-9)MSD

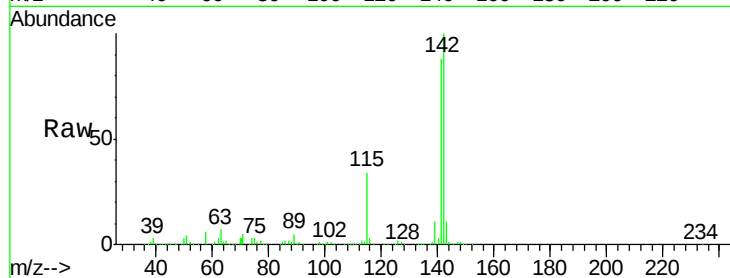
Tgt Ion:142 Resp: 1163009

Ion Ratio Lower Upper

142 100

141 87.9 71.7 107.5

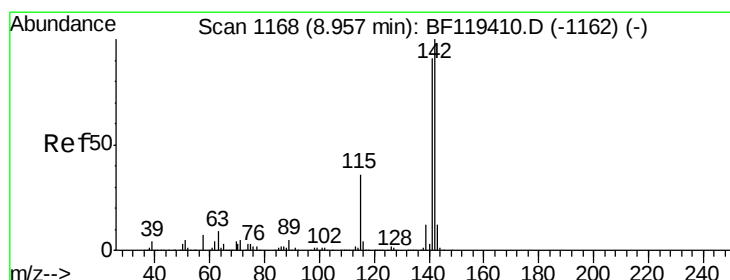
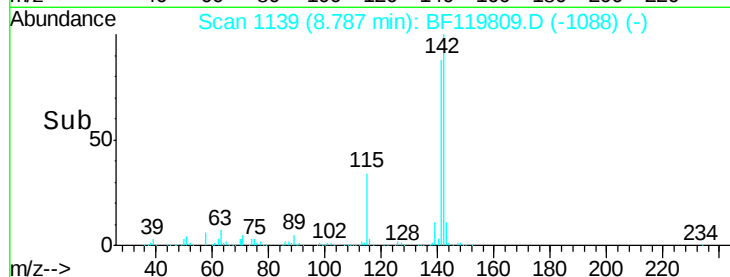
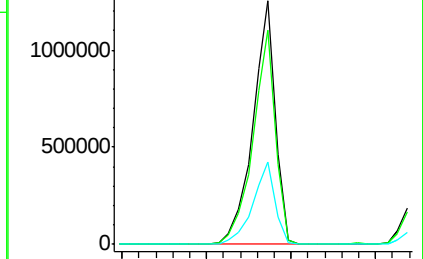
115 33.6 27.9 41.9



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: 54.31 ng

RT: 8.89 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

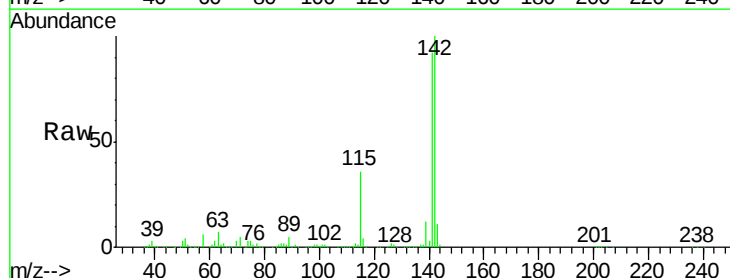
Tgt Ion:142 Resp: 1093630

Ion Ratio Lower Upper

142 100

141 92.4 73.7 110.5

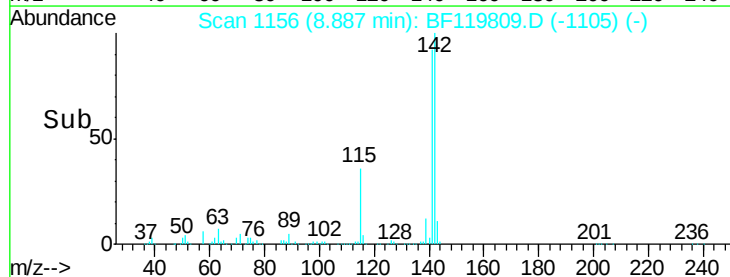
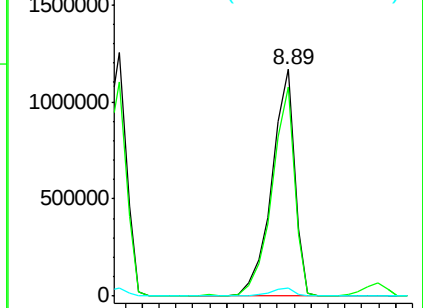
116 3.6 3.0 4.6

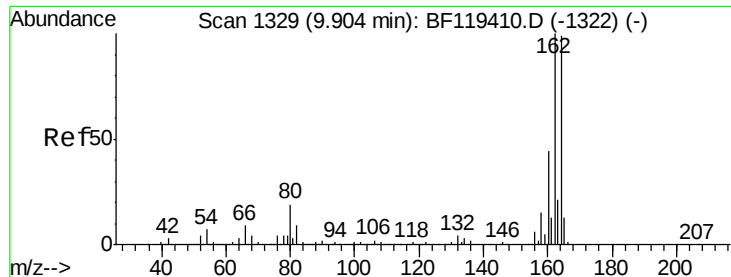


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

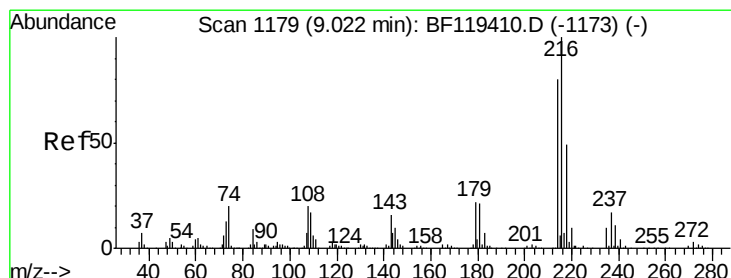
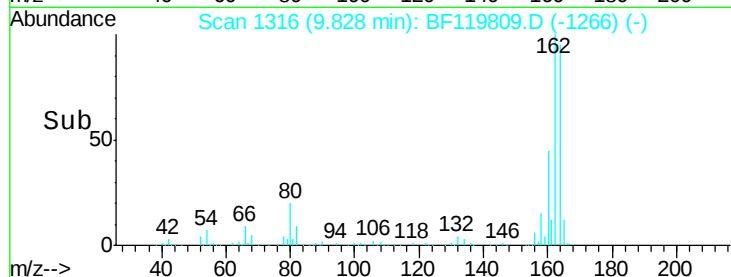
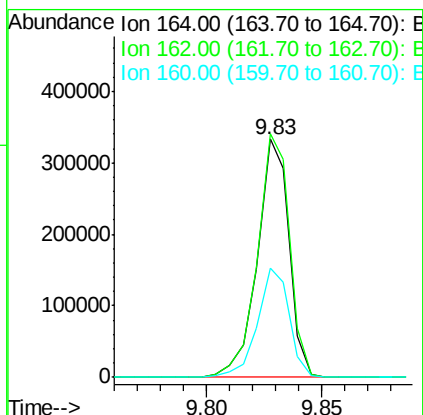
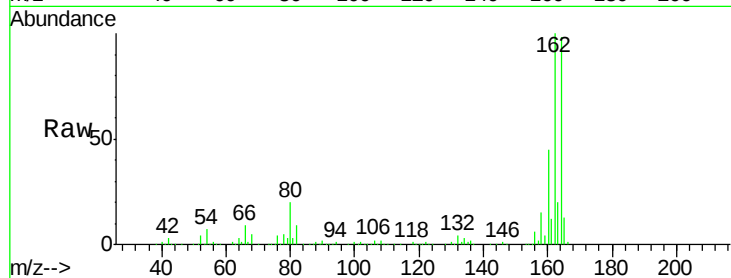




#39  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.83 min Scan# 1316  
 Delta R.T. -0.01 min  
 Lab File: BF119809.D  
 Acq: 7 Apr 2020 8:59

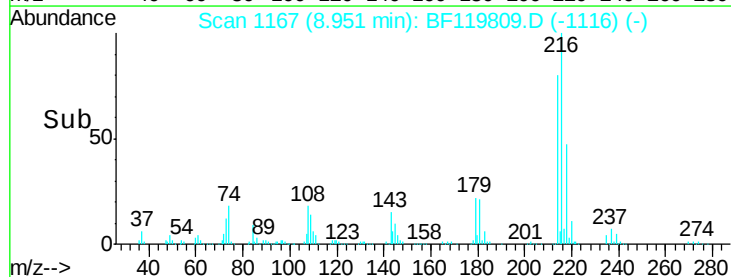
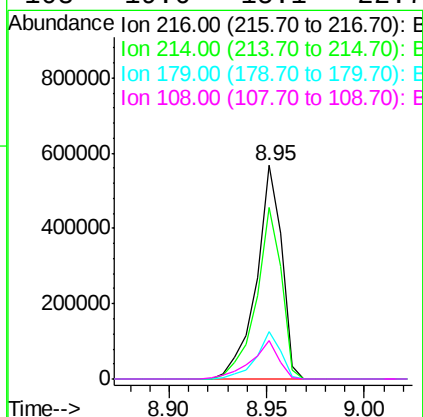
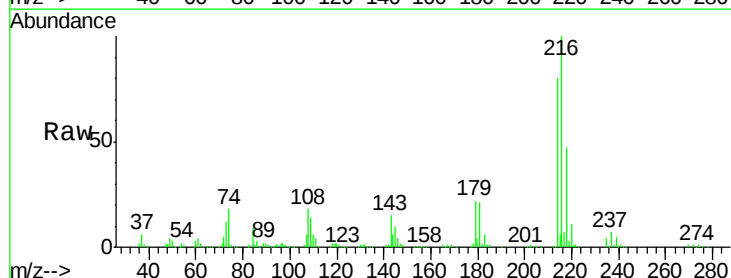
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-2E-(7-9)MSD

Tgt Ion:164 Resp: 319061  
 Ion Ratio Lower Upper  
 164 100  
 162 102.1 80.6 121.0  
 160 46.0 35.7 53.5



#40  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 54.74 ng  
 RT: 8.95 min Scan# 1167  
 Delta R.T. 0.00 min  
 Lab File: BF119809.D  
 Acq: 7 Apr 2020 8:59

Tgt Ion:216 Resp: 511937  
 Ion Ratio Lower Upper  
 216 100  
 214 79.2 63.2 94.8  
 179 21.2 17.1 25.7  
 108 19.6 15.1 22.7





#41

Hexachlorocyclopentadiene

Concen: 95.60 ng

RT: 8.94 min Scan# 1165

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA\_F

ClientSampleId :

SB-2E-(7-9)MSD

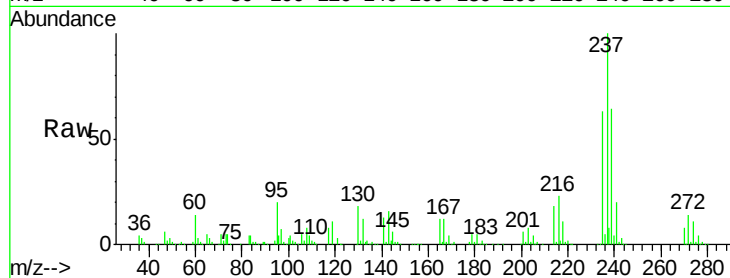
Tgt Ion:237 Resp: 508286

Ion Ratio Lower Upper

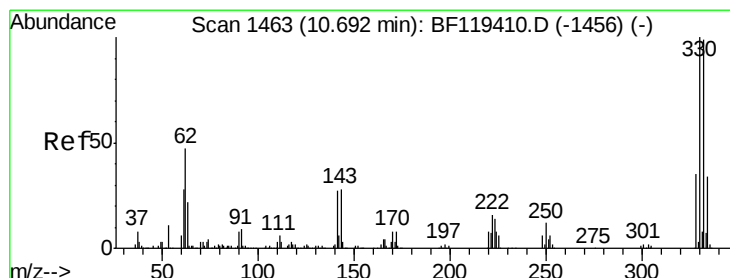
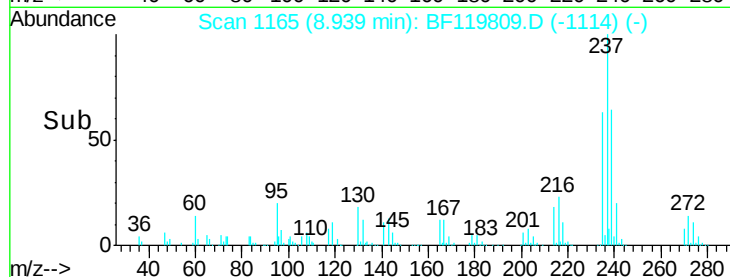
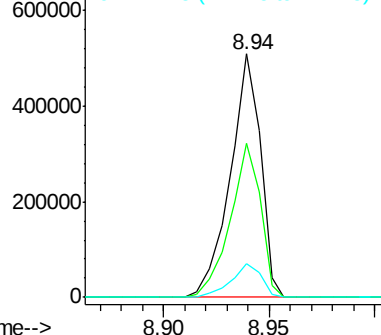
237 100

