

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM082119\  
 Data File : BM022222.D  
 Acq On : 21 Aug 2019 10:49  
 Operator : HP/JU  
 Sample : K4264-21MS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 REACTOR-3-C1-C4-(3)MS

Quant Time: Aug 21 14:16:08 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM082019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 20 02:18:05 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.57  | 152  | 35724    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.34 | 136  | 133309   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.22 | 164  | 76767    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 16.99 | 188  | 142772   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.19 | 240  | 127481   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 23.39 | 264  | 142352   | 20.00 | ng    | -0.01    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.19  | 112  | 213401   | 106.45 | ng    | 0.00     |
| 7) Phenol-d6                | 6.76  | 99   | 278273   | 104.24 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.74  | 82   | 203303   | 74.17  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.73 | 330  | 124165   | 99.93  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.83 | 172  | 404339   | 65.79  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.63 | 244  | 492713   | 56.32  | ng    | 0.00     |

| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 2) 1,4-Dioxane                 | 3.18  | 88   | 32830    | 39.086 | ng    | # 85   |
| 3) Pyridine                    | 3.56  | 79   | 76459    | 35.931 | ng    | # 84   |
| 4) n-Nitrosodimethylamine      | 3.49  | 42   | 59673    | 46.808 | ng    | # 56   |
| 6) Aniline                     | 6.92  | 93   | 87177    | 24.390 | ng    | 92     |
| 8) 2-Chlorophenol              | 7.14  | 128  | 106441   | 44.593 | ng    | 96     |
| 9) Benzaldehyde                | 6.74  | 77   | 48747    | 28.814 | ng    | 92     |
| 10) Phenol                     | 6.79  | 94   | 125878   | 44.538 | ng    | 80     |
| 11) bis(2-Chloroethyl)ether    | 7.02  | 93   | 88964    | 39.791 | ng    | 96     |
| 12) 1,3-Dichlorobenzene        | 7.45  | 146  | 117446   | 40.369 | ng    | # 91   |
| 13) 1,4-Dichlorobenzene        | 7.60  | 146  | 118051   | 39.968 | ng    | 95     |
| 14) 1,2-Dichlorobenzene        | 7.91  | 146  | 115114   | 40.017 | ng    | 98     |
| 15) Benzyl Alcohol             | 7.83  | 79   | 102363   | 43.618 | ng    | 92     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.09  | 45   | 118077   | 38.117 | ng    | 97     |
| 17) 2-Methylphenol             | 8.02  | 107  | 84204    | 41.770 | ng    | # 90   |
| 18) Hexachloroethane           | 8.62  | 117  | 51717    | 40.331 | ng    | 95     |
| 19) n-Nitroso-di-n-propylamine | 8.38  | 70   | 80876    | 38.460 | ng    | # 86   |
| 20) 3+4-Methylphenols          | 8.35  | 107  | 110638   | 40.638 | ng    | 94     |
| 22) Acetophenone               | 8.40  | 105  | 153307   | 44.828 | ng    | # 89   |
| 24) Nitrobenzene               | 8.78  | 77   | 128024   | 45.621 | ng    | 90     |
| 25) Isophorone                 | 9.30  | 82   | 210674   | 43.311 | ng    | # 97   |
| 26) 2-Nitrophenol              | 9.48  | 139  | 55163    | 46.407 | ng    | # 72   |
| 27) 2,4-Dimethylphenol         | 9.54  | 122  | 91467    | 51.050 | ng    | 89     |
| 28) bis(2-Chloroethoxy)methane | 9.77  | 93   | 125007   | 43.440 | ng    | 98     |
| 29) 2,4-Dichlorophenol         | 10.00 | 162  | 100380   | 46.427 | ng    | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.20 | 180  | 118429   | 44.468 | ng    | 99     |
| 31) Naphthalene                | 10.39 | 128  | 309986   | 44.772 | ng    | 99     |
| 32) Benzoic acid               | 9.72  | 122  | 54054    | 35.341 | ng    | 91     |
| 33) 4-Chloroaniline            | 10.54 | 127  | 22104    | 7.628  | ng    | # 92   |
| 34) Hexachlorobutadiene        | 10.65 | 225  | 102897   | 45.029 | ng    | 97     |
| 35) Caprolactam                | 11.36 | 113  | 9523     | 16.385 | ng    | # 82   |
| 36) 4-Chloro-3-methylphenol    | 11.66 | 107  | 99430    | 43.507 | ng    | 96     |
| 37) 2-Methylnaphthalene        | 12.02 | 142  | 225514   | 44.562 | ng    | # 93   |
| 38) 1-Methylnaphthalene        | 12.24 | 142  | 209658   | 43.372 | ng    | # 98   |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.39 | 216  | 155163   | 51.636 | ng    | 98     |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM082119\  
 Data File : BM022222.D  
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 Operator : HP/JU  
 Sample : K4264-21MS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 REACTOR-3-C1-C4-(3)MS

Quant Time: Aug 21 14:16:08 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM082019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 20 02:18:05 2019  
 Response via : Initial Calibration

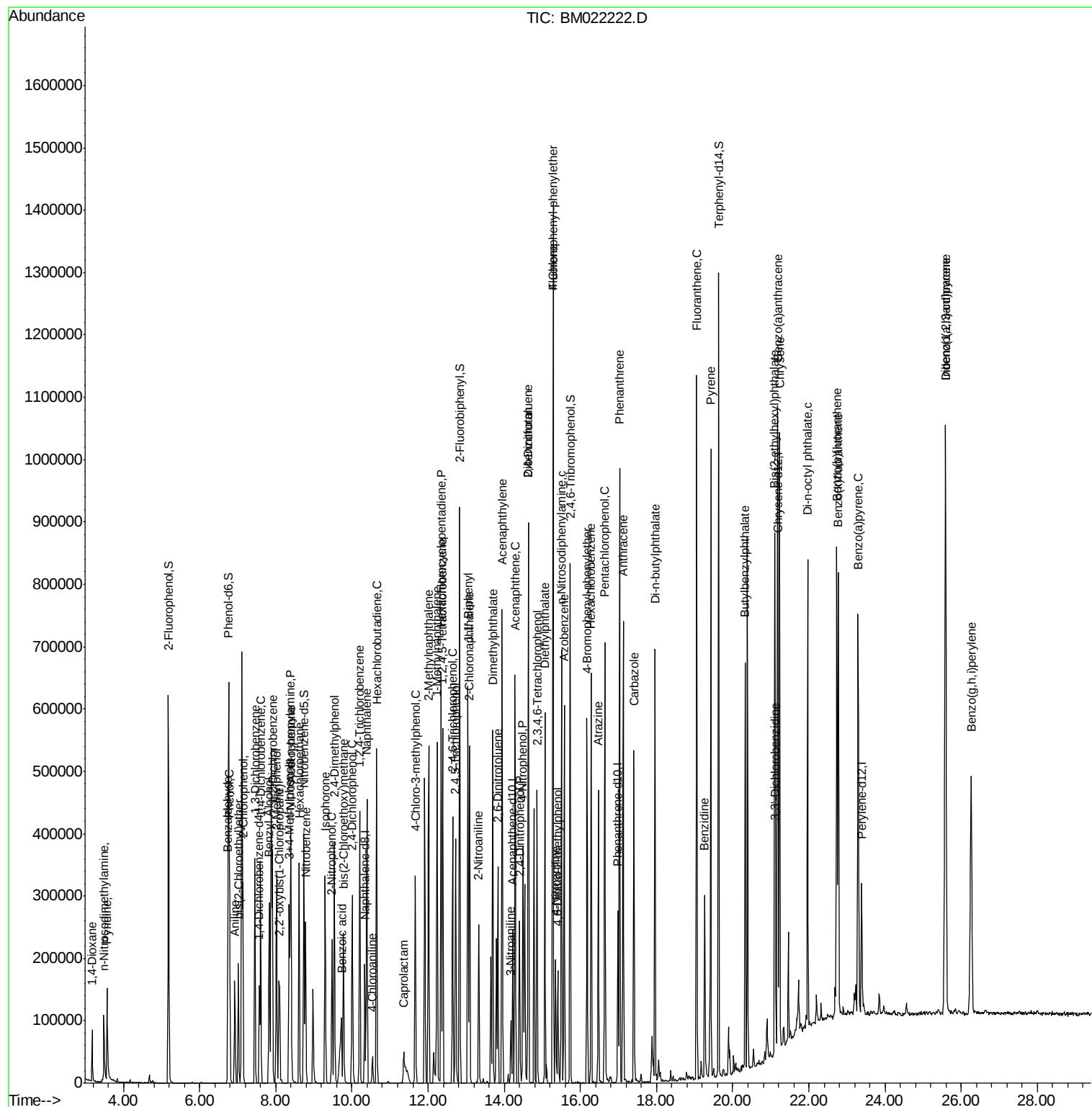
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.34 | 237  | 167943   | 93.384 | ng    | 96       |
| 43) 2,4,6-Trichlorophenol      | 12.65 | 196  | 86036    | 47.763 | ng    | 93       |
| 44) 2,4,5-Trichlorophenol      | 12.72 | 196  | 87104    | 47.638 | ng #  | 91       |
| 46) 1,1'-Biphenyl              | 13.05 | 154  | 288549   | 47.795 | ng    | 97       |
| 47) 2-Chloronaphthalene        | 13.09 | 162  | 228545   | 45.998 | ng    | 95       |
| 48) 2-Nitroaniline             | 13.33 | 65   | 65865    | 41.938 | ng #  | 83       |
| 49) Acenaphthylene             | 13.95 | 152  | 350735   | 46.021 | ng    | 99       |
| 50) Dimethylphthalate          | 13.70 | 163  | 326937   | 50.655 | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 13.83 | 165  | 57894    | 45.422 | ng #  | 61       |
| 52) Acenaphthene               | 14.29 | 154  | 208128   | 46.829 | ng    | 96       |
| 53) 3-Nitroaniline             | 14.17 | 138  | 22666    | 17.857 | ng    | 98       |
| 54) 2,4-Dinitrophenol          | 14.40 | 184  | 51779    | 71.869 | ng #  | 68       |
| 55) Dibenzofuran               | 14.63 | 168  | 345134   | 46.733 | ng #  | 90       |
| 56) 4-Nitrophenol              | 14.49 | 139  | 81257    | 96.051 | ng #  | 53       |
| 57) 2,4-Dinitrotoluene         | 14.64 | 165  | 77878    | 42.561 | ng #  | 57       |
| 58) Fluorene                   | 15.28 | 166  | 278006   | 44.653 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.86 | 232  | 84110    | 46.139 | ng #  | 94       |
| 60) Diethylphthalate           | 15.07 | 149  | 290281   | 42.651 | ng    | 97       |
| 61) 4-Chlorophenyl-phenylether | 15.28 | 204  | 169843   | 43.286 | ng    | 97       |
| 62) 4-Nitroaniline             | 15.35 | 138  | 41715    | 35.508 | ng #  | 51       |
| 63) Azobenzene                 | 15.57 | 77   | 292681   | 44.627 | ng    | 84       |
| 65) 4,6-Dinitro-2-methylphenol | 15.41 | 198  | 37819    | 41.970 | ng    | 92       |
| 66) n-Nitrosodiphenylamine     | 15.50 | 169  | 219681   | 47.987 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether  | 16.18 | 248  | 98435    | 46.527 | ng #  | 93       |
| 68) Hexachlorobenzene          | 16.28 | 284  | 106623   | 44.360 | ng #  | 83       |
| 69) Atrazine                   | 16.47 | 200  | 82212    | 54.231 | ng    | 97       |
| 70) Pentachlorophenol          | 16.64 | 266  | 113325   | 96.908 | ng    | 100      |
| 71) Phenanthrene               | 17.03 | 178  | 506209   | 61.140 | ng    | 99       |
| 72) Anthracene                 | 17.12 | 178  | 413587   | 50.322 | ng    | 99       |
| 73) Carbazole                  | 17.40 | 167  | 306991   | 44.763 | ng    | 98       |
| 74) Di-n-butylphthalate        | 17.96 | 149  | 440563   | 42.340 | ng #  | 98       |
| 75) Fluoranthene               | 19.06 | 202  | 604842   | 60.580 | ng    | 99       |
| 77) Benzidine                  | 19.26 | 184  | 163368   | 57.135 | ng    | 99       |
| 78) Pyrene                     | 19.42 | 202  | 568256   | 63.329 | ng    | 100      |
| 80) Butylbenzylphthalate       | 20.33 | 149  | 174732   | 43.537 | ng    | 88       |
| 81) Benzo(a)anthracene         | 21.18 | 228  | 470803   | 52.515 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.12 | 252  | 77233    | 24.708 | ng    | 98       |
| 83) Chrysene                   | 21.23 | 228  | 444112   | 51.316 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.10 | 149  | 259449   | 42.985 | ng    | 94       |
| 85) Di-n-octyl phthalate       | 21.97 | 149  | 413803   | 42.357 | ng #  | 93       |
| 86) Indeno(1,2,3-cd)pyrene     | 25.59 | 276  | 582093   | 60.045 | ng #  | 96       |
| 88) Benzo(b)fluoranthene       | 22.73 | 252  | 486768   | 51.211 | ng    | 99       |
| 89) Benzo(k)fluoranthene       | 22.77 | 252  | 419329   | 45.131 | ng    | 99       |
| 90) Benzo(a)pyrene             | 23.29 | 252  | 452891   | 52.319 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene     | 25.59 | 278  | 473939   | 51.527 | ng #  | 97       |
| 92) Benzo(g,h,i)perylene       | 26.26 | 276  | 456699   | 56.794 | ng    | 97       |