235 63.4 43.2 83.2

272 13.6 0.0 34.1



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



#42

2,4,6-Tribromophenol

Concen: 146.96 ng

RT: 10.62 min Scan# 1451

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

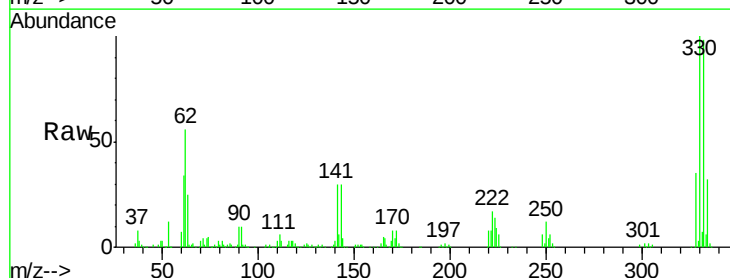
Tgt Ion:330 Resp: 483752

Ion Ratio Lower Upper

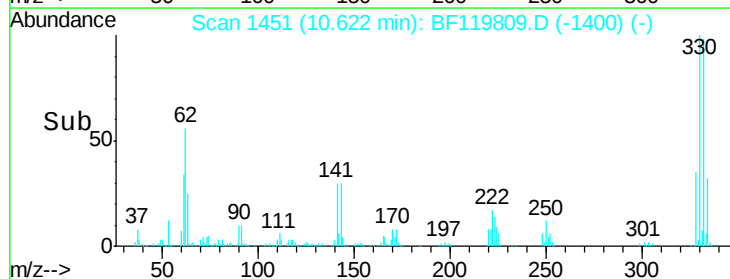
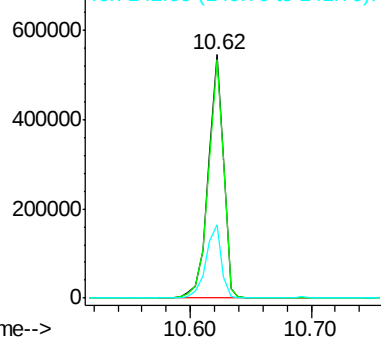
330 100

332 97.8 75.7 113.5

141 30.4 25.4 38.0



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

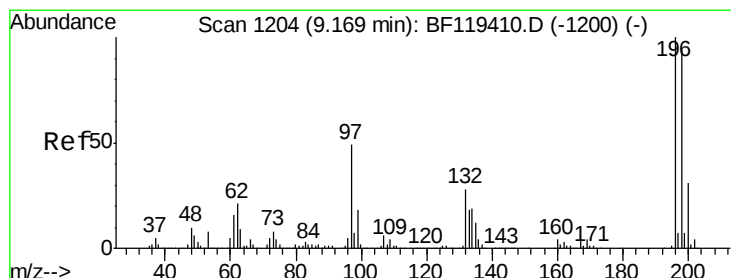
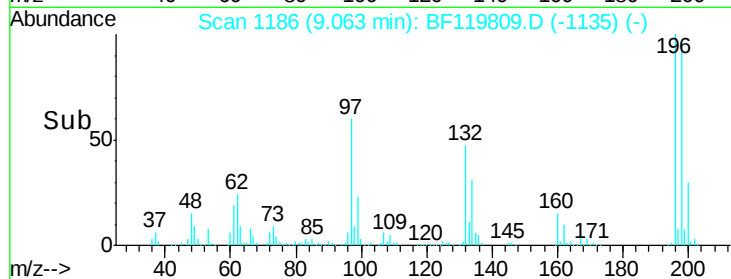
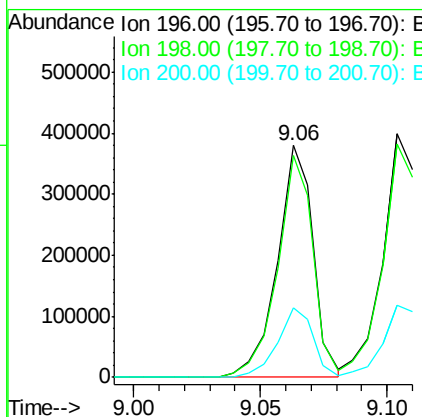
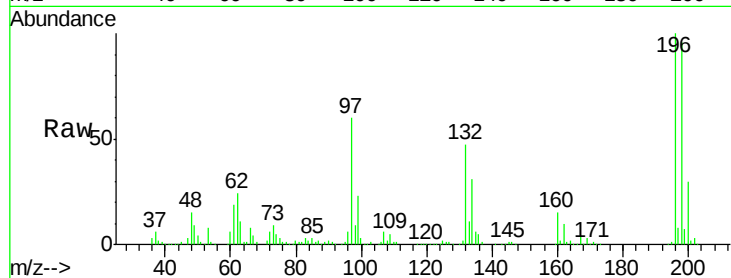




#43  
 2,4,6-Trichlorophenol  
 Concen: 55.91 ng  
 RT: 9.06 min Scan# 1186  
 Delta R.T. 0.00 min  
 Lab File: BF119809.D  
 Acq: 7 Apr 2020 8:59

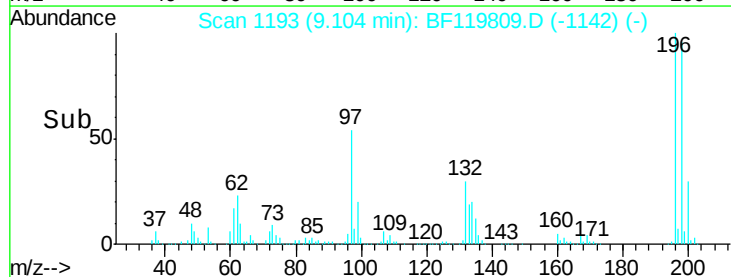
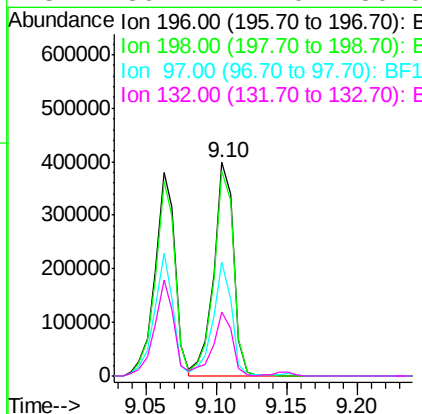
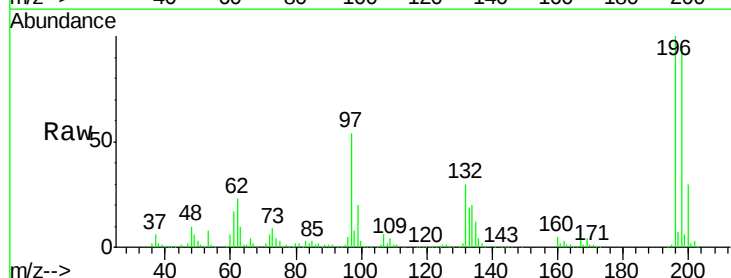
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-2E-(7-9)MSD

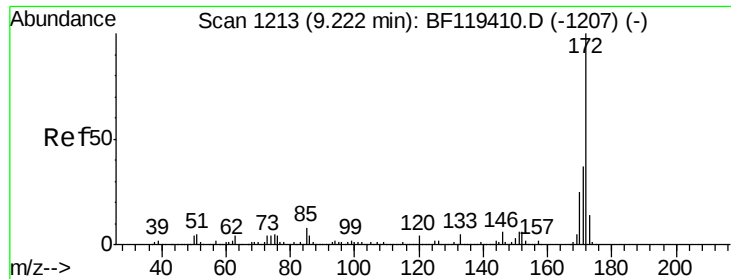
Tgt Ion:196 Resp: 374173  
 Ion Ratio Lower Upper  
 196 100  
 198 95.7 76.6 115.0  
 200 29.9 24.6 36.8



#44  
 2,4,5-Trichlorophenol  
 Concen: 51.91 ng  
 RT: 9.10 min Scan# 1193  
 Delta R.T. 0.00 min  
 Lab File: BF119809.D  
 Acq: 7 Apr 2020 8:59

Tgt Ion:196 Resp: 389141  
 Ion Ratio Lower Upper  
 196 100  
 198 95.7 73.8 110.8  
 97 53.6 42.6 63.8  
 132 30.2 24.0 36.0

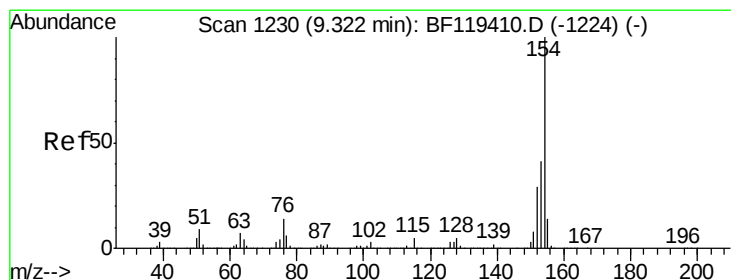
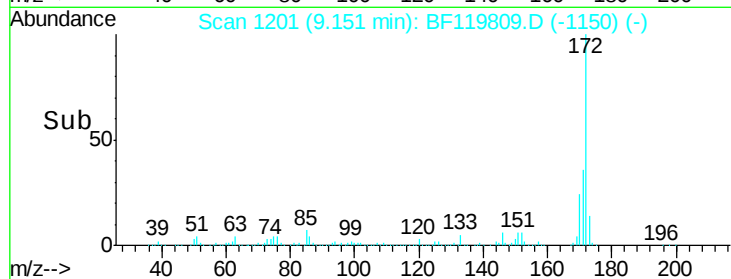
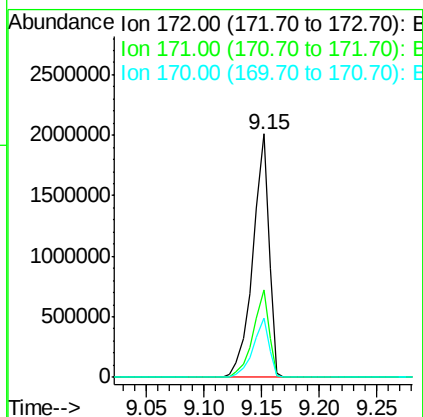
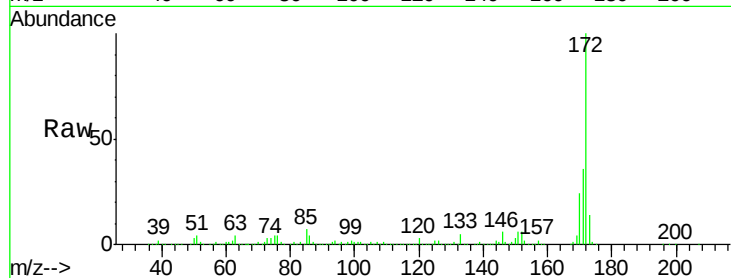




#45  
2-Fluorobiphenyl  
Concen: 90.55 ng  
RT: 9.15 min Scan# 1201  
Delta R.T. 0.00 min  
Lab File: BF119809.D  
Acq: 7 Apr 2020 8:59

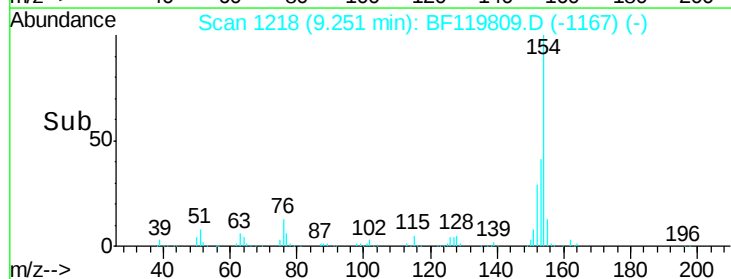
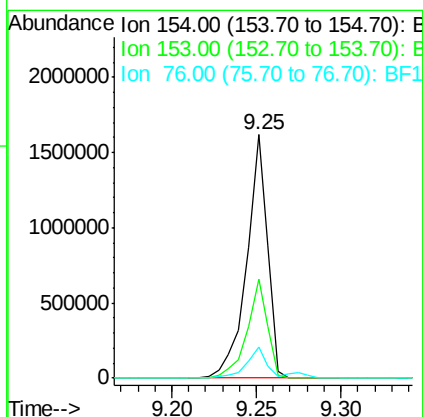
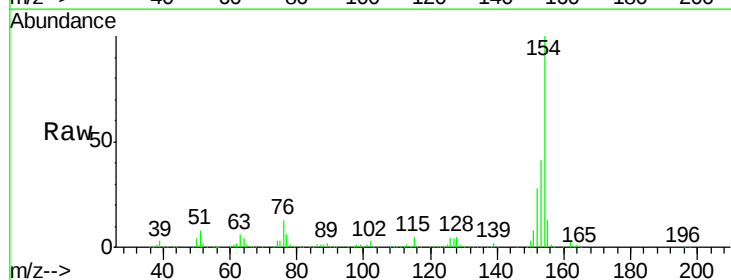
Instrument :  
BNA\_F  
ClientSampleId :  
SB-2E-(7-9)MSD

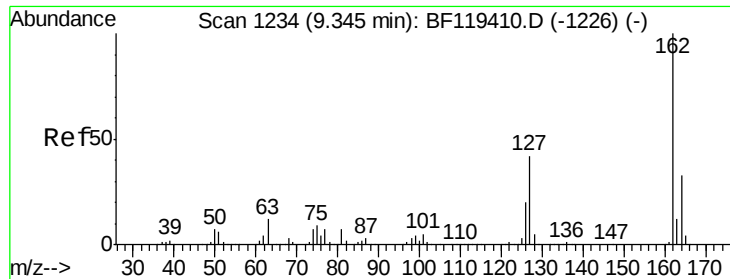
Tgt Ion:172 Resp: 1950072  
Ion Ratio Lower Upper  
172 100  
171 36.1 29.6 44.4  
170 24.1 20.2 30.2



#46  
1,1'-Biphenyl  
Concen: 53.76 ng  
RT: 9.25 min Scan# 1218  
Delta R.T. 0.00 min  
Lab File: BF119809.D  
Acq: 7 Apr 2020 8:59

Tgt Ion:154 Resp: 1397103  
Ion Ratio Lower Upper  
154 100  
153 40.8 21.4 61.4  
76 12.6 0.0 33.0

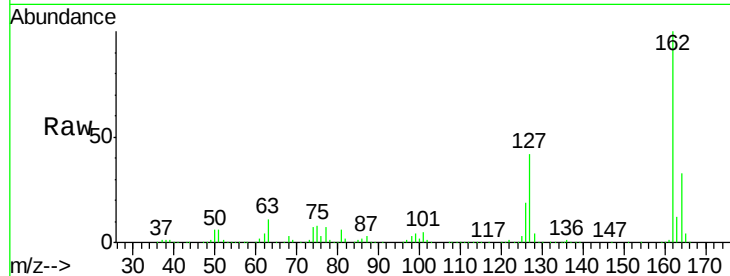




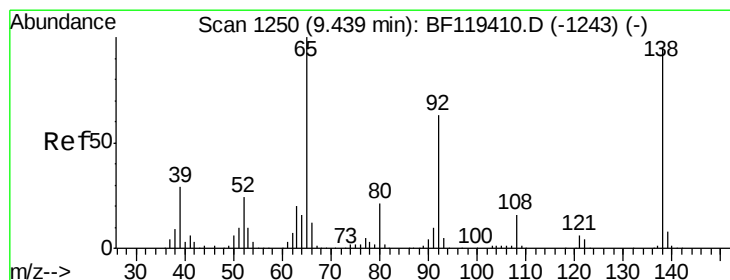
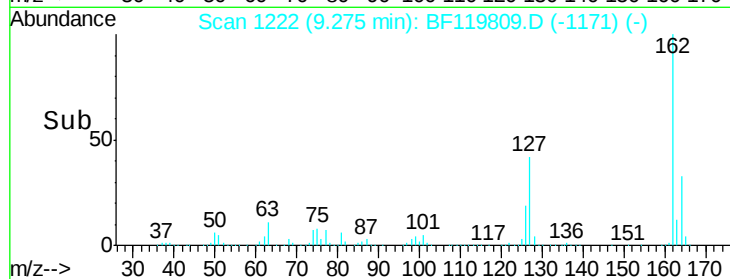
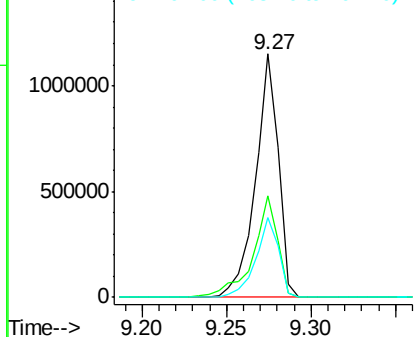
#47  
 2-Chloronaphthalene  
 Concen: 53.07 ng  
 RT: 9.27 min Scan# 1222  
 Delta R.T. 0.00 min  
 Lab File: BF119809.D  
 Acq: 7 Apr 2020 8:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-2E-(7-9)MSD

Tgt Ion: 162 Resp: 1080152  
 Ion Ratio Lower Upper  
 162 100  
 127 41.6 33.7 50.5  
 164 32.8 26.3 39.5

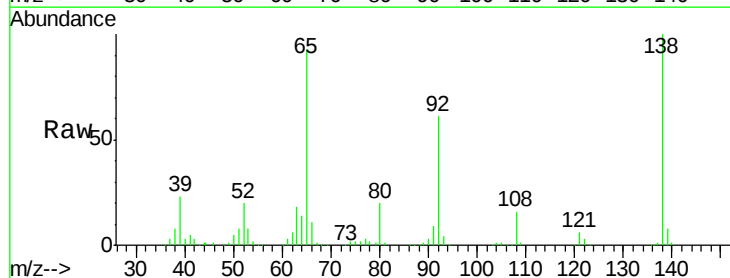


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

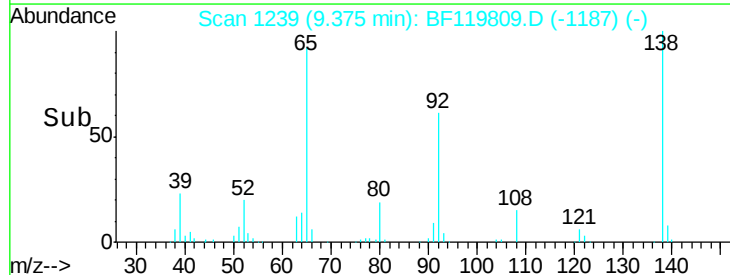
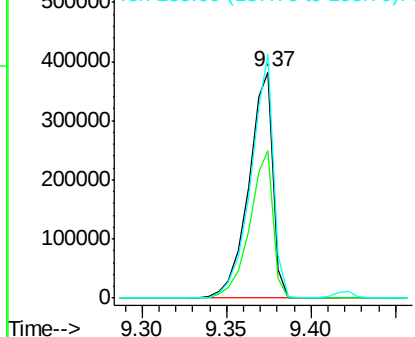


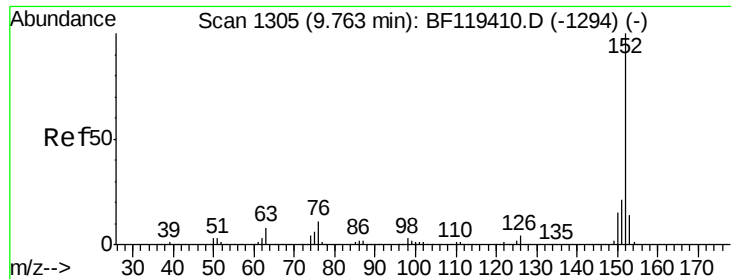
#48  
 2-Nitroaniline  
 Concen: 54.48 ng  
 RT: 9.37 min Scan# 1239  
 Delta R.T. 0.01 min  
 Lab File: BF119809.D  
 Acq: 7 Apr 2020 8:59

Tgt Ion: 65 Resp: 382778  
 Ion Ratio Lower Upper  
 65 100  
 92 65.5 50.0 75.0  
 138 107.8 75.0 112.4



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: 53.00 ng

RT: 9.69 min Scan# 1293

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA\_F

ClientSampleId :

SB-2E-(7-9)MSD

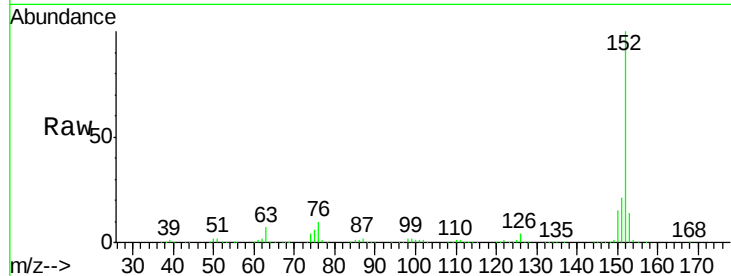
Tgt Ion:152 Resp: 1694153

Ion Ratio Lower Upper

152 100

151 20.5 17.2 25.8

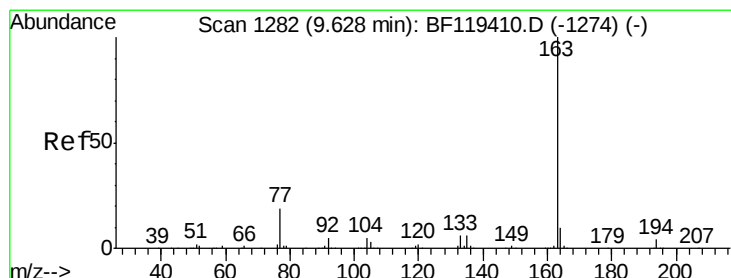
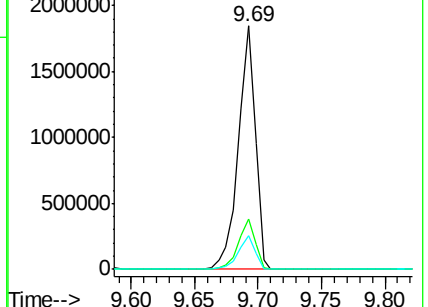
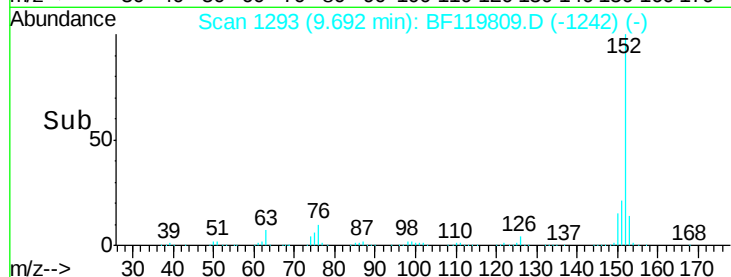
153 13.6 11.2 16.8



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: 64.70 ng

RT: 9.56 min Scan# 1270

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

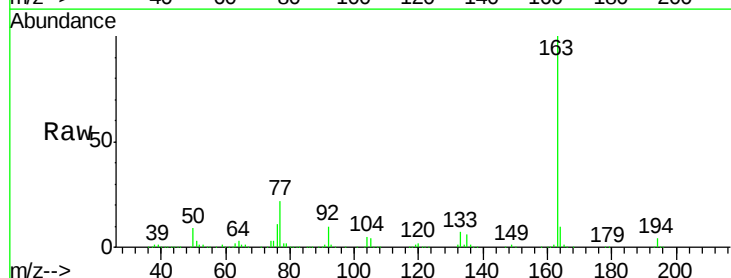
Tgt Ion:163 Resp: 1466386

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

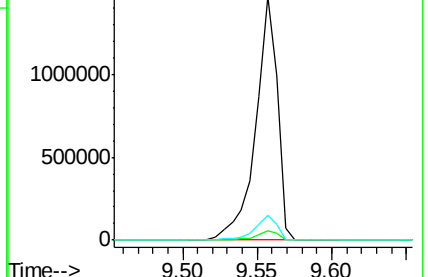
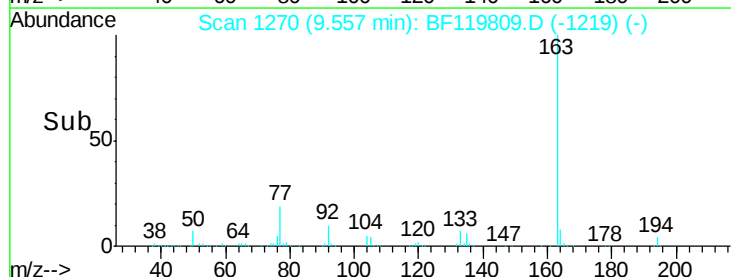
164 10.4 8.2 12.2

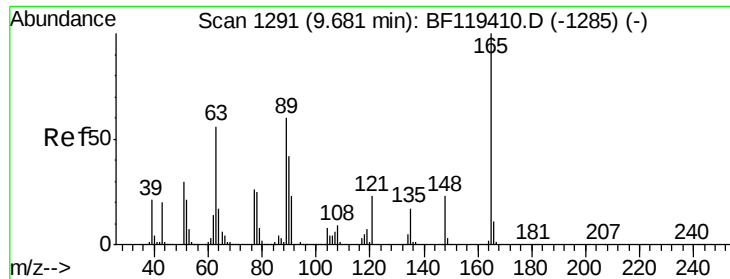


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

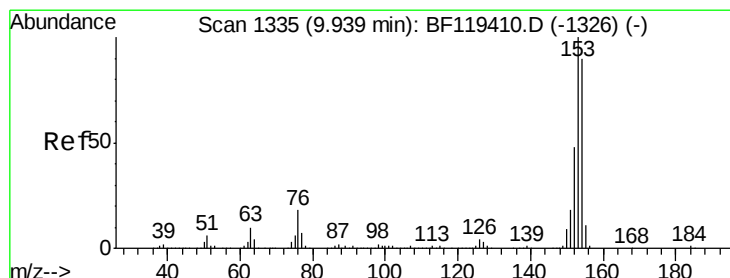
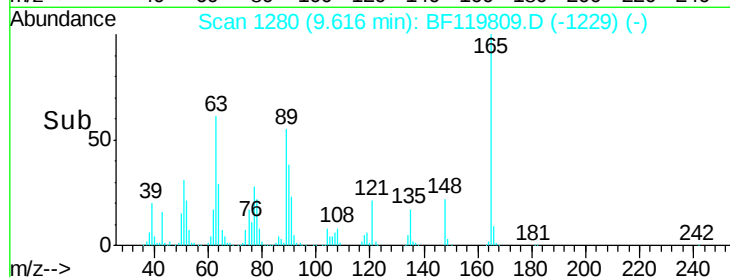
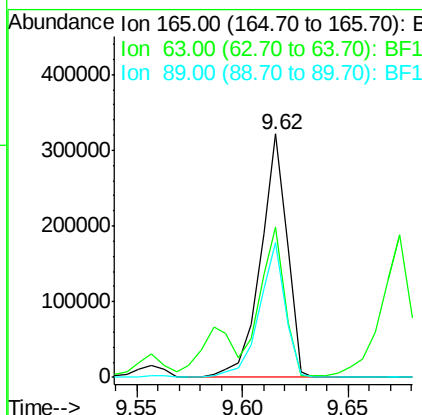
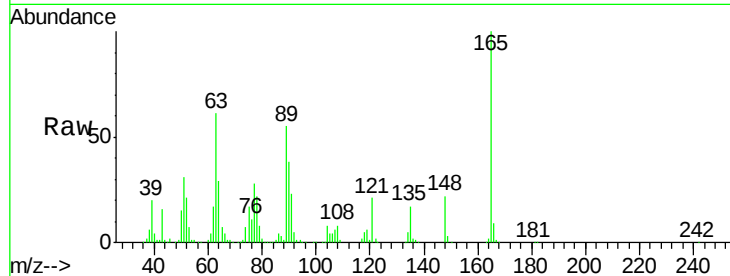




#51  
 2,6-Dinitrotoluene  
 Concen: 57.77 ng  
 RT: 9.62 min Scan# 1280  
 Delta R.T. 0.00 min  
 Lab File: BF119809.D  
 Acq: 7 Apr 2020 8:59