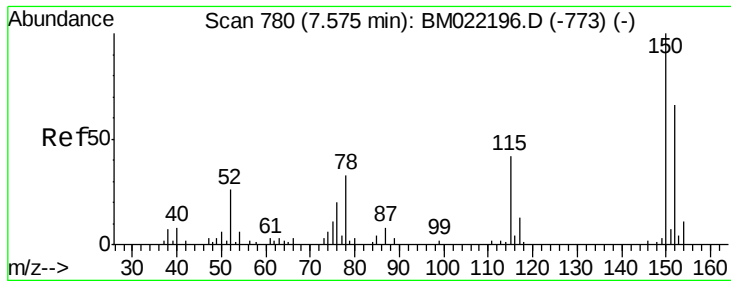
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM082119\  
Data File : BM02222.D  
Acq On : 21 Aug 2019 10:49  
Operator : HP/JU  
Sample : K4264-21MS  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
REACTOR-3-C1-C4-(3)MS

Quant Time: Aug 21 14:16:08 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM082019.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Aug 20 02:18:05 2019  
Response via : Initial Calibration

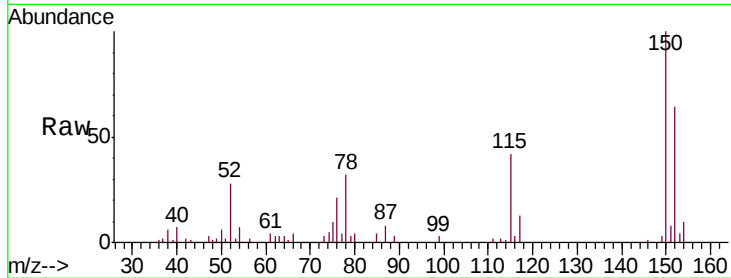




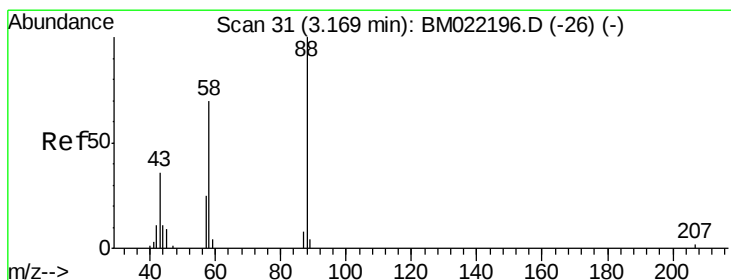
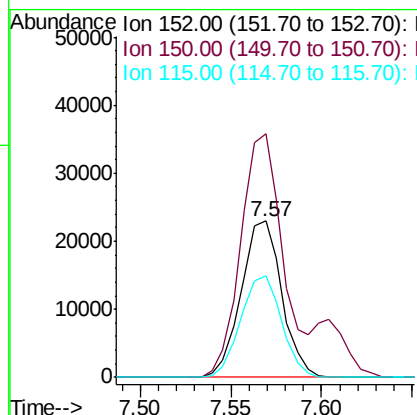
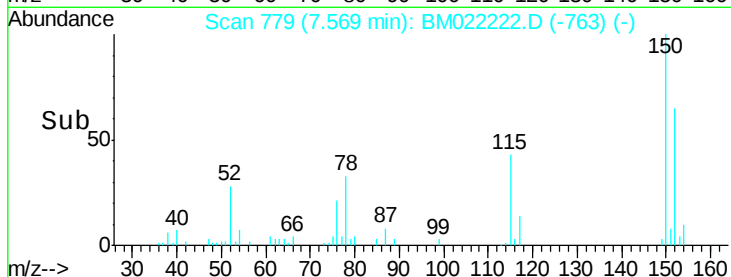
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.57 min Scan# 779  
 Delta R.T. -0.01 min  
 Lab File: BM022222.D  
 Acq: 21 Aug 2019 10:49

Instrument :  
 BNA\_M  
 ClientSampleId :  
 REACTOR-3-C1-C4-(3)MS

Tgt Ion:152 Resp: 35724  
 Ion Ratio Lower Upper  
 152 100  
 150 156.0 123.1 184.7  
 115 65.3 44.2 66.4

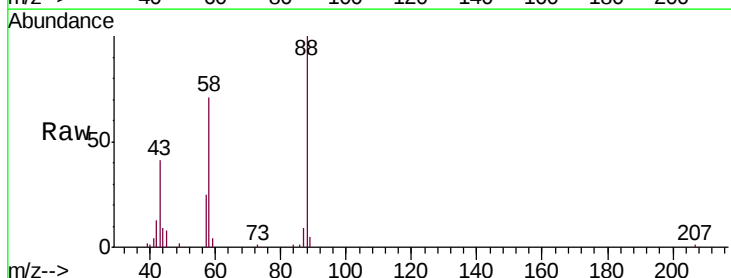


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

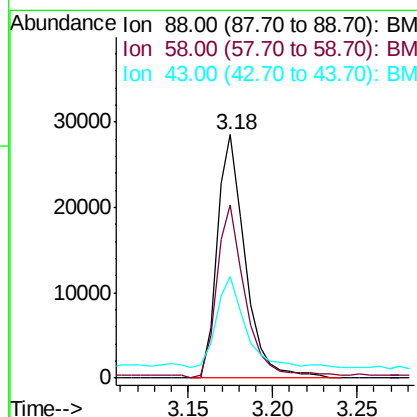
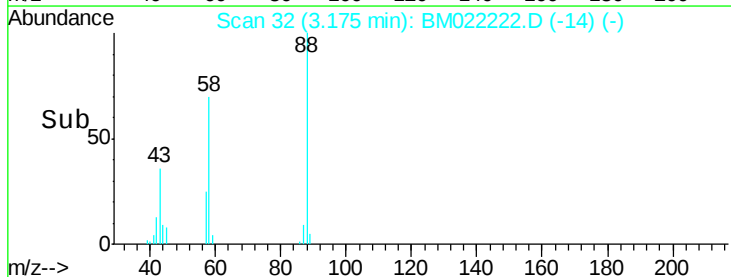


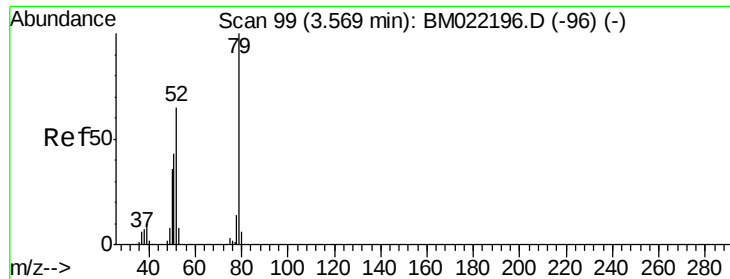
#2  
 1,4-Dioxane  
 Concen: 39.086 ng  
 RT: 3.18 min Scan# 32  
 Delta R.T. 0.01 min  
 Lab File: BM022222.D  
 Acq: 21 Aug 2019 10:49

Tgt Ion: 88 Resp: 32830  
 Ion Ratio Lower Upper  
 88 100  
 58 74.8 51.9 77.9  
 43 38.3 21.4 32.2#



Abundance Ion 88.00 (87.70 to 88.70): BM0  
 Ion 58.00 (57.70 to 58.70): BM0  
 Ion 43.00 (42.70 to 43.70): BM0





#3

Pyridine

Concen: 35.931 ng

RT: 3.56 min Scan# 98

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

Instrument :

BNA\_M

ClientSampleId :

REACTOR-3-C1-C4-(3)MS

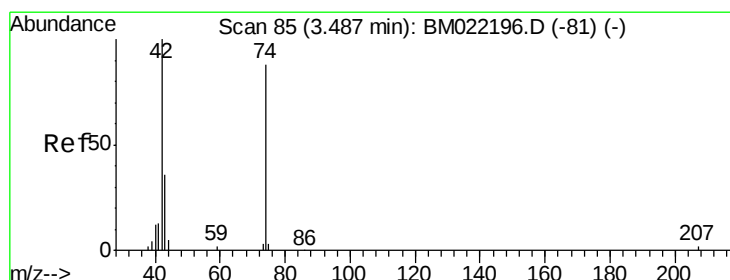
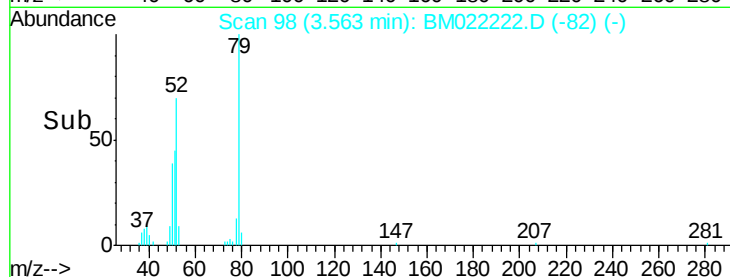
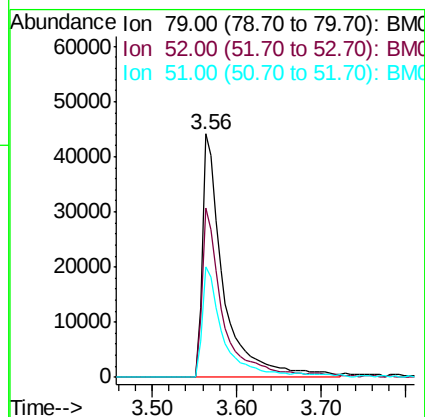
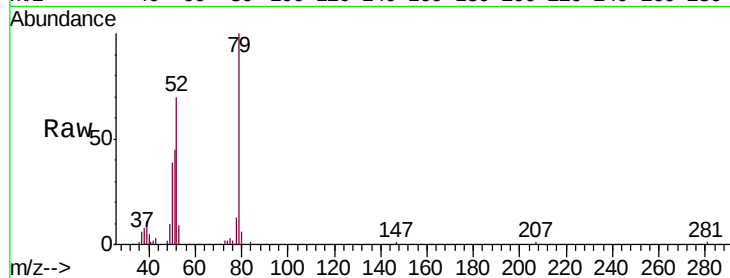
Tgt Ion: 79 Resp: 76459

Ion Ratio Lower Upper

79 100

52 69.8 48.8 73.2

51 45.1 25.7 38.5#



#4

n-Nitrosodimethylamine

Concen: 46.808 ng

RT: 3.49 min Scan# 85

Delta R.T. 0.00 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

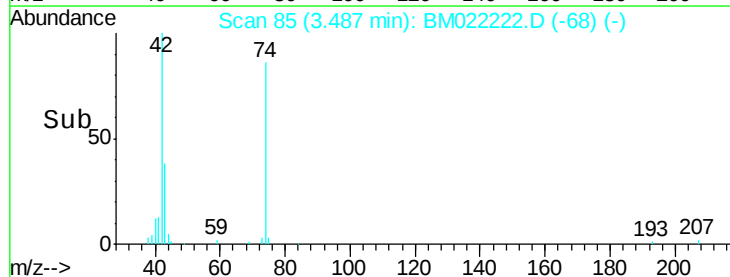
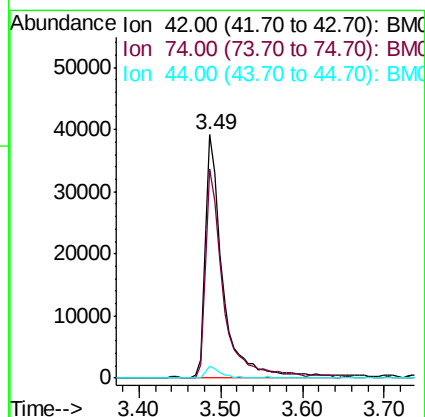
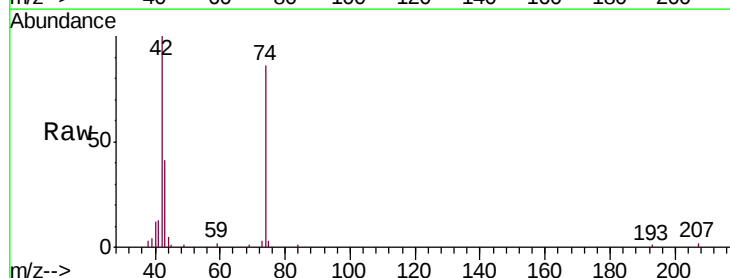
Tgt Ion: 42 Resp: 59673

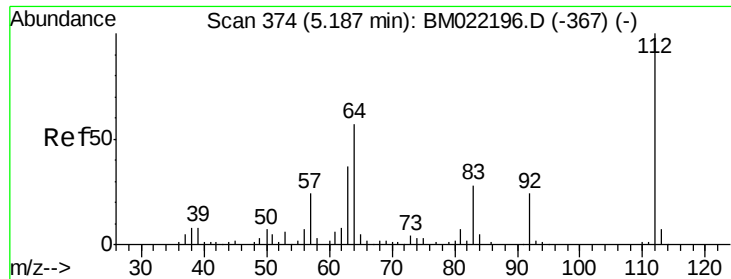
Ion Ratio Lower Upper

42 100

74 85.7 113.8 170.6#

44 4.8 8.2 12.2#





#5

2-Fluorophenol

Concen: 106.448 ng

RT: 5.19 min Scan# 374

Delta R.T. 0.00 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

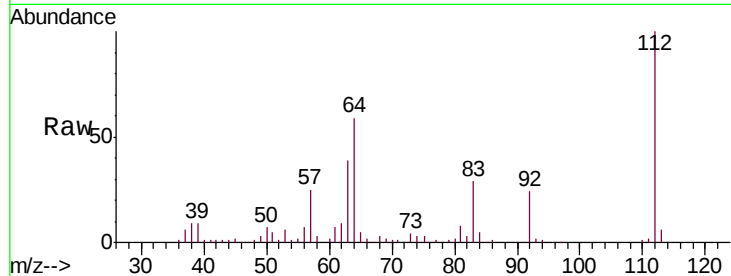
Instrument :

BNA\_M

ClientSampleId :

REACTOR-3-C1-C4-(3)MS

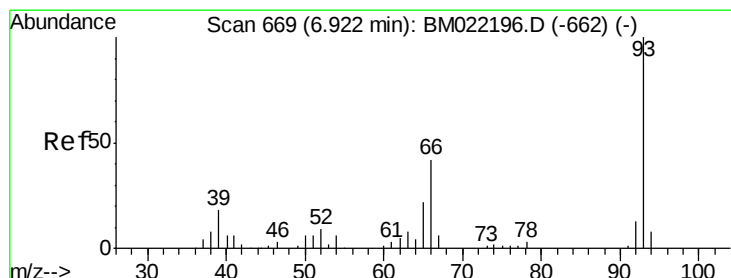
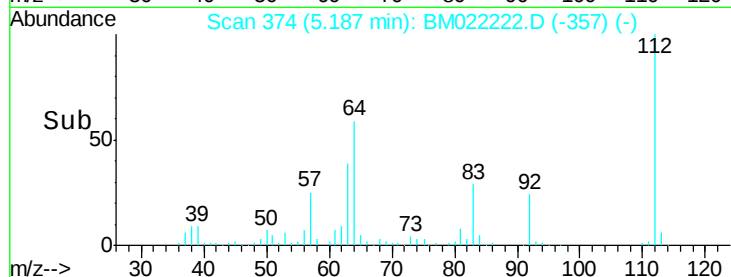
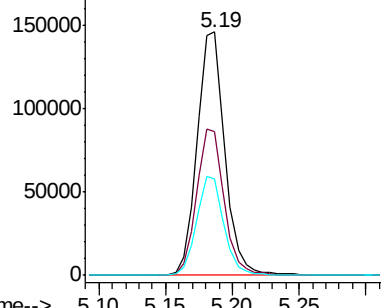
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 213401 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 64       | 58.9  | 45.2  | 67.8   |
| 63       | 39.4  | 23.5  | 35.3#  |



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#6

Aniline

Concen: 24.390 ng

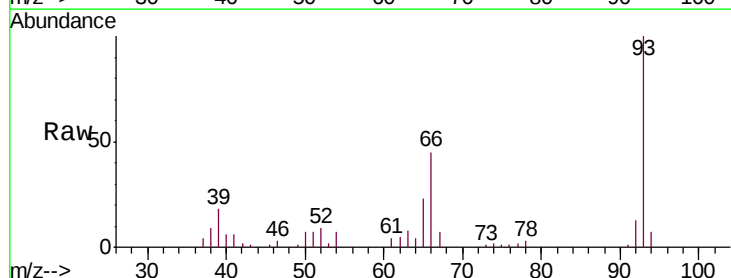
RT: 6.92 min Scan# 669

Delta R.T. 0.00 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

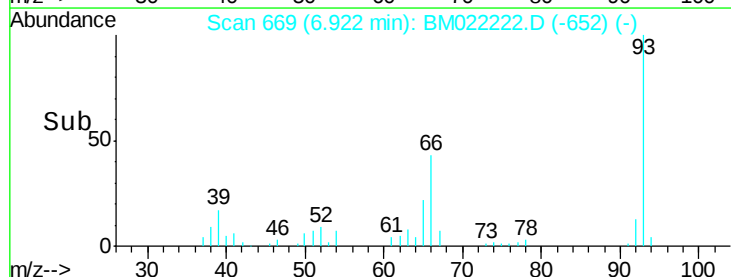
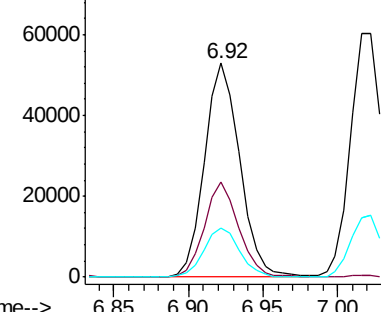
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 87177 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 66       | 44.7  | 31.3  | 46.9  |
| 65       | 23.1  | 15.9  | 23.9  |

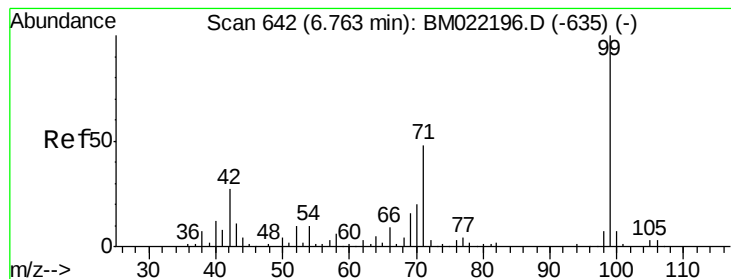


Abundance Ion 93.00 (92.70 to 93.70): BM

Ion 66.00 (65.70 to 66.70): BM

Ion 65.00 (64.70 to 65.70): BM





#7

Phenol-d6

Concen: 104.235 ng

RT: 6.76 min Scan# 642

Delta R.T. 0.00 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

Instrument :

BNA\_M

ClientSampleId :

REACTOR-3-C1-C4-(3)MS

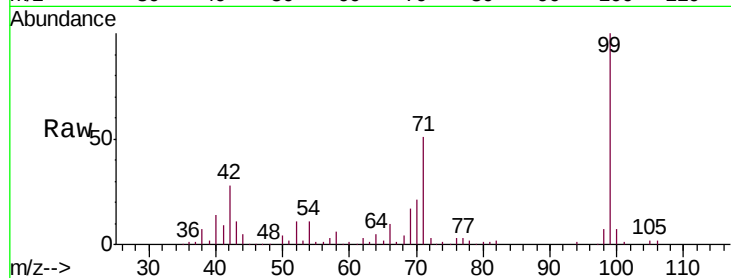
Tgt Ion: 99 Resp: 278273

Ion Ratio Lower Upper

99 100

42 27.7 13.5 20.3#

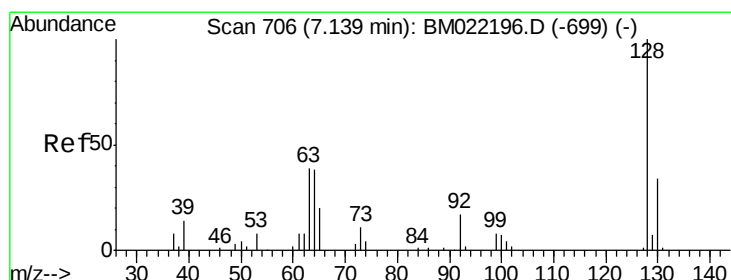
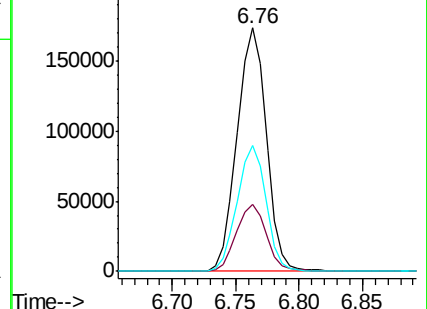
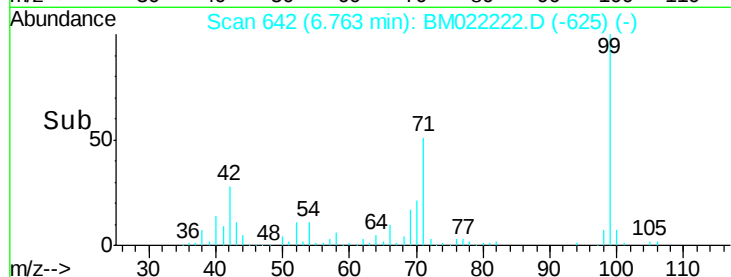
71 51.4 29.3 43.9#



Abundance Ion 99.00 (98.70 to 99.70): BM022222.D (-625) (-)

Ion 42.00 (41.70 to 42.70): BM022222.D (-625) (-)

Ion 71.00 (70.70 to 71.70): BM022222.D (-625) (-)



#8

2-Chlorophenol

Concen: 44.593 ng

RT: 7.14 min Scan# 706

Delta R.T. 0.00 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

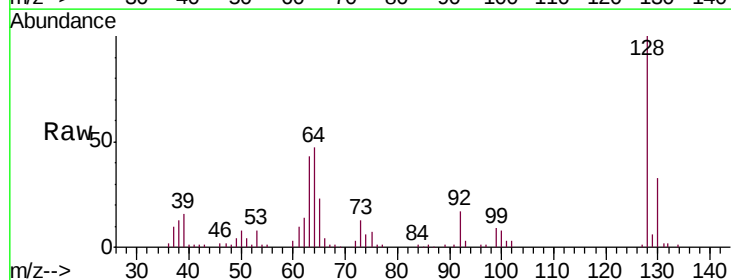
Tgt Ion: 128 Resp: 106441

Ion Ratio Lower Upper

128 100

130 33.2 12.2 52.2

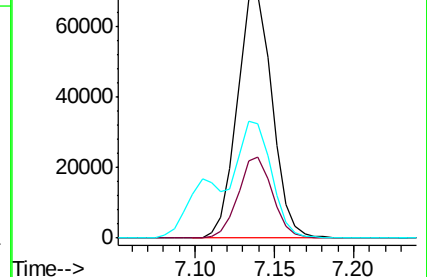
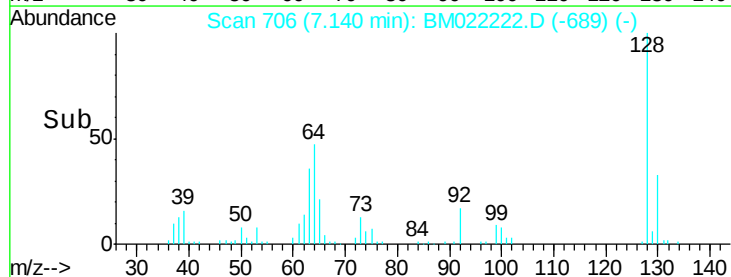
64 46.7 23.2 63.2

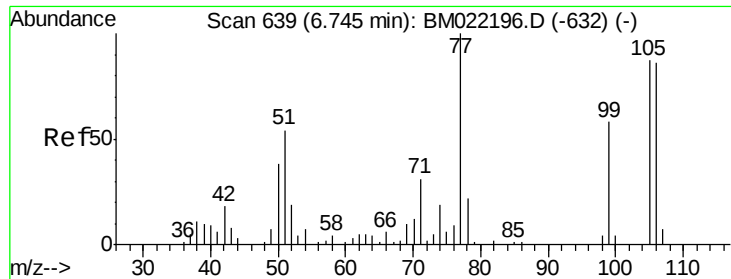


Abundance Ion 128.00 (127.70 to 128.70): BM022222.D (-689) (-)

Ion 130.00 (129.70 to 130.70): BM022222.D (-689) (-)

Ion 64.00 (63.70 to 64.70): BM022222.D (-689) (-)





#9

Benzaldehyde

Concen: 28.814 ng

RT: 6.74 min Scan# 638

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

Instrument :

BNA\_M

ClientSampleId :