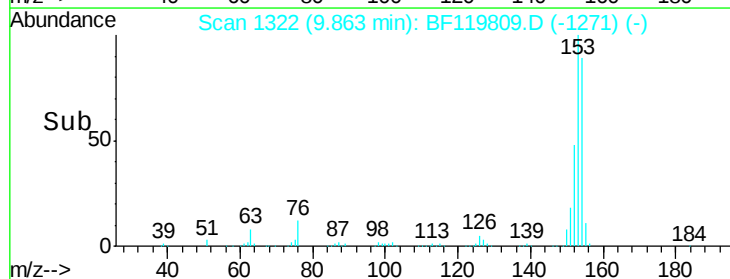
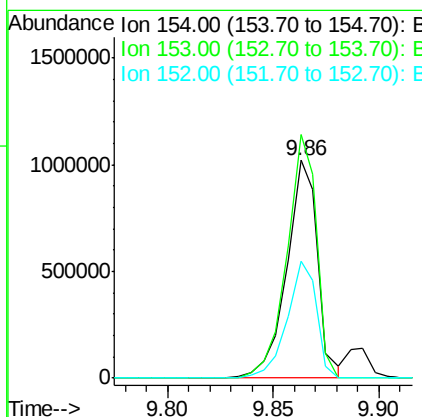
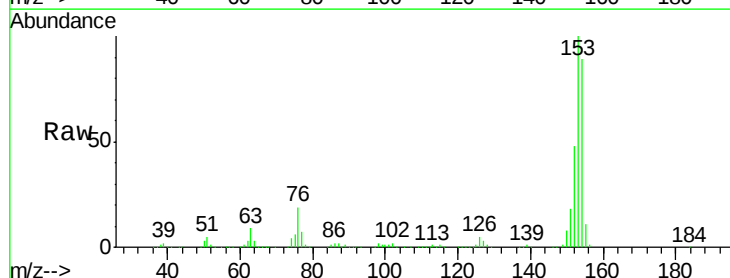
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-2E-(7-9)MSD

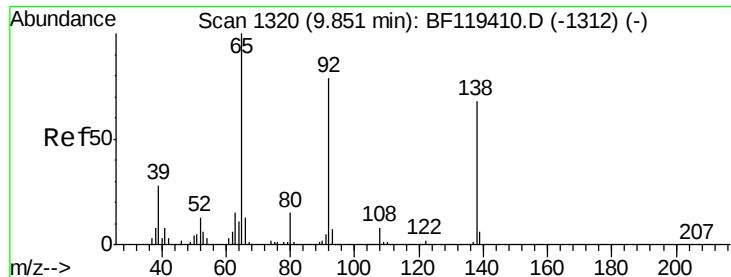
Tgt Ion:165 Resp: 280610  
 Ion Ratio Lower Upper  
 165 100  
 63 61.4 45.0 67.4  
 89 55.3 41.5 62.3



#52  
 Acenaphthene  
 Concen: 52.19 ng  
 RT: 9.86 min Scan# 1322  
 Delta R.T. 0.00 min  
 Lab File: BF119809.D  
 Acq: 7 Apr 2020 8:59

Tgt Ion:154 Resp: 1040038  
 Ion Ratio Lower Upper  
 154 100  
 153 111.9 88.1 132.1  
 152 53.6 43.0 64.4

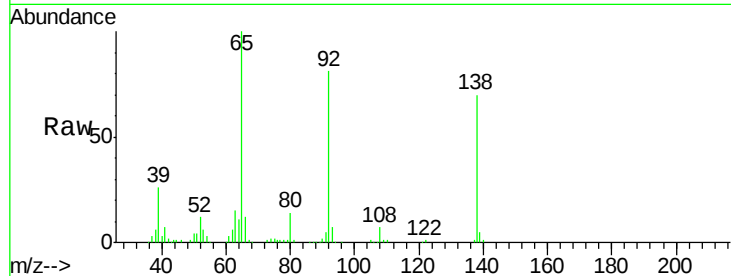




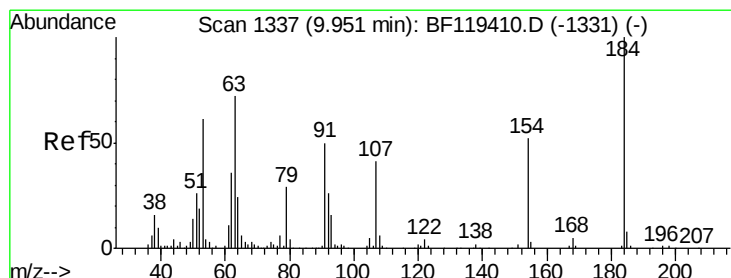
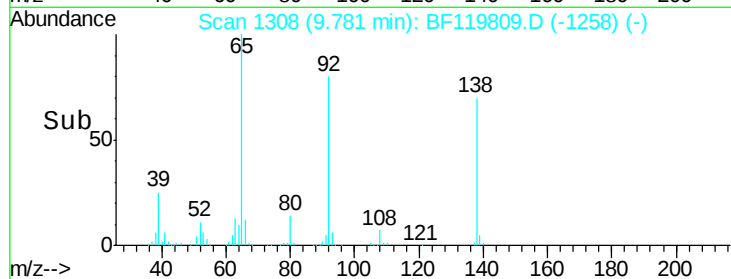
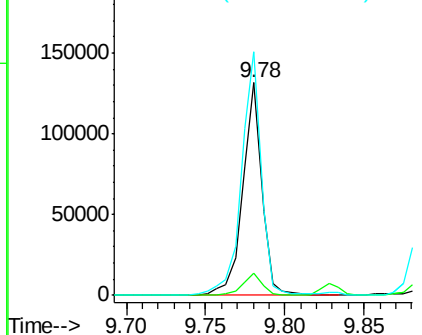
#53  
 3-Nitroaniline  
 Concen: 17.98 ng  
 RT: 9.78 min Scan# 1308  
 Delta R.T. -0.01 min  
 Lab File: BF119809.D  
 Acq: 7 Apr 2020 8:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-2E-(7-9)MSD

Tgt Ion:138 Resp: 110270  
 Ion Ratio Lower Upper  
 138 100  
 108 10.3 8.6 13.0  
 92 114.5 95.4 143.0

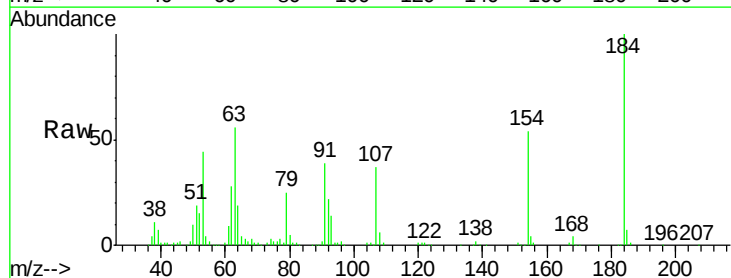


Abundance Ion 138.00 (137.70 to 138.70): E  
 Ion 108.00 (107.70 to 108.70): E  
 Ion 92.00 (91.70 to 92.70): BF1

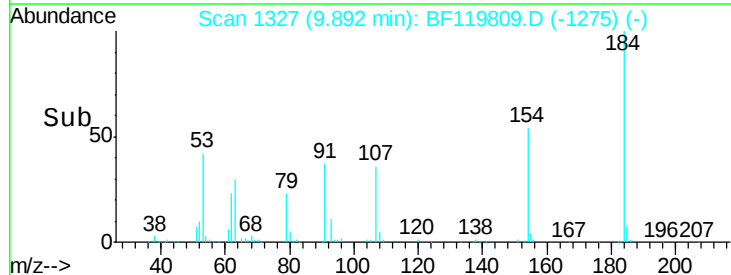
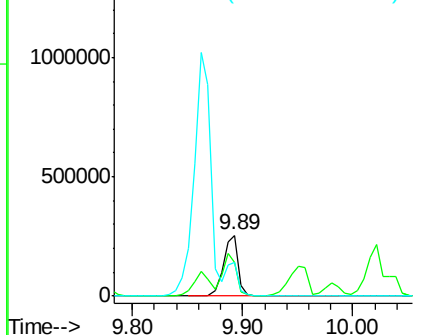


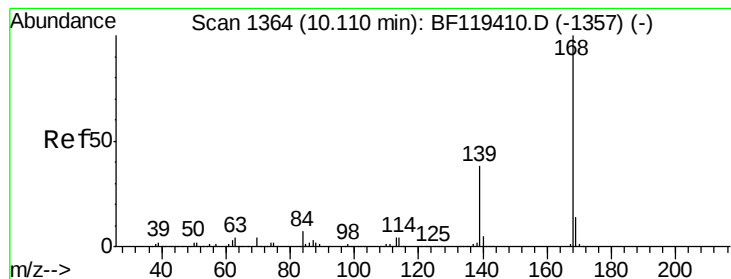
#54  
 2,4-Dinitrophenol  
 Concen: 111.51 ng  
 RT: 9.89 min Scan# 1327  
 Delta R.T. 0.01 min  
 Lab File: BF119809.D  
 Acq: 7 Apr 2020 8:59

Tgt Ion:184 Resp: 241013  
 Ion Ratio Lower Upper  
 184 100  
 63 56.0 50.2 75.4  
 154 54.4 44.5 66.7



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





#55

Dibenzofuran

Concen: 52.99 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA\_F

ClientSampleId :

SB-2E-(7-9)MSD

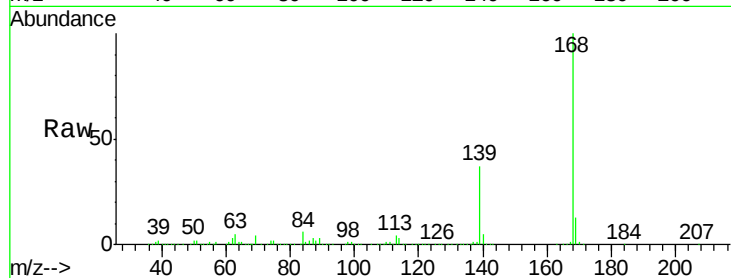
Tgt Ion:168 Resp: 1513876

Ion Ratio Lower Upper

168 100

139 36.9 30.1 45.1

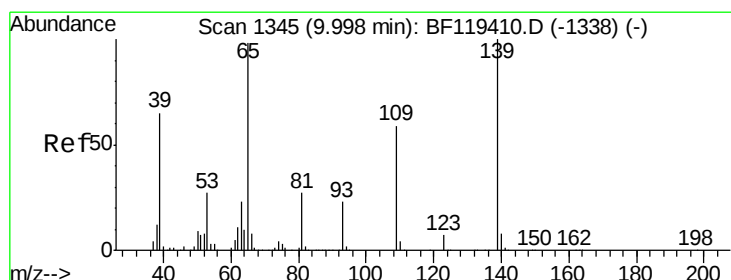
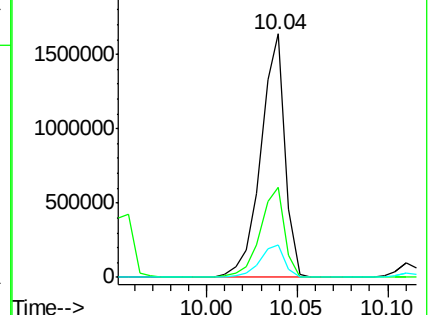
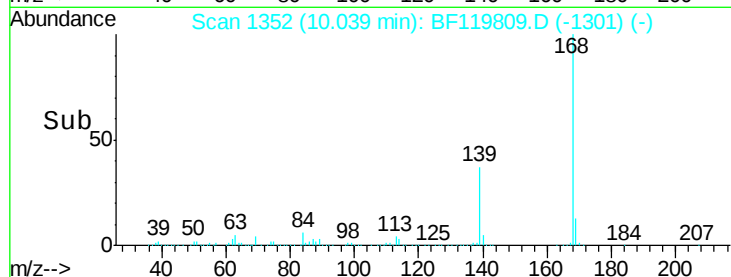
169 13.4 11.0 16.6



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: 100.55 ng

RT: 9.96 min Scan# 1338

Delta R.T. 0.02 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

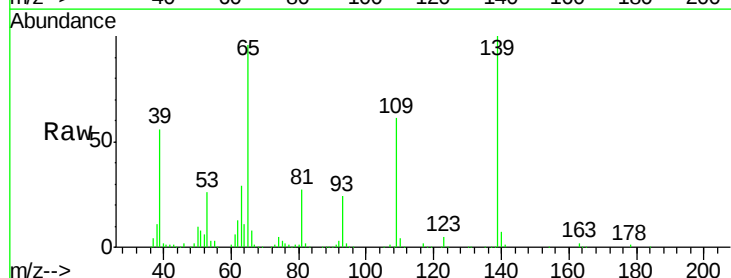
Tgt Ion:139 Resp: 486436

Ion Ratio Lower Upper

139 100

109 61.1 43.3 83.3

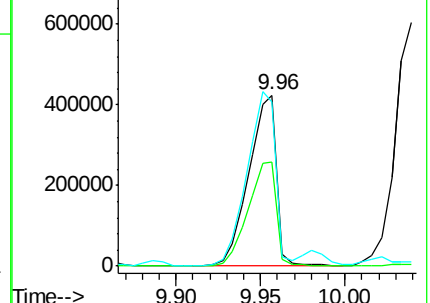
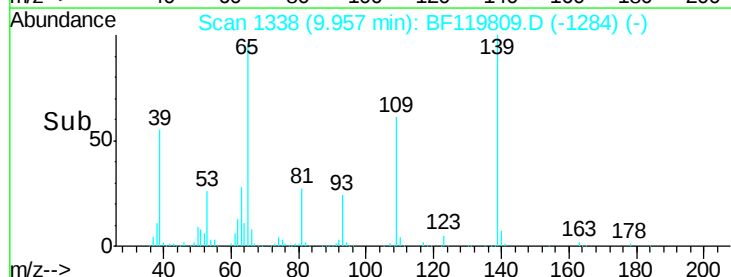
65 95.8 91.0 131.0