REACTOR-3-C1-C4-(3)MS

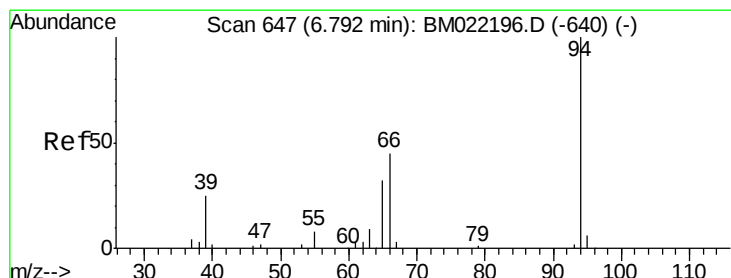
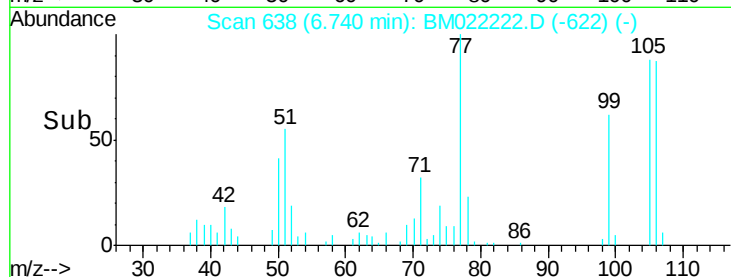
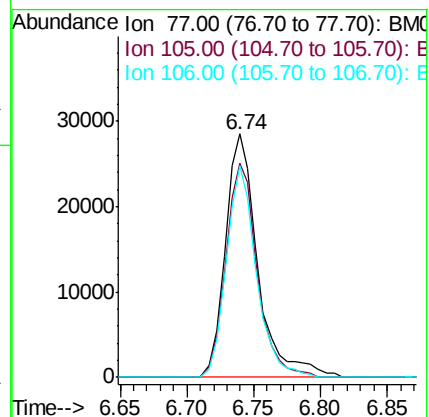
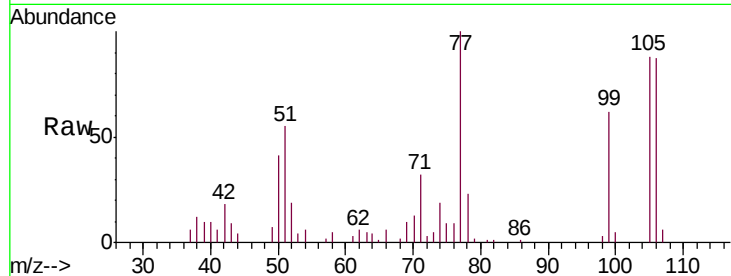
Tgt Ion: 77 Resp: 48747

Ion Ratio Lower Upper

77 100

105 87.7 77.8 117.8

106 87.1 71.8 111.8



#10

Phenol

Concen: 44.538 ng

RT: 6.79 min Scan# 646

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

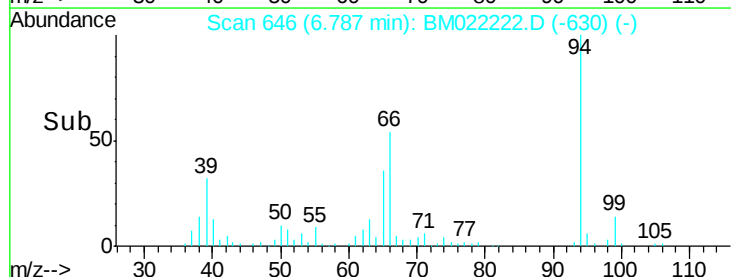
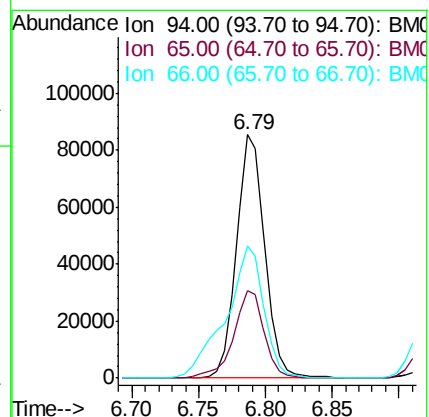
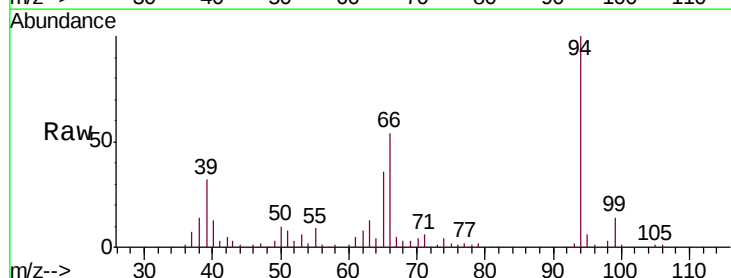
Tgt Ion: 94 Resp: 125878

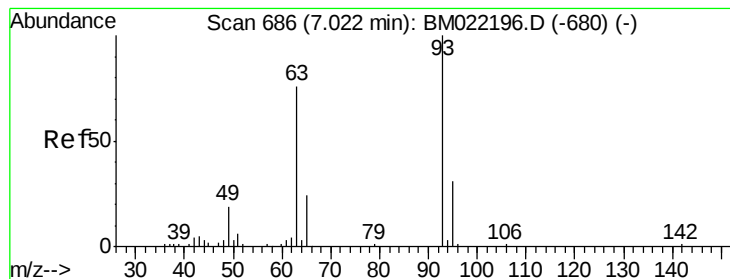
Ion Ratio Lower Upper

94 100

65 36.1 8.7 48.7

66 54.4 19.0 59.0





#11

bis(2-Chloroethyl)ether

Concen: 39.791 ng

RT: 7.02 min Scan# 686

Delta R.T. 0.00 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

Instrument :

BNA\_M

ClientSampleId :

REACTOR-3-C1-C4-(3)MS

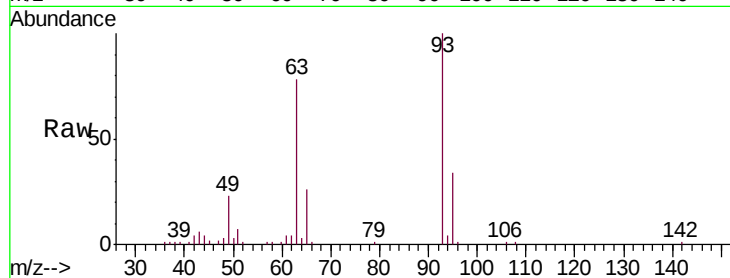
Tgt Ion: 93 Resp: 88964

Ion Ratio Lower Upper

93 100

63 78.0 53.4 93.4

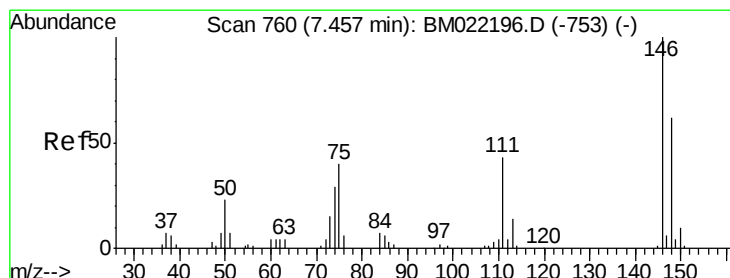
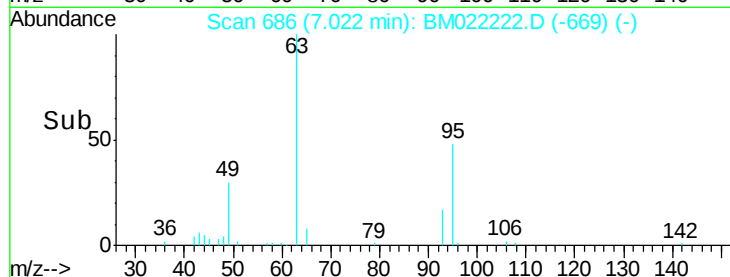
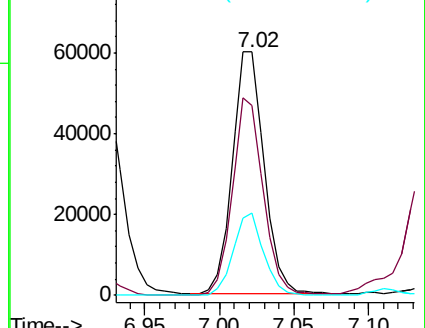
95 33.6 13.0 53.0



Abundance Ion 93.00 (92.70 to 93.70): BM022222.D (-669) (-)

Ion 63.00 (62.70 to 63.70): BM022222.D (-669) (-)

Ion 95.00 (94.70 to 95.70): BM022222.D (-669) (-)



#12

1,3-Dichlorobenzene

Concen: 40.369 ng

RT: 7.45 min Scan# 759

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

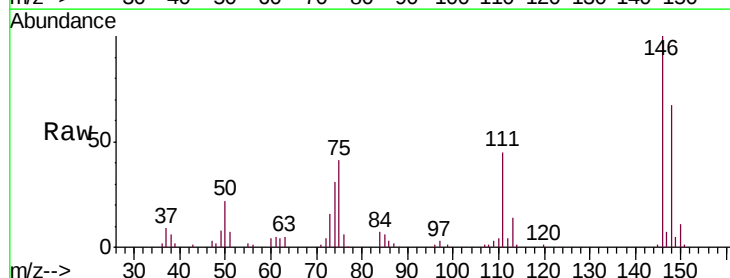
Tgt Ion: 146 Resp: 117446

Ion Ratio Lower Upper

146 100

148 66.6 52.2 78.2

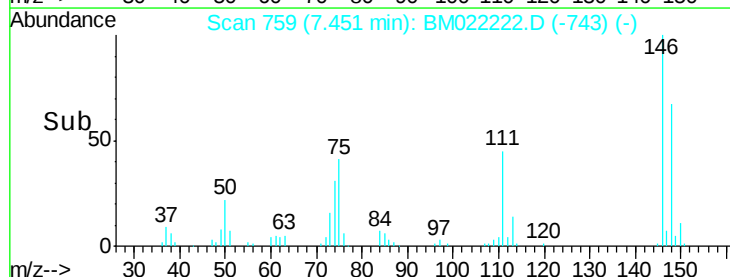
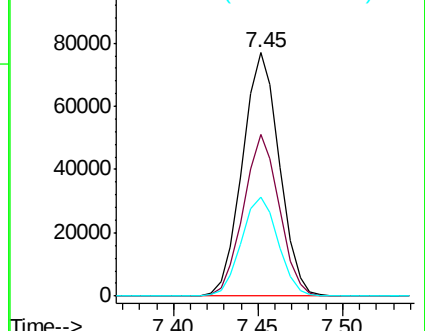
75 40.7 22.2 33.4#

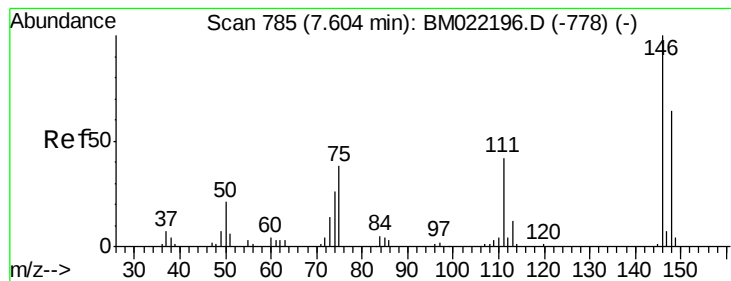


Abundance Ion 146.00 (145.70 to 146.70): BM022222.D (-743) (-)

Ion 148.00 (147.70 to 148.70): BM022222.D (-743) (-)

Ion 75.00 (74.70 to 75.70): BM022222.D (-743) (-)





#13

1,4-Dichlorobenzene

Concen: 39.968 ng

RT: 7.60 min Scan# 785

Delta R.T. 0.00 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

Instrument :

BNA\_M

ClientSampleId :

REACTOR-3-C1-C4-(3)MS

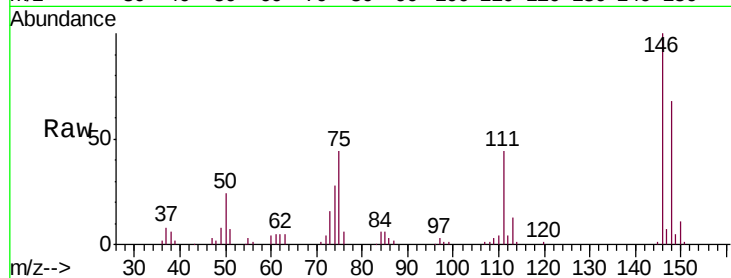
Tgt Ion:146 Resp: 118051

Ion Ratio Lower Upper

146 100

148 67.7 51.9 77.9

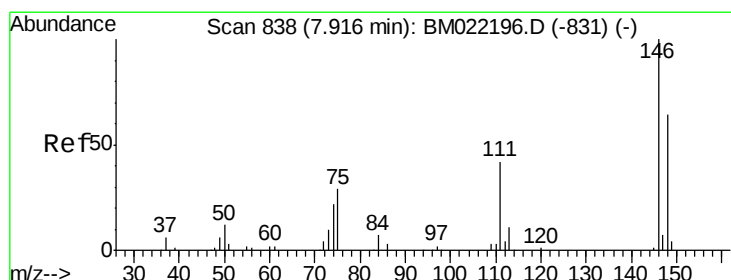
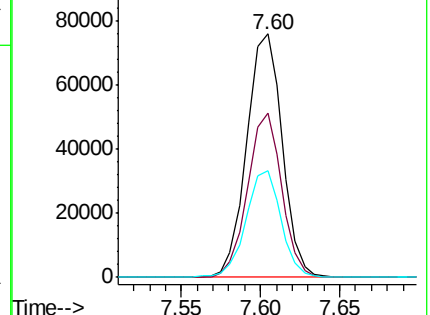
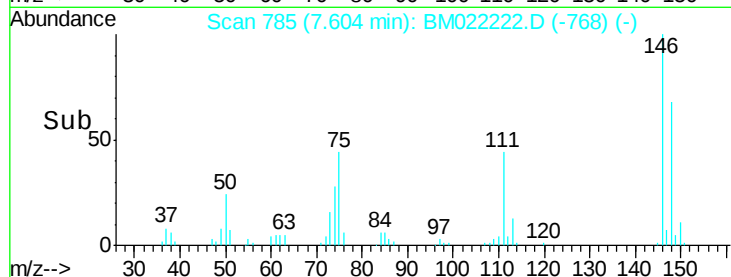
111 44.1 31.4 47.0



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: 40.017 ng

RT: 7.91 min Scan# 837

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

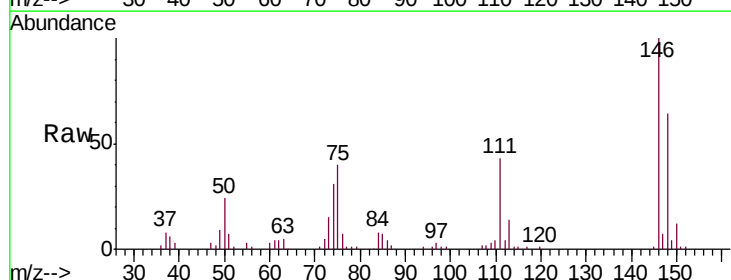
Tgt Ion:146 Resp: 115114

Ion Ratio Lower Upper

146 100

148 64.3 51.2 76.8

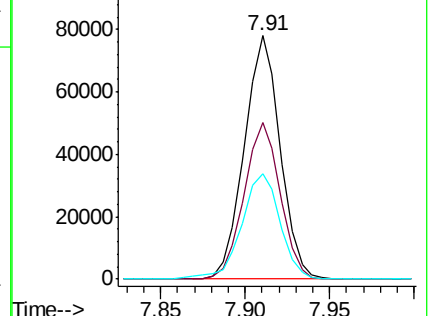
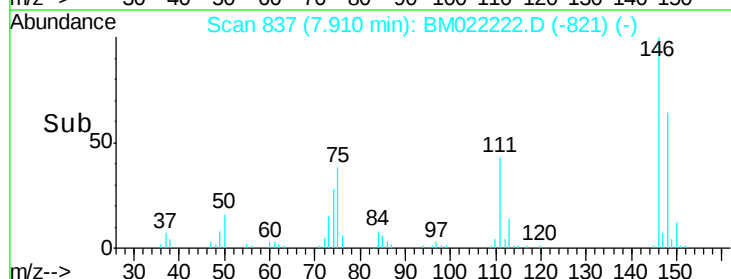
111 43.2 32.8 49.2

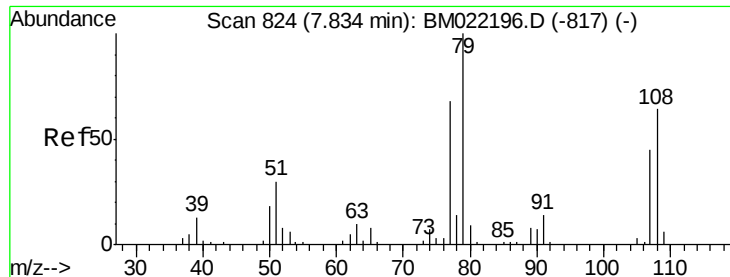


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 43.618 ng

RT: 7.83 min Scan# 823

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

Instrument :

BNA\_M

ClientSampleId :

REACTOR-3-C1-C4-(3)MS

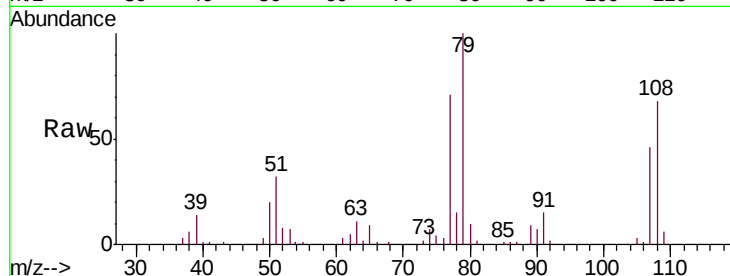
Tgt Ion: 79 Resp: 102363

Ion Ratio Lower Upper

79 100

108 68.4 58.4 87.6

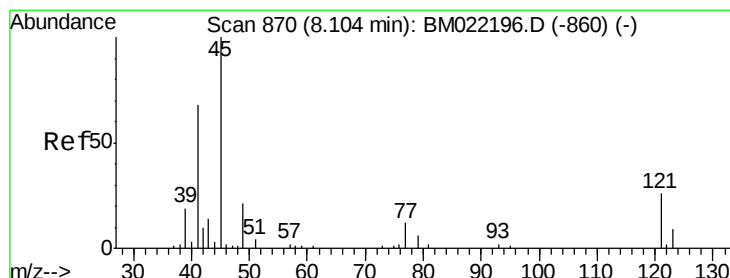
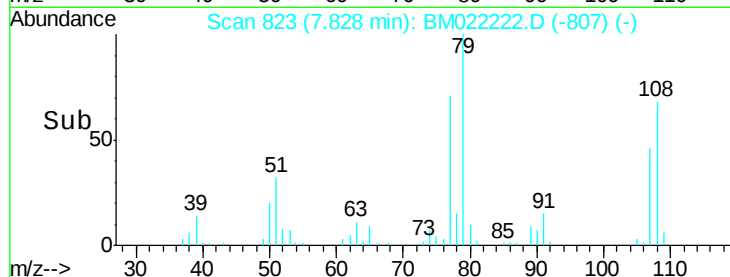
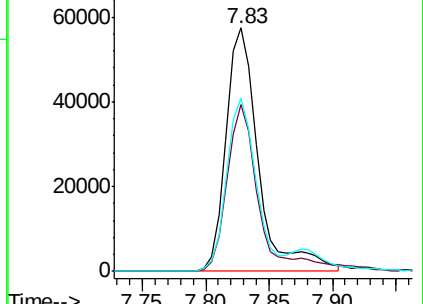
77 71.4 50.1 75.1



Abundance Ion 79.00 (78.70 to 79.70): BM022196.D (-817) (-)

Ion 108.00 (107.70 to 108.70): BM022196.D (-817) (-)

Ion 77.00 (76.70 to 77.70): BM022196.D (-817) (-)



#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.117 ng

RT: 8.09 min Scan# 867

Delta R.T. -0.02 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

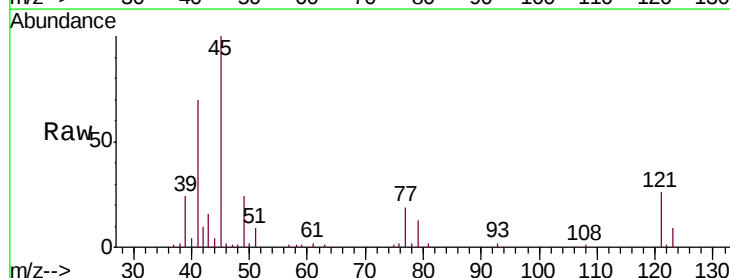
Tgt Ion: 45 Resp: 118077

Ion Ratio Lower Upper

45 100

77 19.4 0.0 37.5

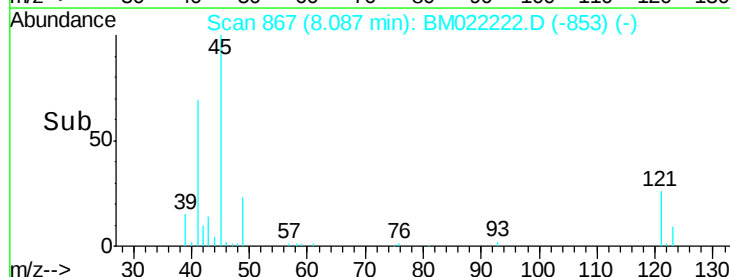
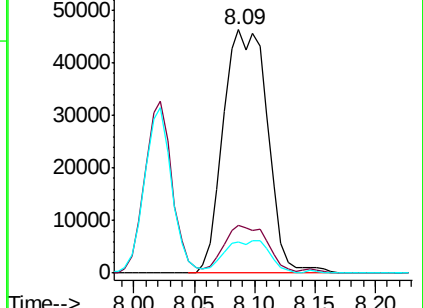
79 12.8 0.0 33.5

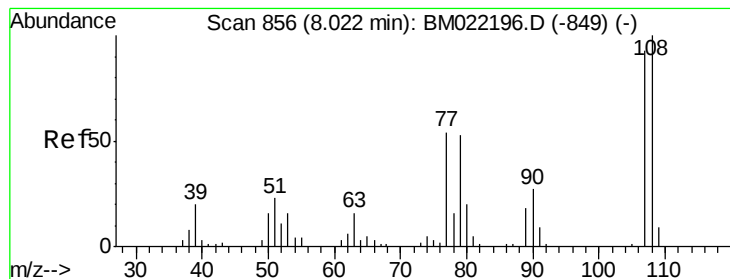


Abundance Ion 45.00 (44.70 to 45.70): BM022196.D (-860) (-)

Ion 77.00 (76.70 to 77.70): BM022196.D (-860) (-)

Ion 79.00 (78.70 to 79.70): BM022196.D (-860) (-)





#17

2-Methylphenol

Concen: 41.770 ng

RT: 8.02 min Scan# 856

Delta R.T. 0.00 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

Instrument :

BNA\_M

ClientSampleId :

REACTOR-3-C1-C4-(3)MS

Tgt Ion:107 Resp: 84204

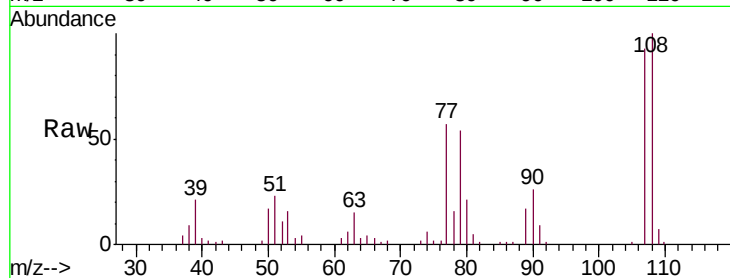
Ion Ratio Lower Upper

107 100

108 107.6 87.5 131.3

77 60.8 37.8 56.8#

79 58.2 37.5 56.3#



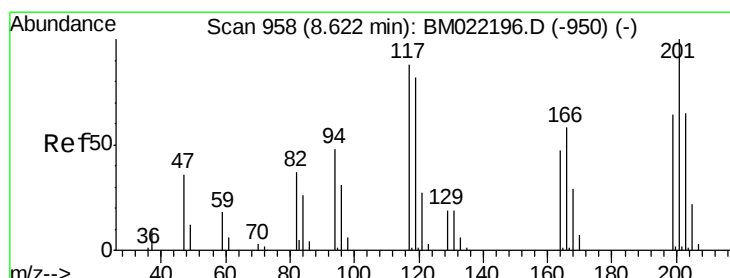
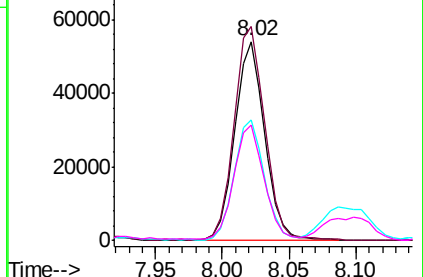
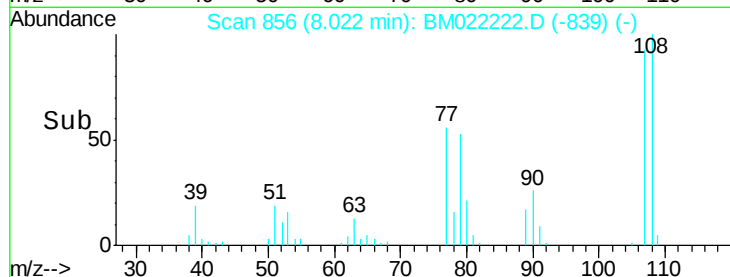
Abundance