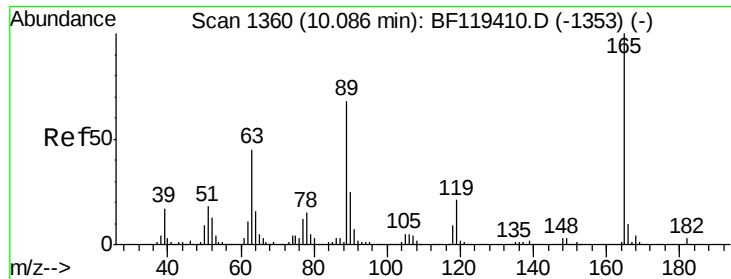


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

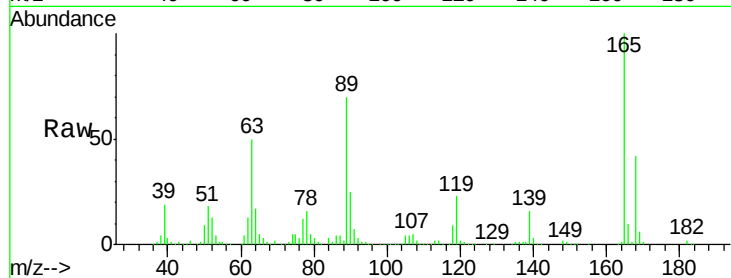




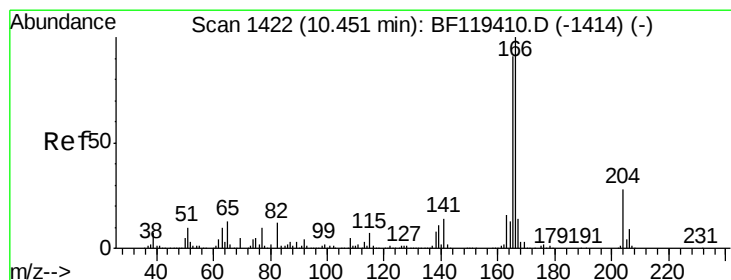
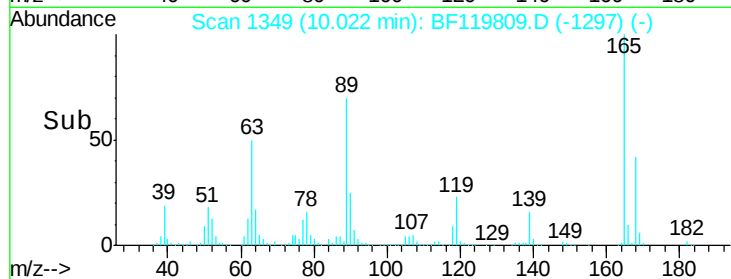
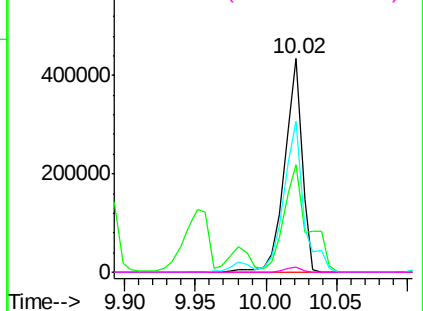
#57  
2,4-Dinitrotoluene  
Concen: 61.60 ng  
RT: 10.02 min Scan# 1349  
Delta R.T. 0.01 min  
Lab File: BF119809.D  
Acq: 7 Apr 2020 8:59

Instrument :  
BNA\_F  
ClientSampleId :  
SB-2E-(7-9)MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 165   | Resp: | 376935 |
| Ion      | Ratio | Lower | Upper  |
| 165      | 100   |       |        |
| 63       | 50.4  | 42.6  | 64.0   |
| 89       | 70.5  | 61.0  | 91.4   |
| 182      | 2.4   | 2.2   | 3.2    |

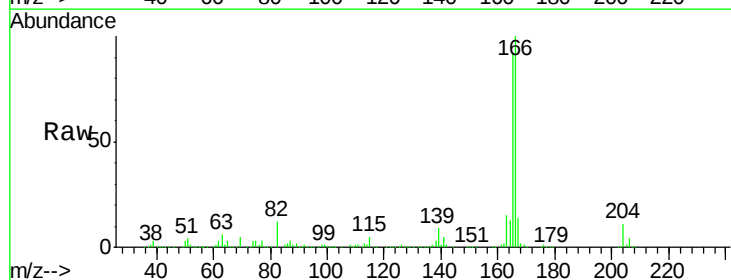


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BF1  
Ion 89.00 (88.70 to 89.70): BF1  
Ion 182.00 (181.70 to 182.70): E

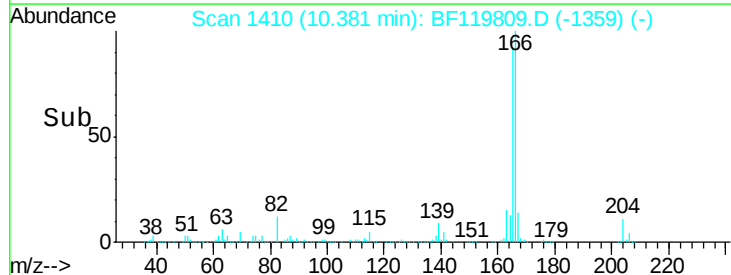
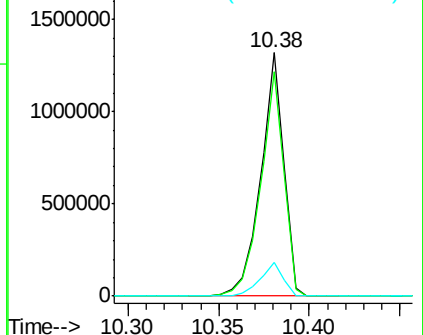


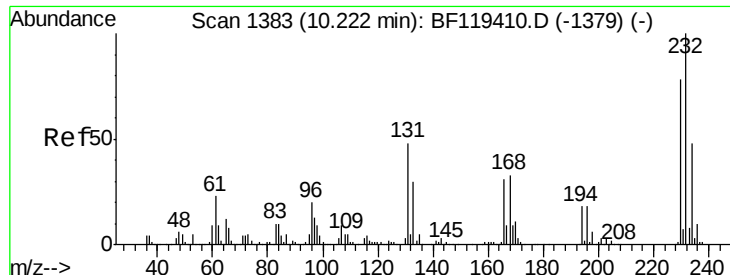
#58  
Fluorene  
Concen: 55.03 ng  
RT: 10.38 min Scan# 1410  
Delta R.T. 0.00 min  
Lab File: BF119809.D  
Acq: 7 Apr 2020 8:59

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 166   | Resp: | 1162635 |
| Ion      | Ratio | Lower | Upper   |
| 166      | 100   |       |         |
| 165      | 92.1  | 75.4  | 113.2   |
| 167      | 13.7  | 11.2  | 16.8    |



Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E

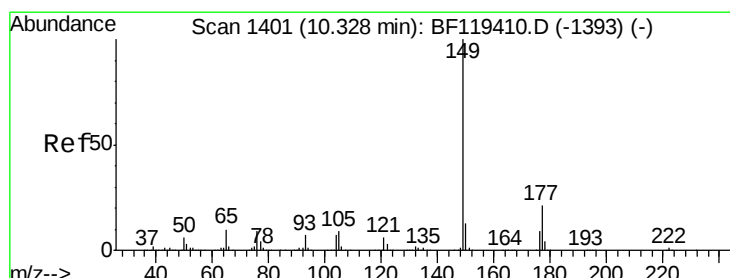
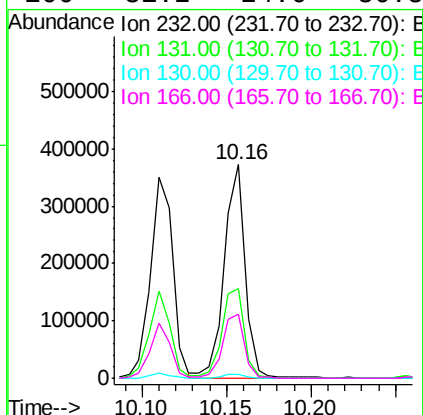
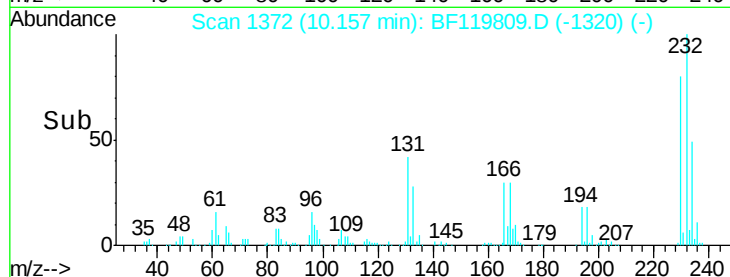
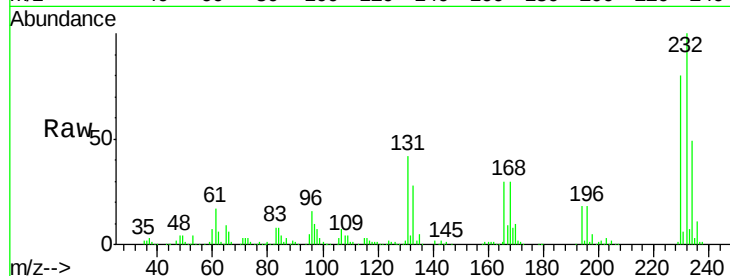




#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 56.81 ng  
 RT: 10.16 min Scan# 1372  
 Delta R.T. 0.01 min  
 Lab File: BF119809.D  
 Acq: 7 Apr 2020 8:59

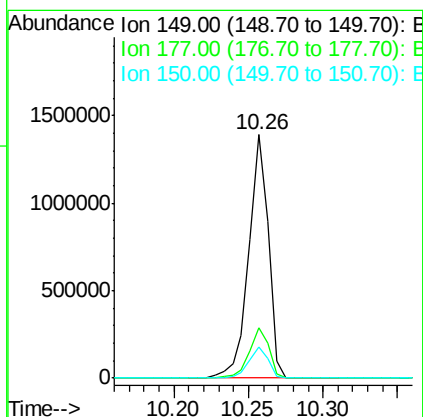
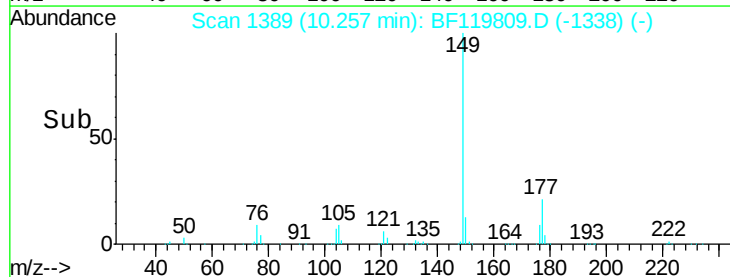
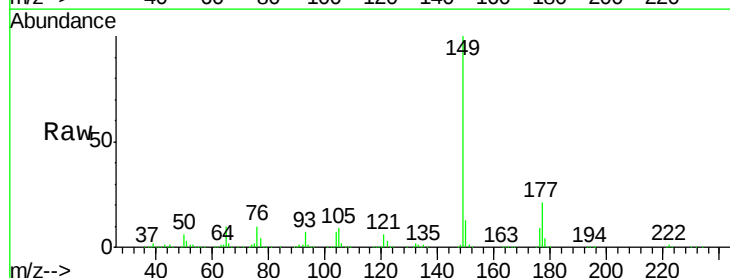
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-2E-(7-9)MSD

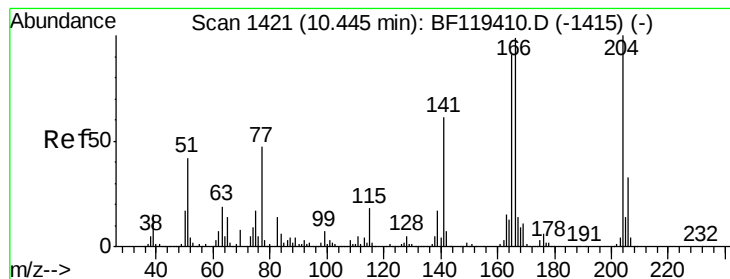
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 232   | Resp: | 318355 |
| Ion      | Ratio | Lower | Upper  |
| 232      | 100   |       |        |
| 131      | 45.8  | 37.5  | 56.3   |
| 130      | 2.1   | 1.8   | 2.6    |
| 166      | 31.2  | 24.6  | 36.8   |



#60  
 Diethylphthalate  
 Concen: 54.63 ng  
 RT: 10.26 min Scan# 1389  
 Delta R.T. 0.00 min  
 Lab File: BF119809.D  
 Acq: 7 Apr 2020 8:59

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 149   | Resp: | 1256513 |
| Ion      | Ratio | Lower | Upper   |
| 149      | 100   |       |         |
| 177      | 20.8  | 17.0  | 25.6    |
| 150      | 12.5  | 10.1  | 15.1    |





#61

4-Chlorophenyl-phenylether

Concen: 53.42 ng

RT: 10.37 min Scan# 1409

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA\_F

ClientSampleId :