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): BM0

Ion 79.00 (78.70 to 79.70): BM0



#18

Hexachloroethane

Concen: 40.331 ng

RT: 8.62 min Scan# 957

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

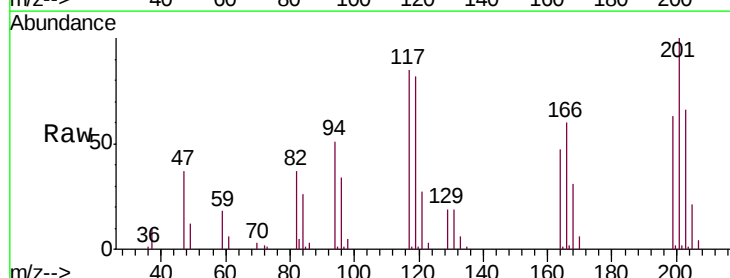
Tgt Ion:117 Resp: 51717

Ion Ratio Lower Upper

117 100

119 96.1 77.5 116.3

201 117.6 102.3 153.5

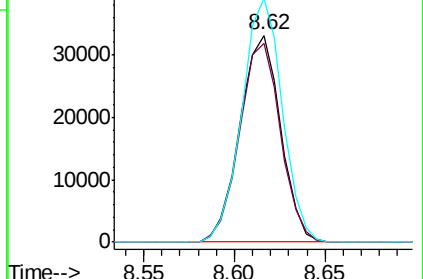
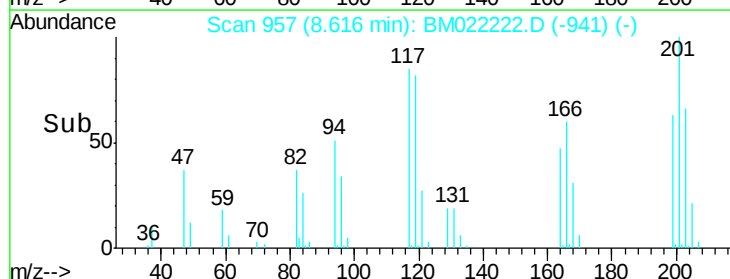


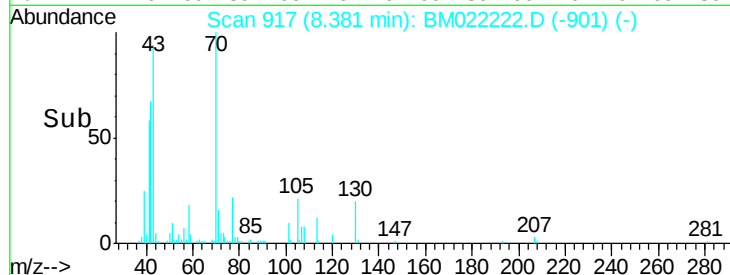
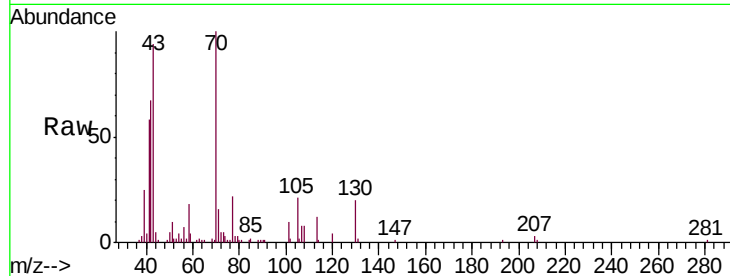
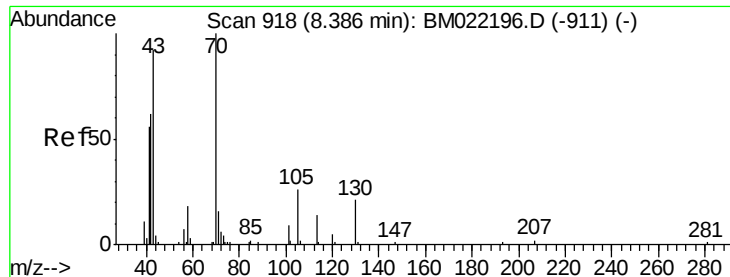
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

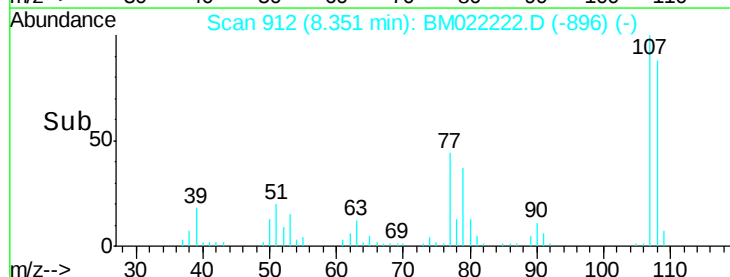
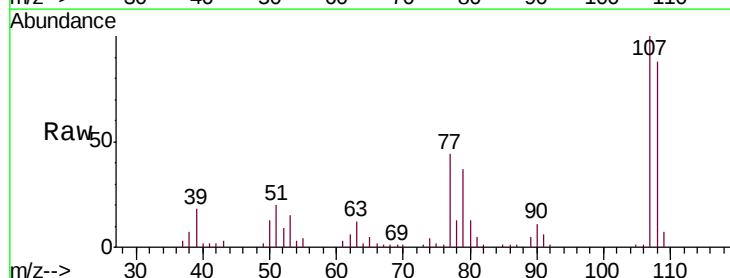
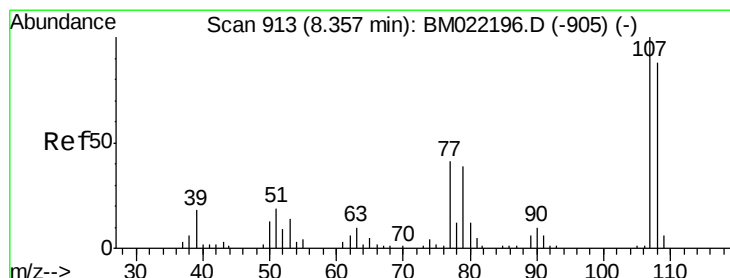
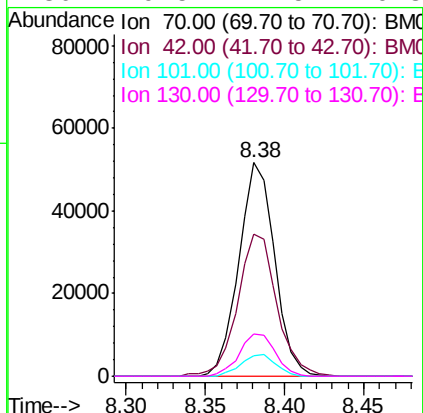




#19  
n-Nitroso-di-n-propylamine  
Concen: 38.460 ng  
RT: 8.38 min Scan# 917  
Delta R.T. -0.01 min  
Lab File: BM022222.D  
Acq: 21 Aug 2019 10:49

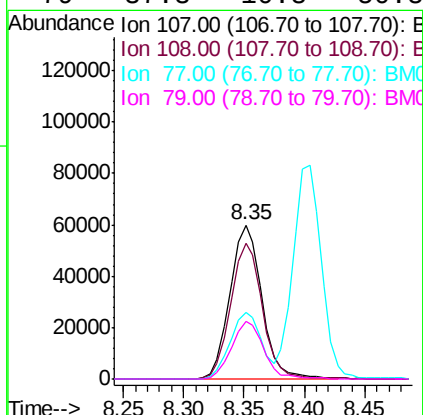
Instrument :  
BNA\_M  
ClientSampleId :  
REACTOR-3-C1-C4-(3)MS

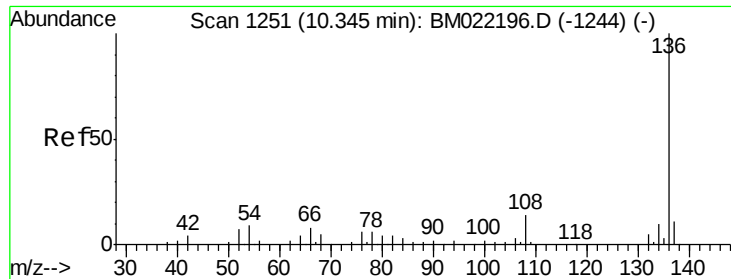
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 80876 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 66.5  | 41.9  | 62.9# |
| 101      | 9.7   | 8.1   | 12.1  |
| 130      | 19.5  | 17.5  | 26.3  |



#20  
3+4-Methylphenols  
Concen: 40.638 ng  
RT: 8.35 min Scan# 912  
Delta R.T. -0.01 min  
Lab File: BM022222.D  
Acq: 21 Aug 2019 10:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 110638 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 88.5  | 67.9  | 107.9  |
| 77       | 43.7  | 14.6  | 54.6   |
| 79       | 37.3  | 10.8  | 50.8   |

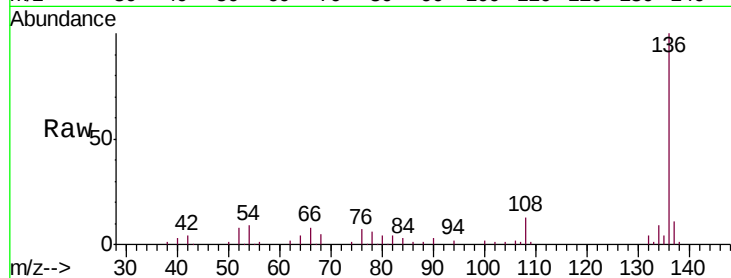




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.34 min Scan# 1250  
Delta R.T. -0.01 min  
Lab File: BM022222.D  
Acq: 21 Aug 2019 10:49

Instrument :  
BNA\_M  
ClientSampleId :  
REACTOR-3-C1-C4-(3)MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 133309 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 8.6   | 13.0   |
| 54       | 8.6   | 5.3   | 7.9#   |
| 68       | 4.9   | 4.4   | 6.6    |



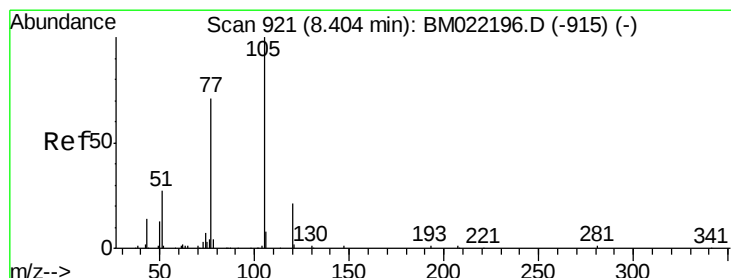
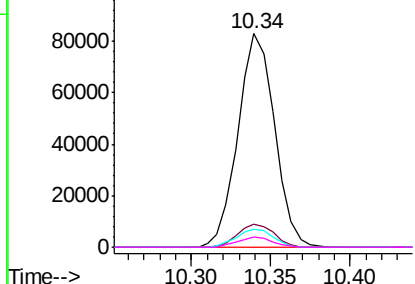
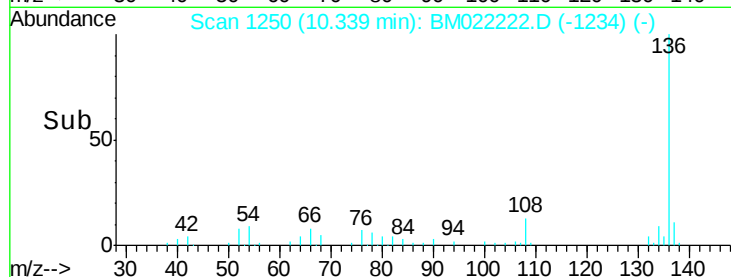
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

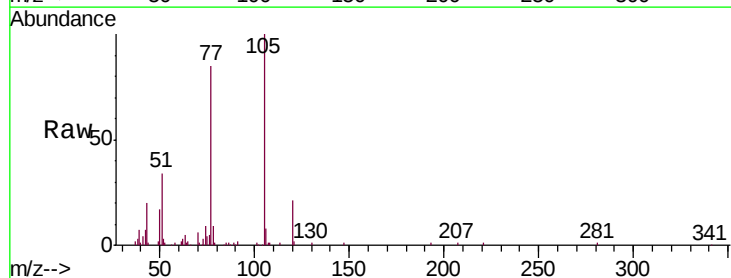
Ion 54.00 (53.70 to 54.70): BM0

Ion 68.00 (67.70 to 68.70): BM0



#22  
Acetophenone  
Concen: 44.828 ng  
RT: 8.40 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: BM022222.D  
Acq: 21 Aug 2019 10:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 153307 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 0.9   | 1.2   | 1.8#   |
| 51       | 34.0  | 19.1  | 28.7#  |
| 120      | 21.4  | 17.9  | 26.9   |



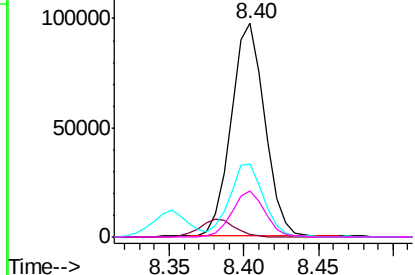
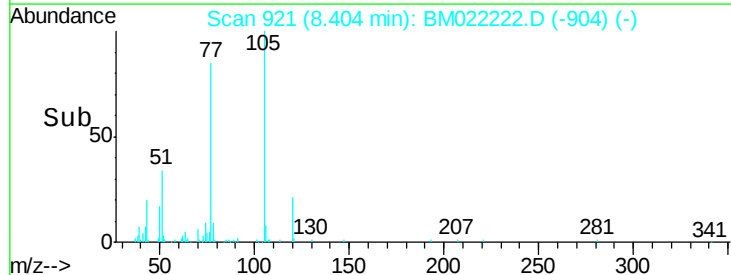
Abundance

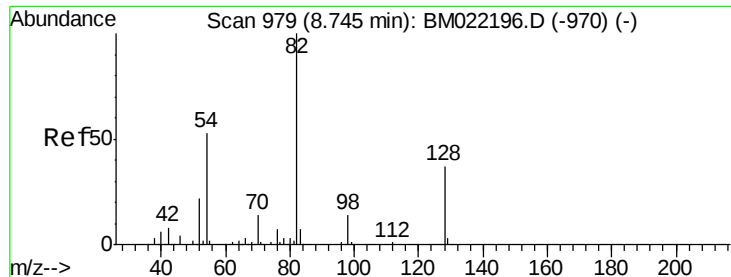
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM0

Ion 51.00 (50.70 to 51.70): BM0

Ion 120.00 (119.70 to 120.70): E

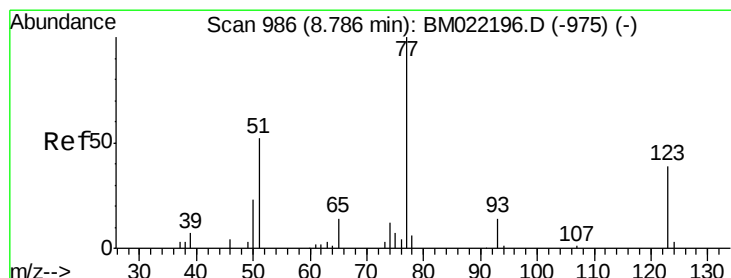
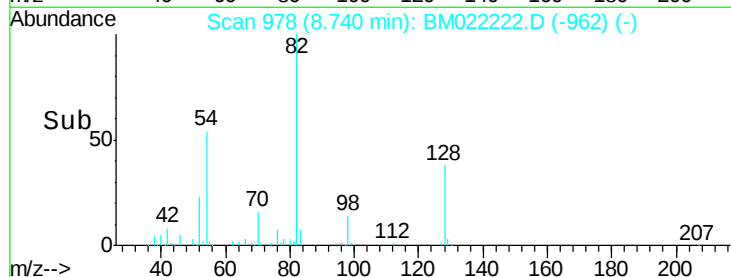
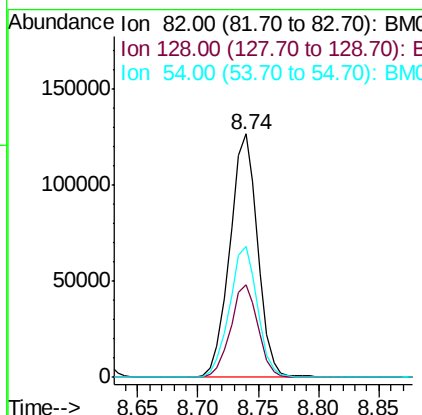
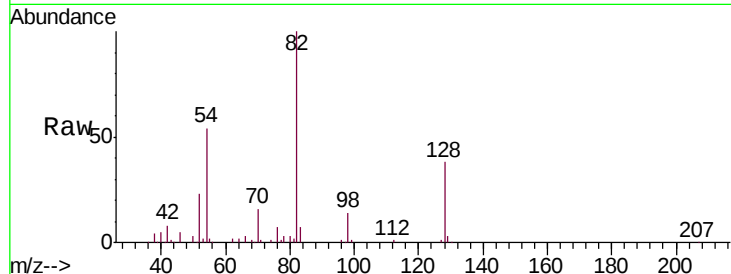




#23  
 Nitrobenzene-d5  
 Concen: 74.174 ng  
 RT: 8.74 min Scan# 978  
 Delta R.T. -0.01 min  
 Lab File: BM022222.D  
 Acq: 21 Aug 2019 10:49

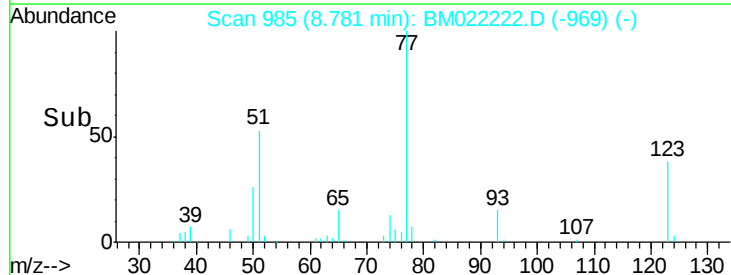
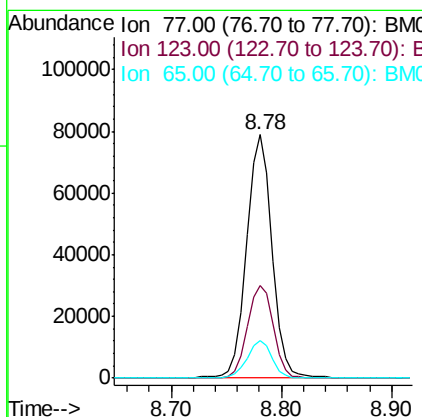
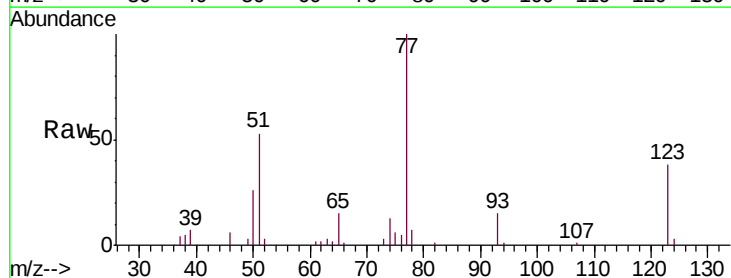
Instrument :  
 BNA\_M  
 ClientSampleId :  
 REACTOR-3-C1-C4-(3)MS

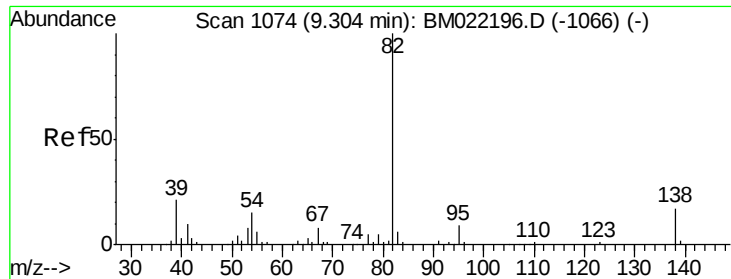
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 38.2  | 35.9  | 53.9  |
| 54      | 54.0  | 36.6  | 55.0  |



#24  
 Nitrobenzene  
 Concen: 45.621 ng  
 RT: 8.78 min Scan# 985  
 Delta R.T. -0.01 min  
 Lab File: BM022222.D  
 Acq: 21 Aug 2019 10:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 38.2  | 36.3  | 54.5  |
| 65      | 15.2  | 10.6  | 16.0  |

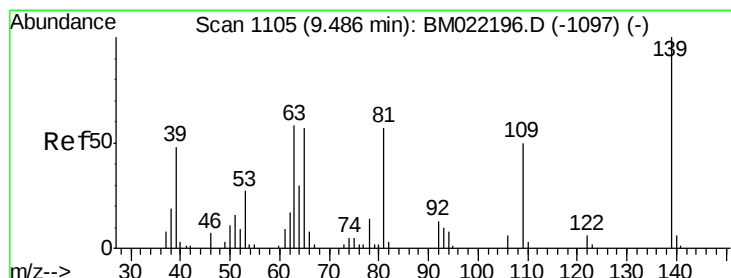
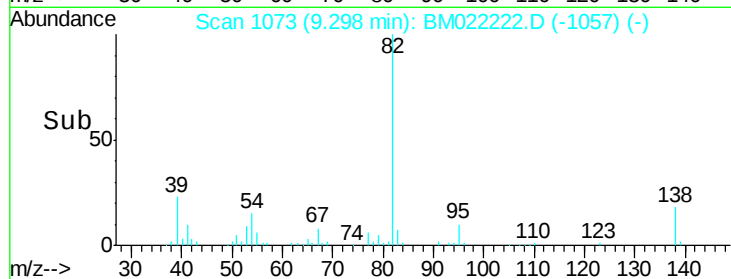
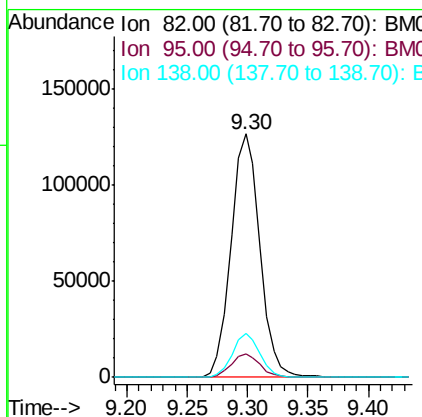
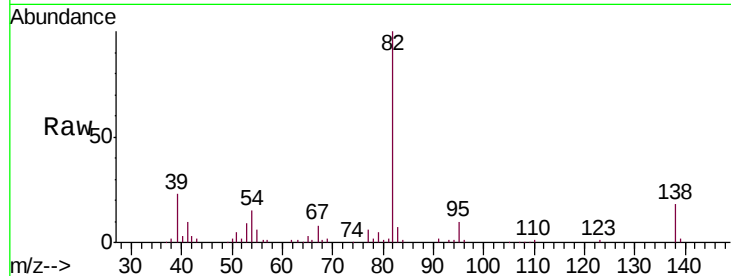




#25  
Isophorone  
Concen: 43.311 ng  
RT: 9.30 min Scan# 1073  
Delta R.T. -0.01 min  
Lab File: BM022222.D  
Acq: 21 Aug 2019 10:49

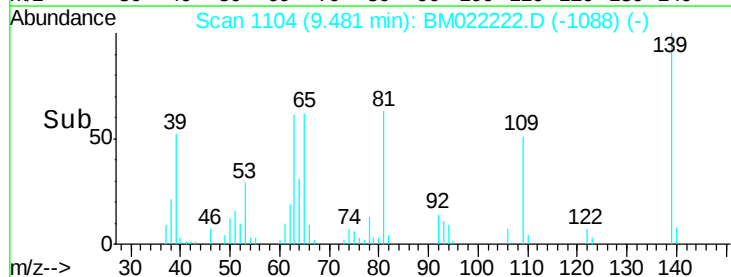
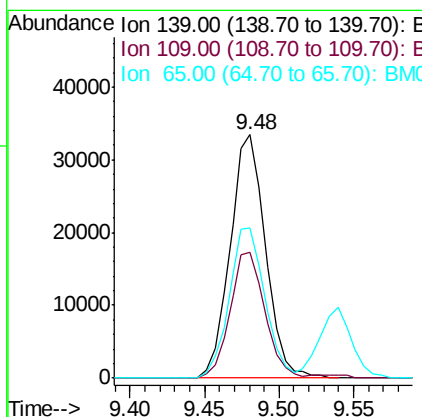
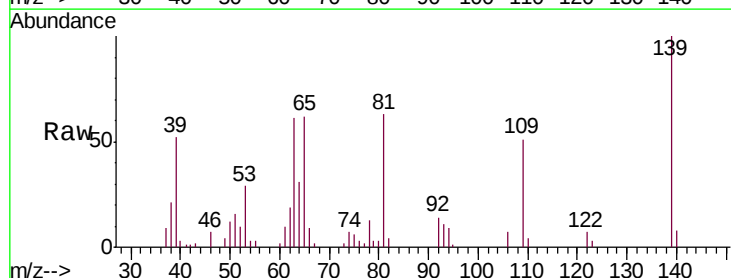
Instrument :  
BNA\_M  
ClientSampleId :  
REACTOR-3-C1-C4-(3)MS

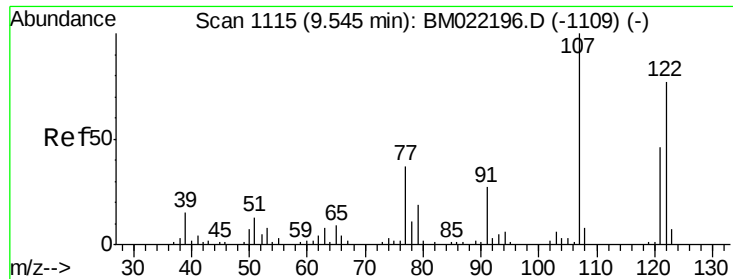
Tgt Ion: 82 Resp: 210674  
Ion Ratio Lower Upper  
82 100  
95 9.7 6.1 9.1#  
138 18.0 15.0 22.6



#26  
2-Nitrophenol  
Concen: 46.407 ng  
RT: 9.48 min Scan# 1104  
Delta R.T. -0.01 min  
Lab File: BM022222.D  
Acq: 21 Aug 2019 10:49

Tgt Ion: 139 Resp: 55163  
Ion Ratio Lower Upper  
139 100  
109 51.5 25.2 37.8#  
65 61.7 37.4 56.0#