SB-2E-(7-9)MSD

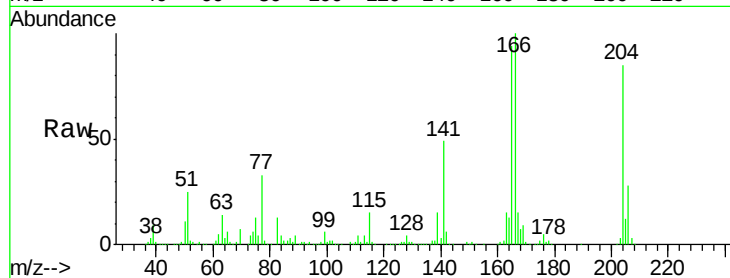
Tgt Ion:204 Resp: 551894

Ion Ratio Lower Upper

204 100

206 33.1 26.7 40.1

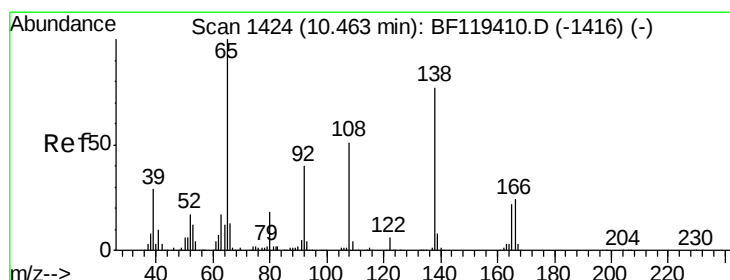
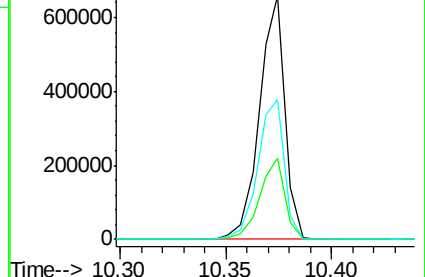
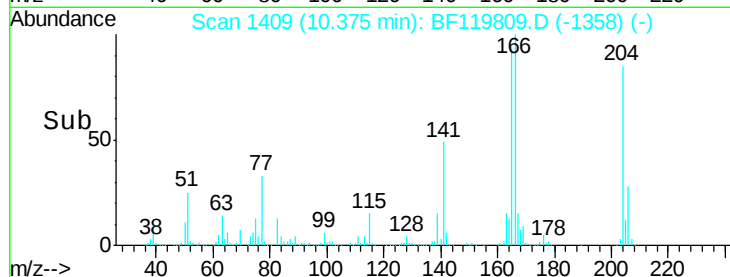
141 57.4 47.3 70.9



Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62

4-Nitroaniline

Concen: 45.39 ng

RT: 10.40 min Scan# 1413

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

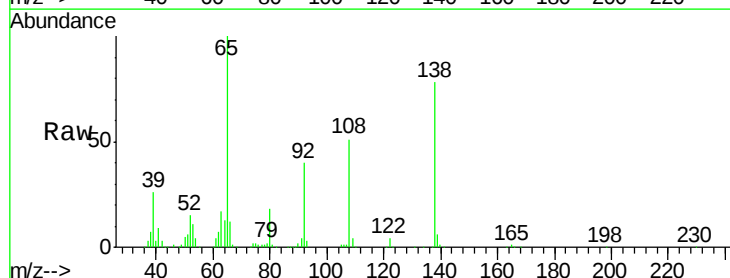
Tgt Ion:138 Resp: 266946

Ion Ratio Lower Upper

138 100

92 51.7 31.5 71.5

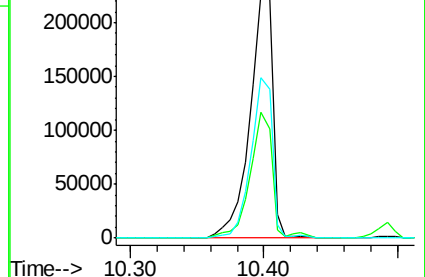
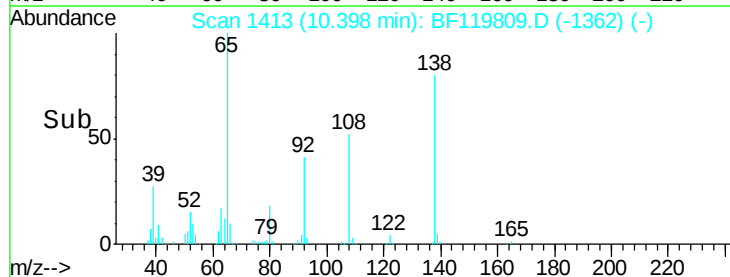
108 66.0 45.8 85.8

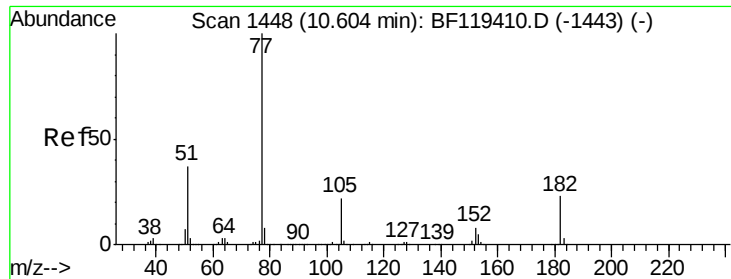


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 51.30 ng

RT: 10.53 min Scan# 1436

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA\_F

ClientSampleId :

SB-2E-(7-9)MSD

Tgt Ion: 77 Resp: 1188344

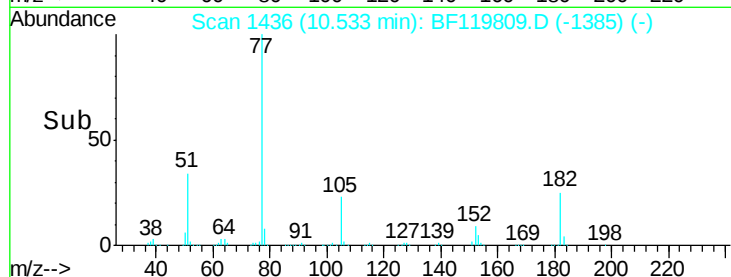
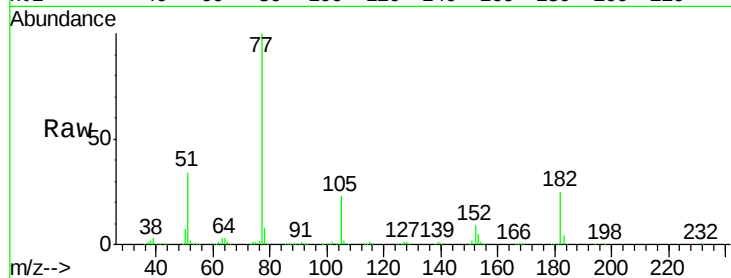
Ion Ratio Lower Upper

77 100

182 25.4 4.4 44.4

105 23.0 2.6 42.6

51 33.5 15.1 55.1

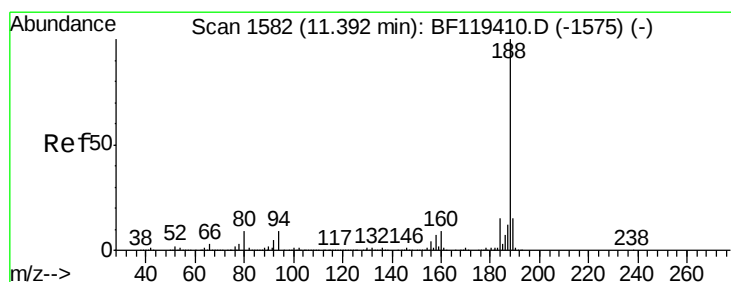
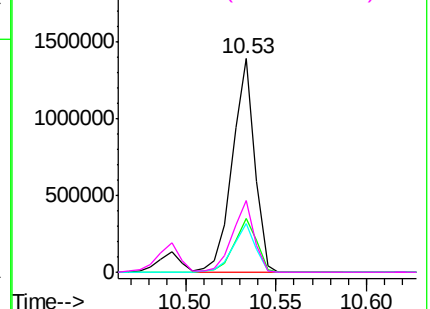


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

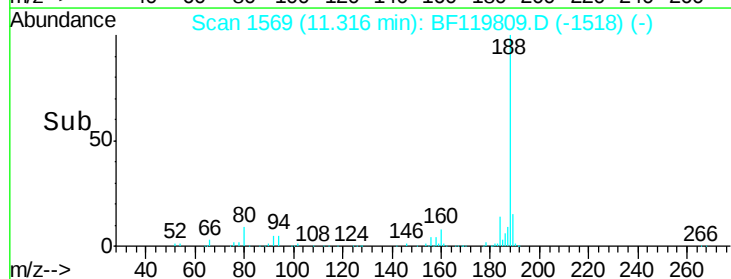
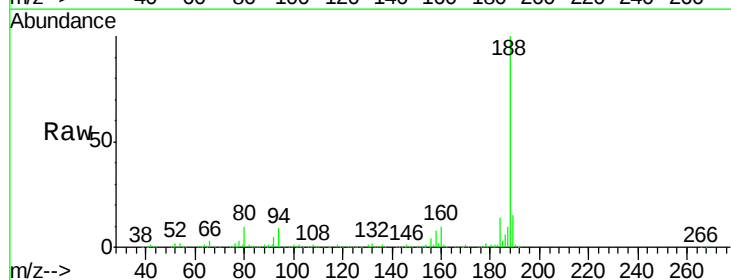
Tgt Ion: 188 Resp: 611523

Ion Ratio Lower Upper

188 100

94 8.9 7.5 11.3

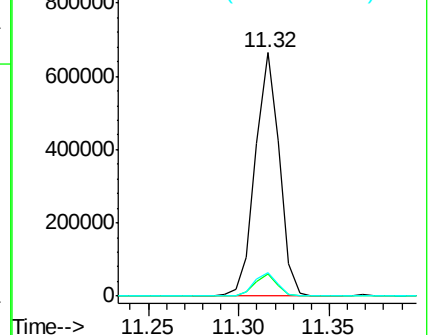
80 9.5 9.0 13.4



Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

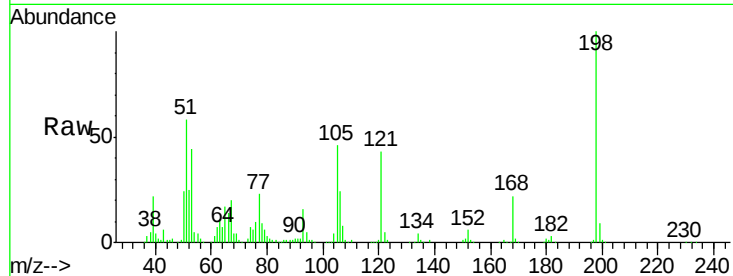




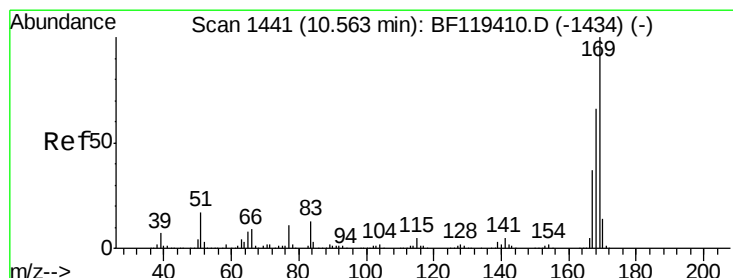
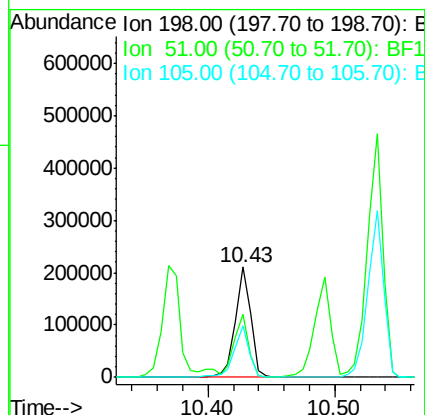
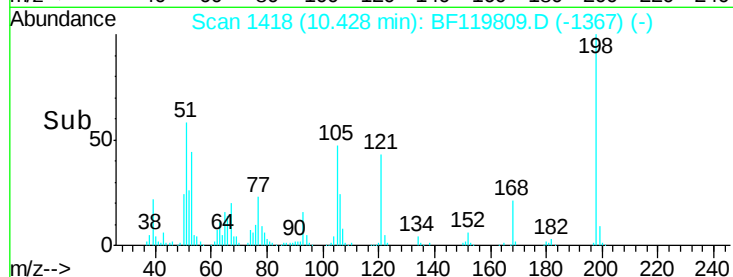
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 68.55 ng  
 RT: 10.43 min Scan# 1418  
 Delta R.T. 0.00 min  
 Lab File: BF119809.D  
 Acq: 7 Apr 2020 8:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-2E-(7-9)MSD

Tgt Ion:198 Resp: 175784  
 Ion Ratio Lower Upper  
 198 100  
 51 57.7 29.0 69.0  
 105 46.4 22.2 62.2

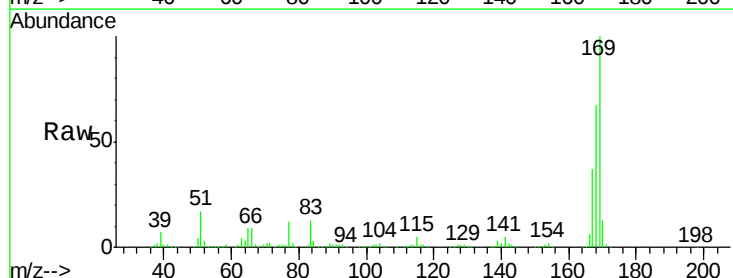


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF1  
 Ion 105.00 (104.70 to 105.70): E

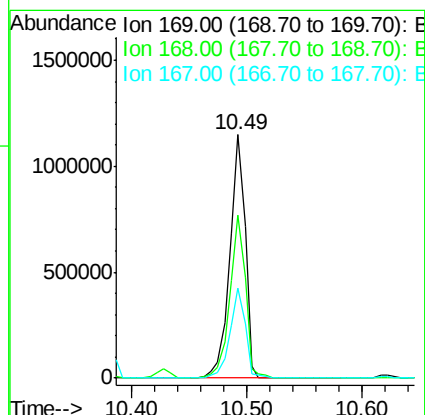
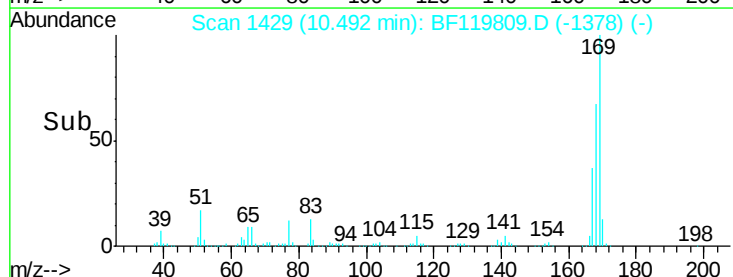


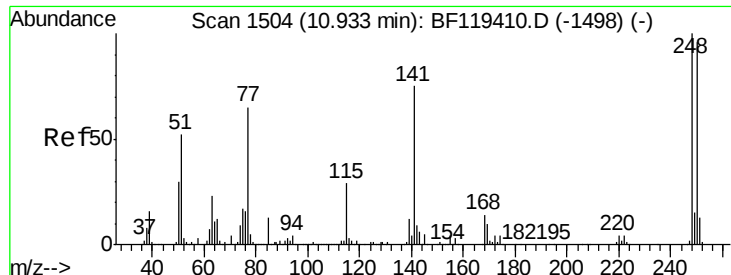
#66  
 n-Nitrosodiphenylamine  
 Concen: 52.63 ng  
 RT: 10.49 min Scan# 1429  
 Delta R.T. 0.00 min  
 Lab File: BF119809.D  
 Acq: 7 Apr 2020 8:59

Tgt Ion:169 Resp: 1056545  
 Ion Ratio Lower Upper  
 169 100  
 168 67.1 53.2 79.8  
 167 36.8 29.1 43.7



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

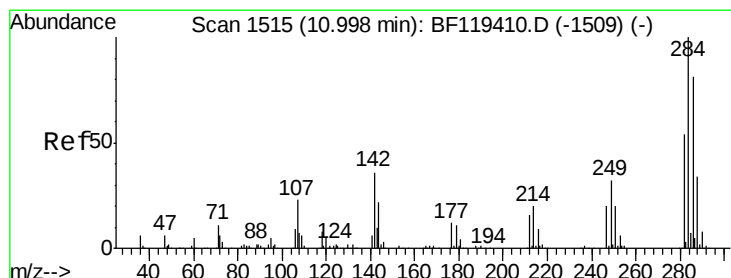
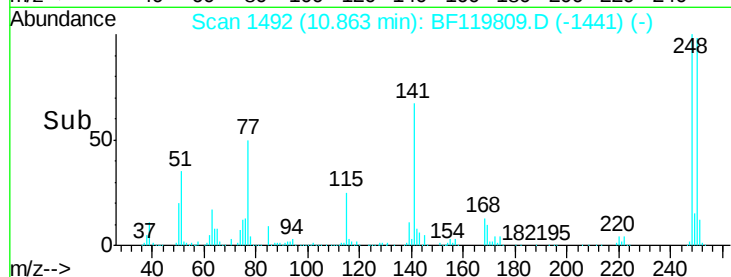
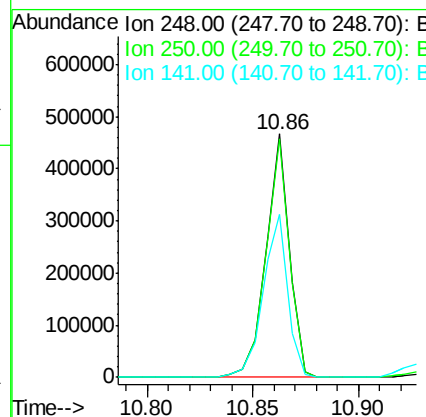
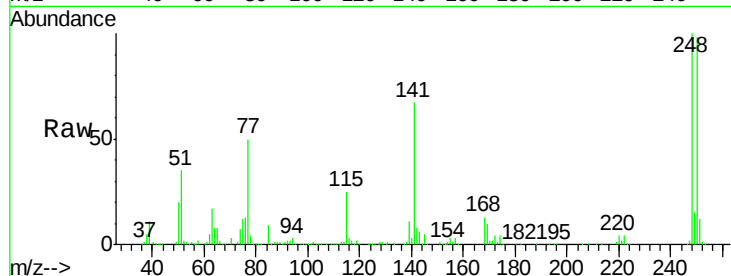




#67  
 4-Bromophenyl-phenylether  
 Concen: 52.00 ng  
 RT: 10.86 min Scan# 1492  
 Delta R.T. 0.00 min  
 Lab File: BF119809.D  
 Acq: 7 Apr 2020 8:59

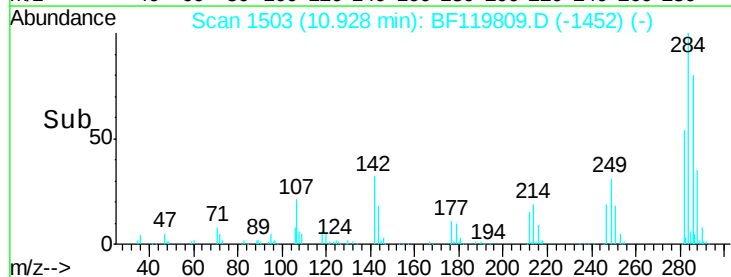
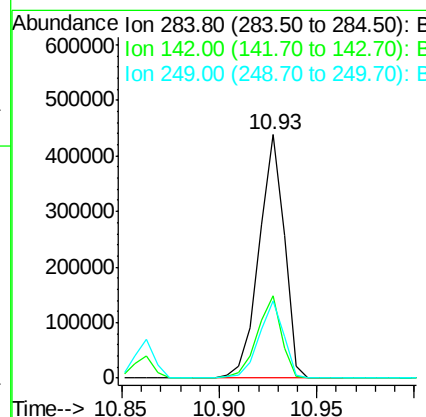
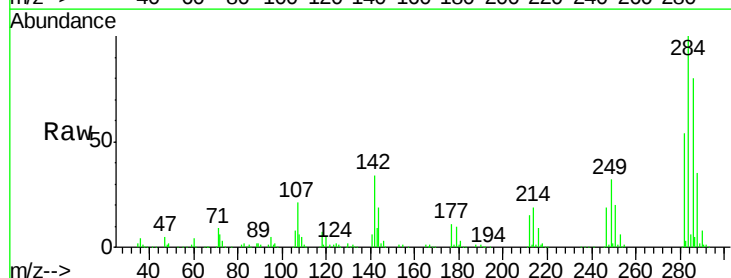
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-2E-(7-9)MSD

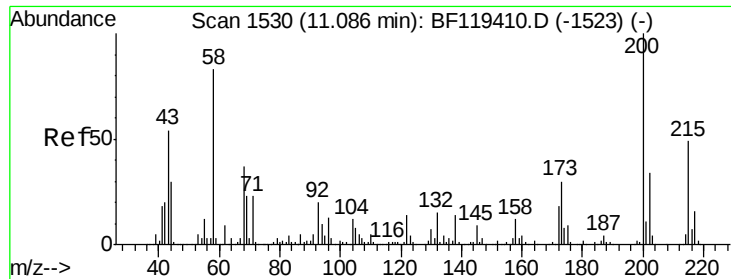
Tgt Ion:248 Resp: 362131  
 Ion Ratio Lower Upper  
 248 100  
 250 98.1 77.3 115.9  
 141 67.2 58.6 87.8



#68  
 Hexachlorobenzene  
 Concen: 55.13 ng  
 RT: 10.93 min Scan# 1503  
 Delta R.T. 0.00 min  
 Lab File: BF119809.D  
 Acq: 7 Apr 2020 8:59

Tgt Ion:284 Resp: 392986  
 Ion Ratio Lower Upper  
 284 100  
 142 33.7 29.2 43.8  
 249 31.6 25.1 37.7

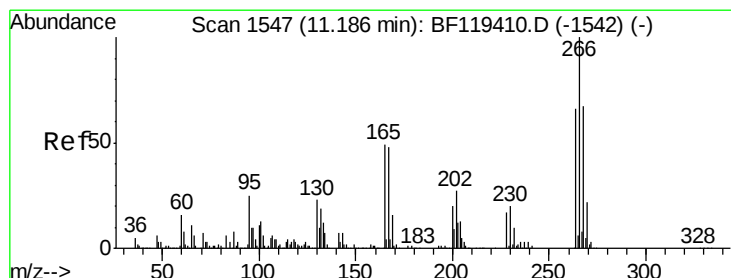
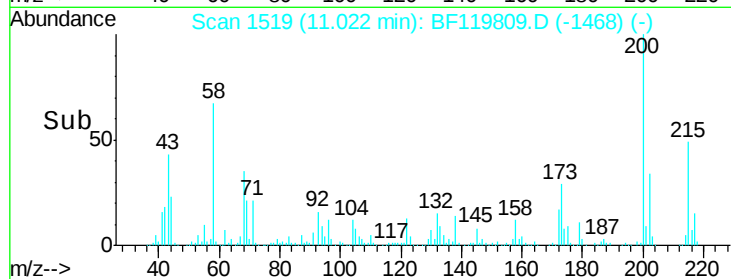
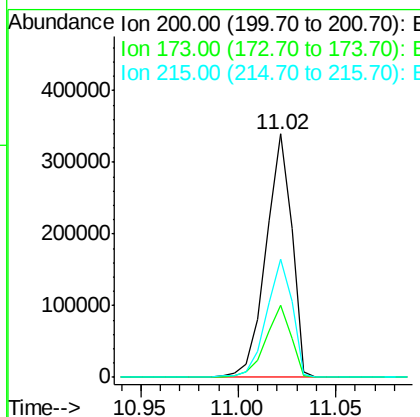
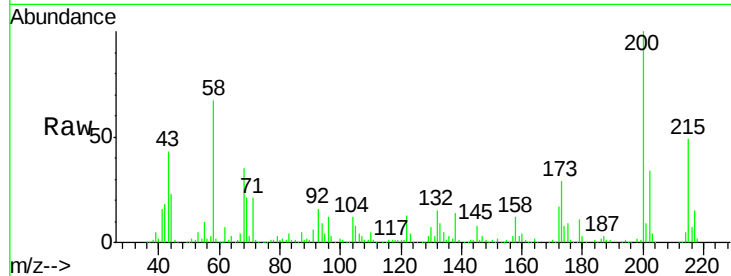




#69  
 Atrazine  
 Concen: 56.70 ng  
 RT: 11.02 min Scan# 1519  
 Delta R.T. 0.00 min  
 Lab File: BF119809.D  
 Acq: 7 Apr 2020 8:59

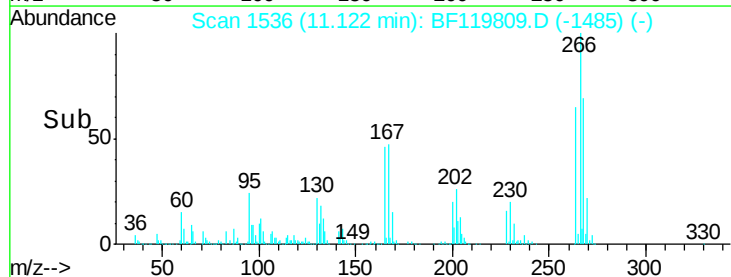
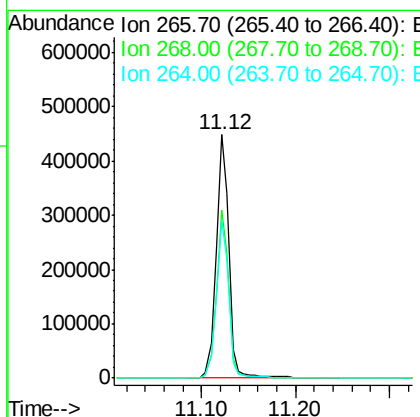
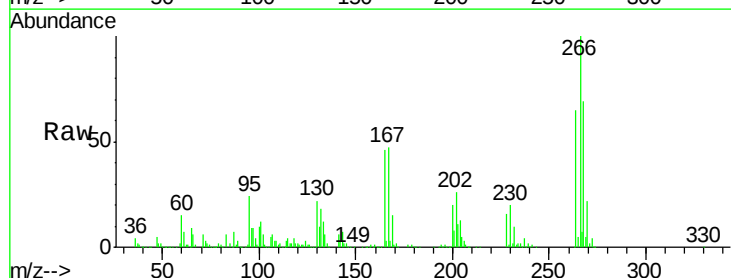
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-2E-(7-9)MSD

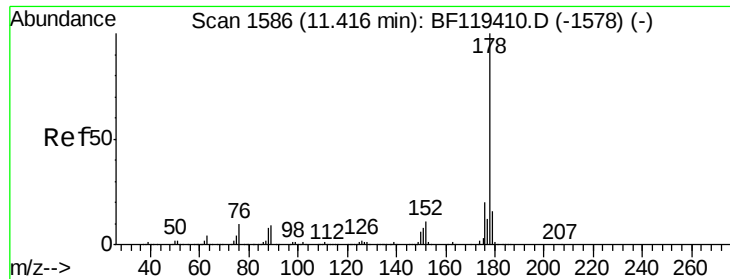
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 29.4  | 9.3   | 49.3  |
| 215     | 48.5  | 29.5  | 69.5  |



#70  
 Pentachlorophenol  
 Concen: 102.73 ng  
 RT: 11.12 min Scan# 1536  
 Delta R.T. 0.00 min  
 Lab File: BF119809.D  
 Acq: 7 Apr 2020 8:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 69.0  | 53.3  | 79.9  |
| 264     | 65.1  | 49.0  | 73.4  |





#71

Phenanthrene

Concen: 52.44 ng

RT: 11.35 min Scan# 1574

Delta R.T. 0.01 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

Instrument :

BNA\_F

ClientSampleId :

SB-2E-(7-9)MSD

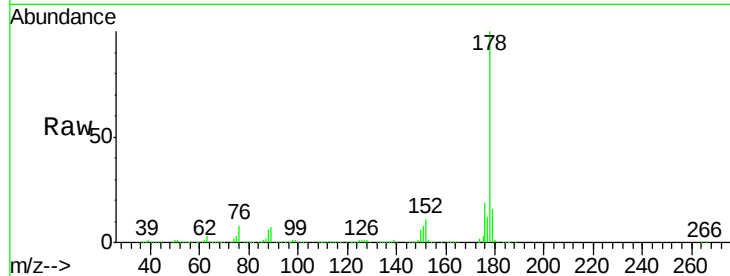
Tgt Ion:178 Resp: 1662918

Ion Ratio Lower Upper

178 100

176 19.4 16.2 24.4

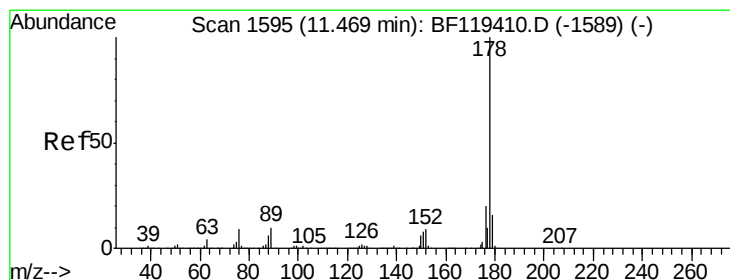
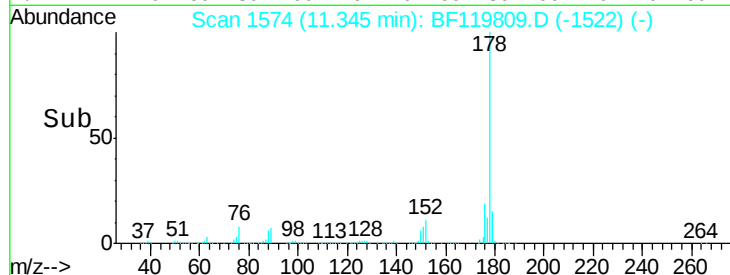
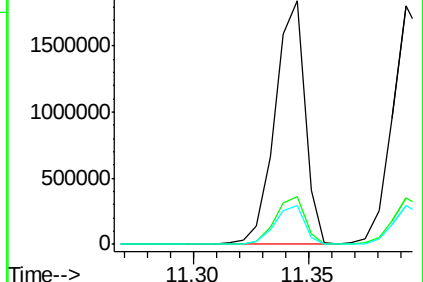
179 15.8 13.2 19.8



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



#72

Anthracene

Concen: 53.73 ng

RT: 11.39 min Scan# 1582

Delta R.T. 0.00 min

Lab File: BF119809.D

Acq: 7 Apr 2020 8:59

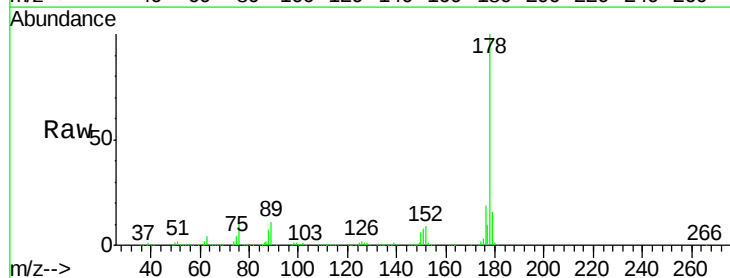
Tgt Ion:178 Resp: 1731549

Ion Ratio Lower Upper

178 100

176 19.2 16.1 24.1

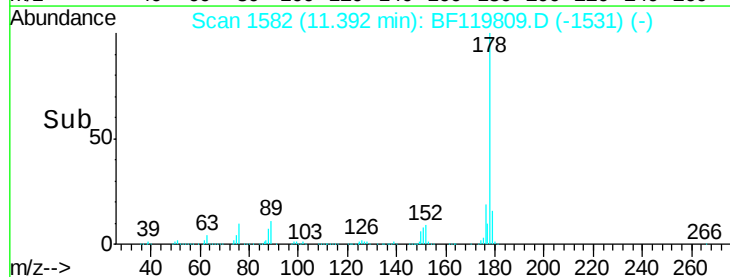
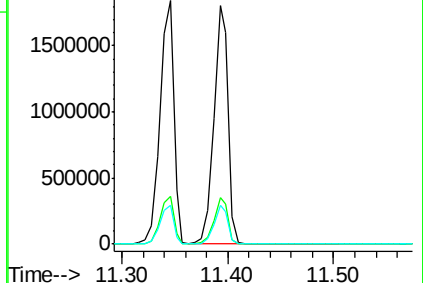
179 16.4 13.0 19.4

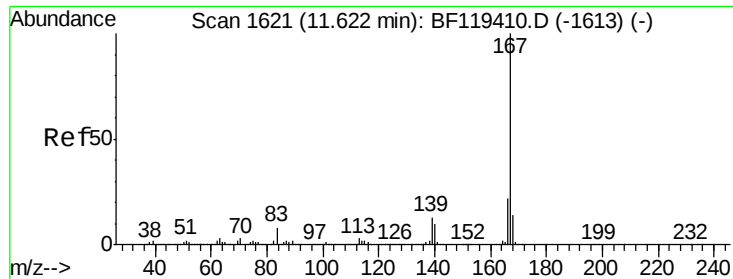


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

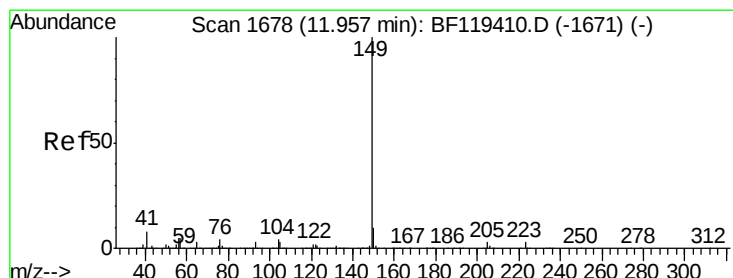
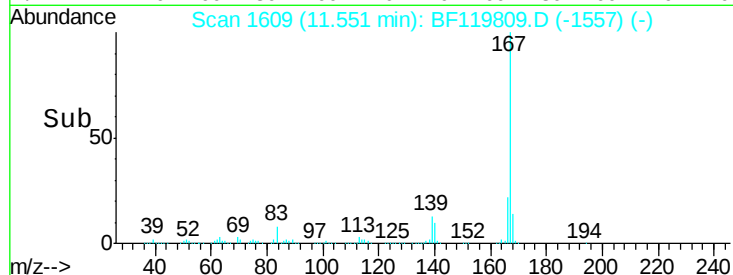
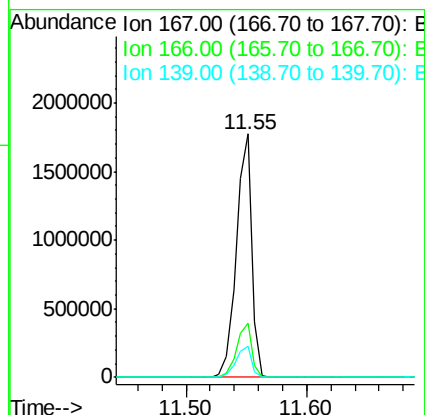
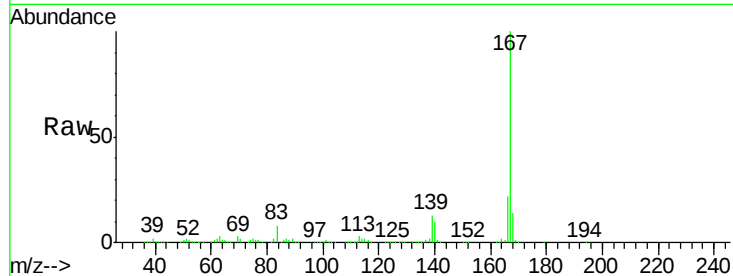




#73  
 Carbazole  
 Concen: 49.61 ng  
 RT: 11.55 min Scan# 1609  
 Delta R.T. 0.01 min  
 Lab File: BF119809.D  
 Acq: 7 Apr 2020 8:59

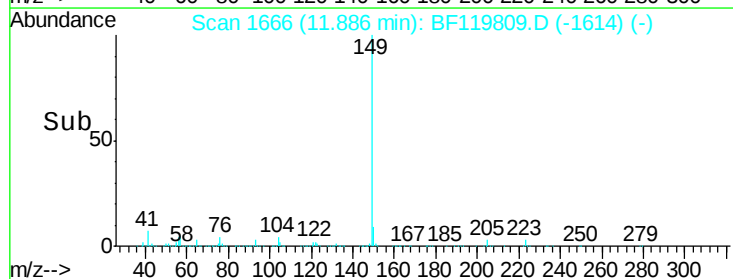
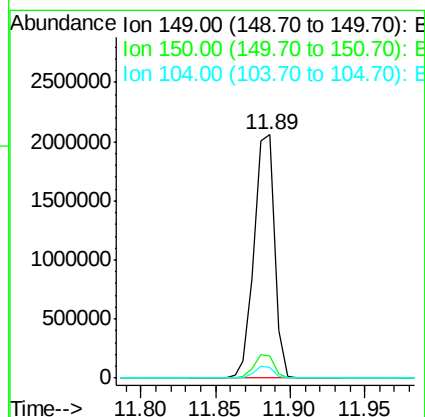
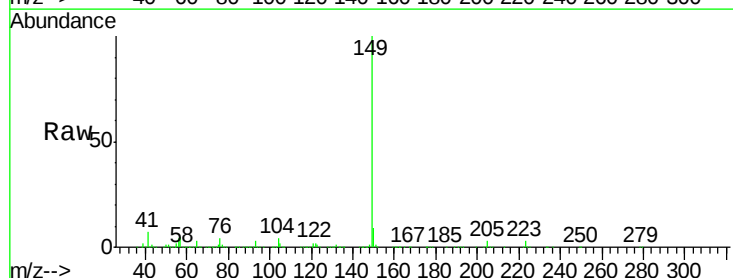
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-2E-(7-9)MSD

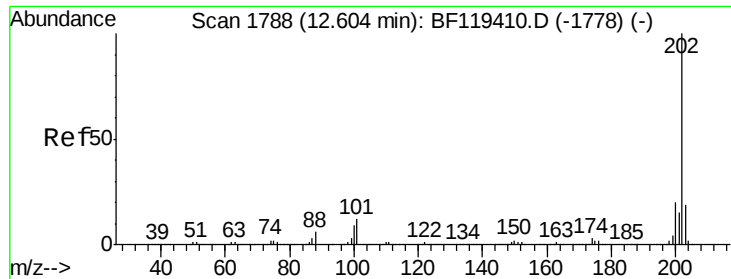
Tgt Ion:167 Resp: 1582443  
 Ion Ratio Lower Upper  
 167 100  
 166 22.3 18.2 27.4  
 139 12.8 10.7 16.1



#74  
 Di-n-butylphthalate  
 Concen: 56.92 ng  
 RT: 11.89 min Scan# 1666  
 Delta R.T. 0.01 min  
 Lab File: BF119809.D  
 Acq: 7 Apr 2020 8:59

Tgt Ion:149 Resp: 1942149  
 Ion Ratio Lower Upper  
 149 100  
 150 9.4 7.8 11.8  
 104 4.2 3.6 5.4

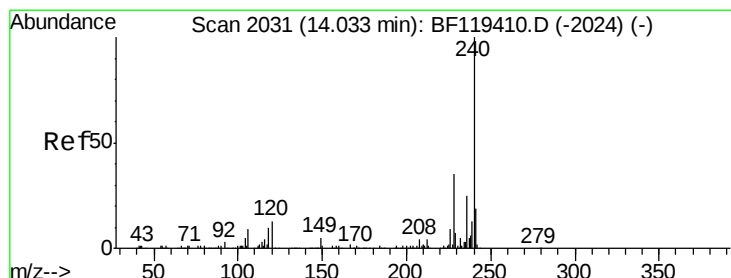
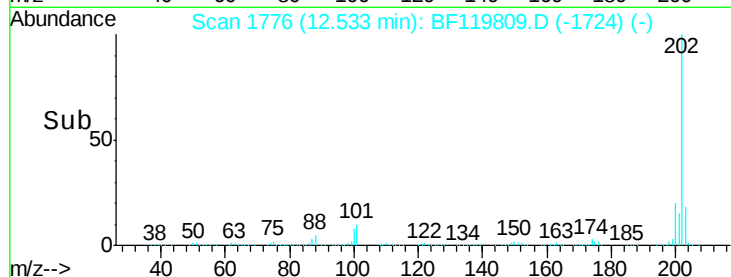
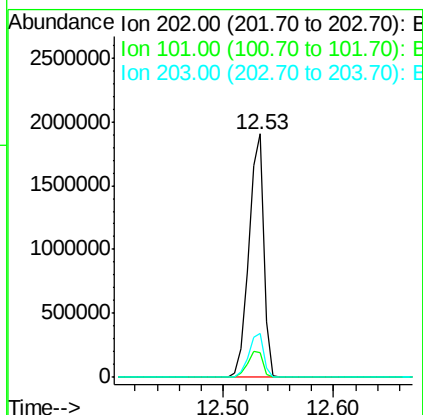
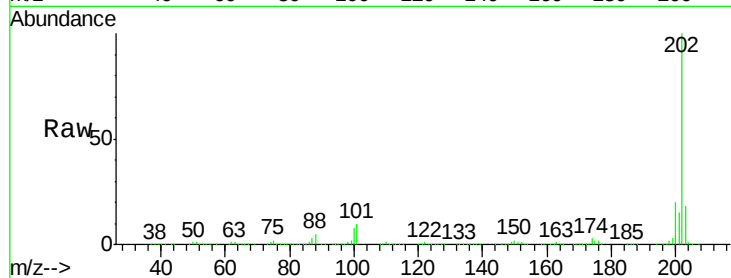




#75  
 Fluoranthene  
 Concen: 52.63 ng  
 RT: 12.53 min Scan# 1776  
 Delta R.T. 0.01 min  
 Lab File: BF119809.D  
 Acq: 7 Apr 2020 8:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-2E-(7-9)MSD

Tgt Ion:202 Resp: 1806129  
 Ion Ratio Lower Upper  
 202 100  
 101 10.4 0.0 32.2  
 203 18.3 0.0 38.8



#76  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 13.96 min Scan# 2019  
 Delta R.T. 0.01 min  
 Lab File: BF119809.D  
 Acq: 7 Apr 2020 8:59

Tgt Ion:240 Resp: 444667  
 Ion Ratio Lower Upper  
 240 100  
 120 8.9 10.6 15.8#  
 236 25.7 20.2 30.2