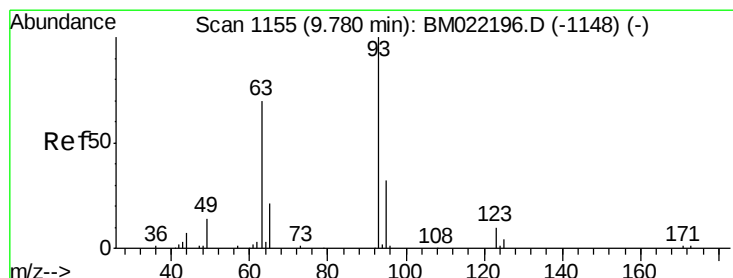
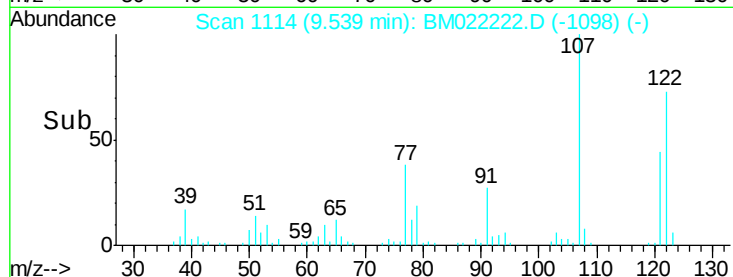
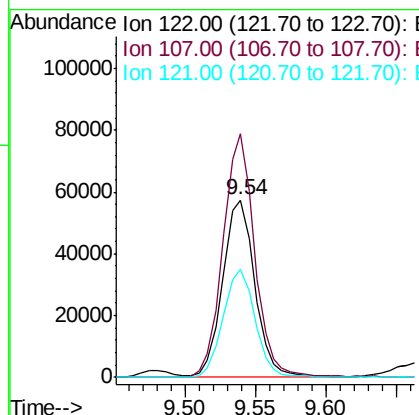
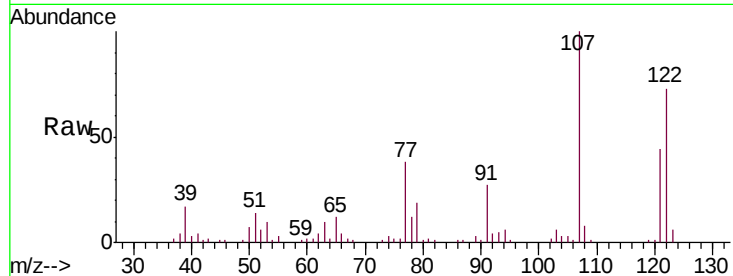




#27  
 2,4-Dimethylphenol  
 Concen: 51.050 ng  
 RT: 9.54 min Scan# 1114  
 Delta R.T. -0.01 min  
 Lab File: BM022222.D  
 Acq: 21 Aug 2019 10:49

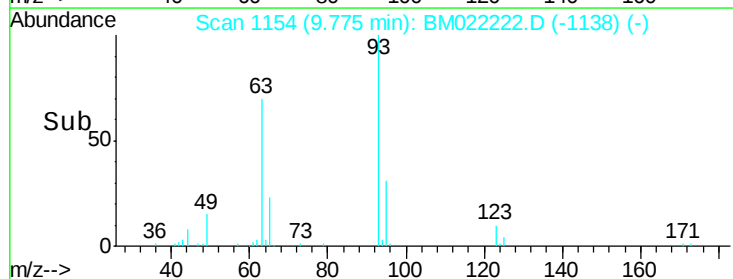
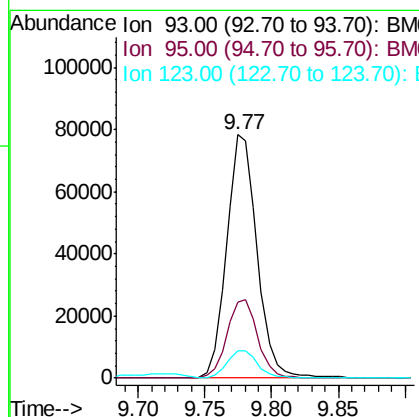
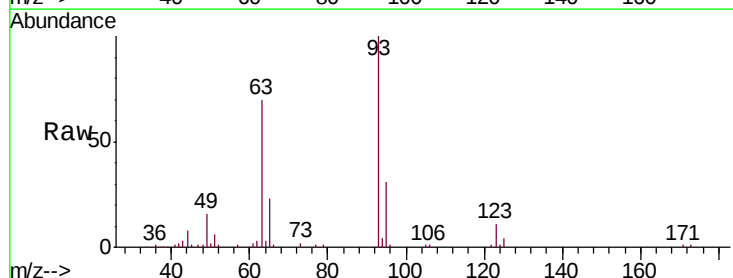
Instrument :  
 BNA\_M  
 ClientSampleId :  
 REACTOR-3-C1-C4-(3)MS

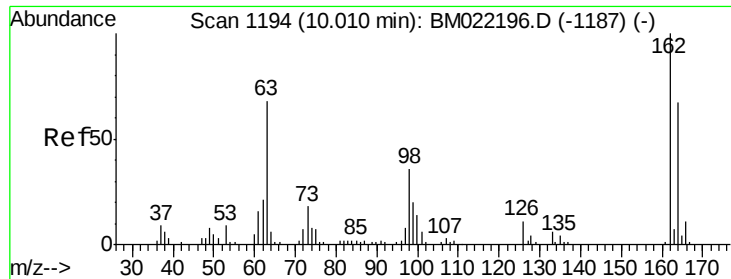
Tgt Ion:122 Resp: 91467  
 Ion Ratio Lower Upper  
 122 100  
 107 137.0 95.3 142.9  
 121 60.5 47.5 71.3



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 43.440 ng  
 RT: 9.77 min Scan# 1154  
 Delta R.T. -0.01 min  
 Lab File: BM022222.D  
 Acq: 21 Aug 2019 10:49

Tgt Ion: 93 Resp: 125007  
 Ion Ratio Lower Upper  
 93 100  
 95 31.0 26.2 39.2  
 123 11.3 9.0 13.4

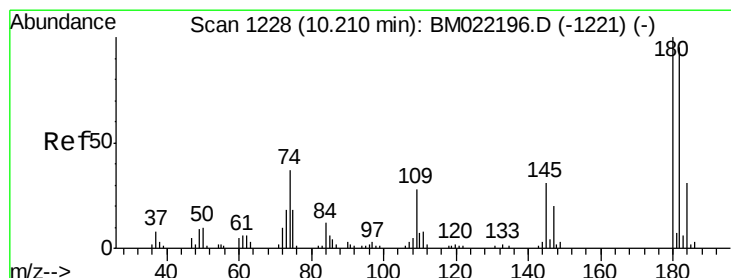
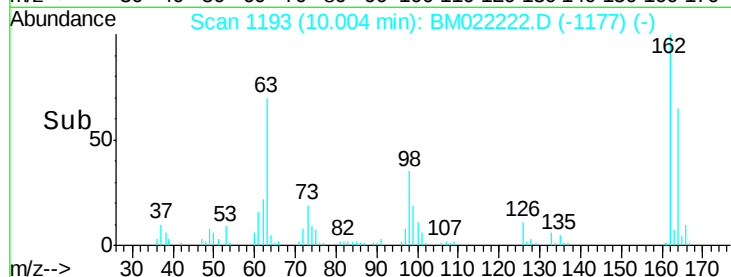
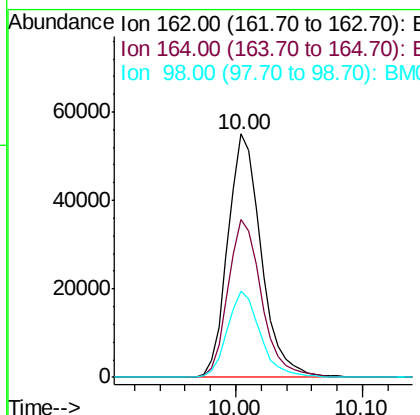
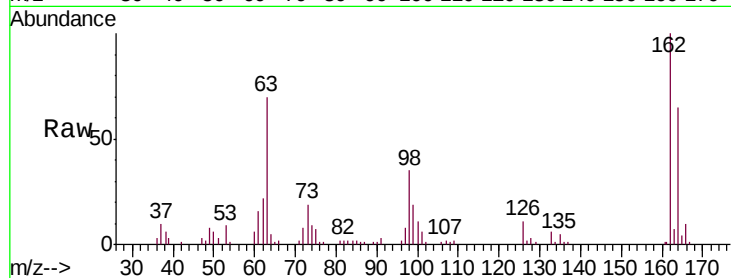




#29  
2,4-Dichlorophenol  
Concen: 46.427 ng  
RT: 10.00 min Scan# 1193  
Delta R.T. -0.01 min  
Lab File: BM022222.D  
Acq: 21 Aug 2019 10:49

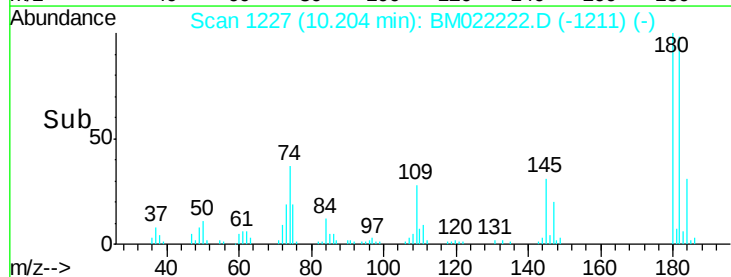
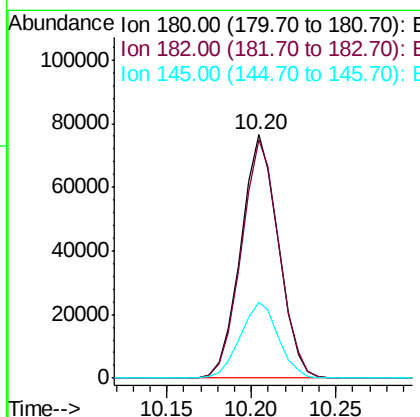
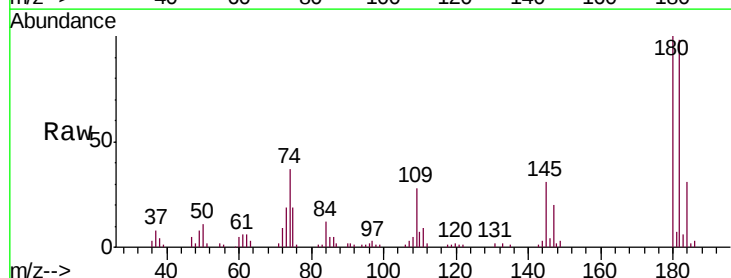
Instrument :  
BNA\_M  
ClientSampleId :  
REACTOR-3-C1-C4-(3)MS

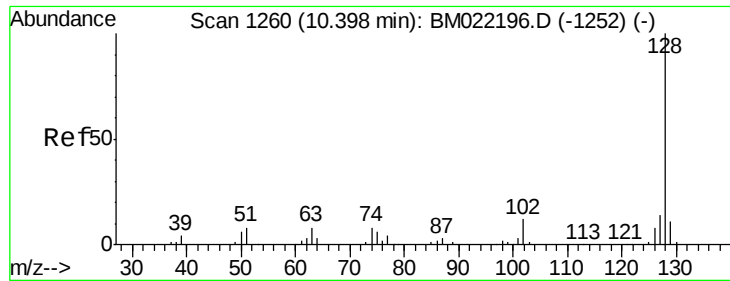
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.8  | 43.7  | 83.7  |
| 98      | 35.2  | 13.4  | 53.4  |



#30  
1,2,4-Trichlorobenzene  
Concen: 44.468 ng  
RT: 10.20 min Scan# 1227  
Delta R.T. -0.01 min  
Lab File: BM022222.D  
Acq: 21 Aug 2019 10:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 97.8  | 78.0  | 117.0 |
| 145     | 31.4  | 23.4  | 35.0  |

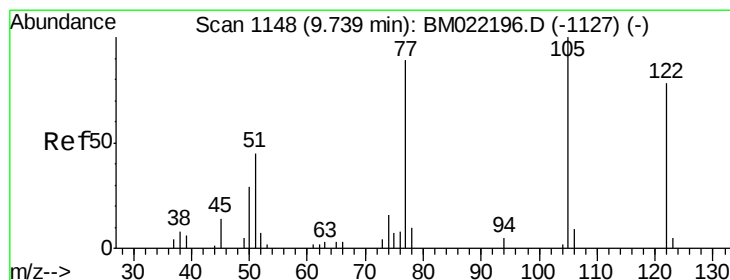
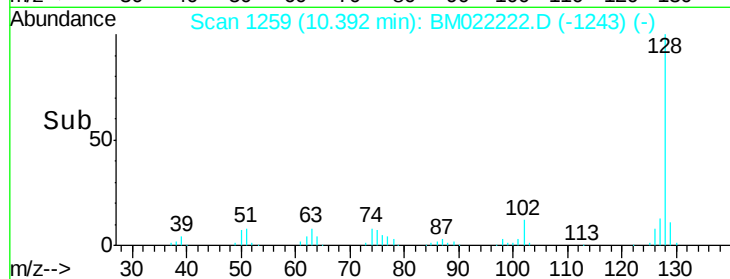
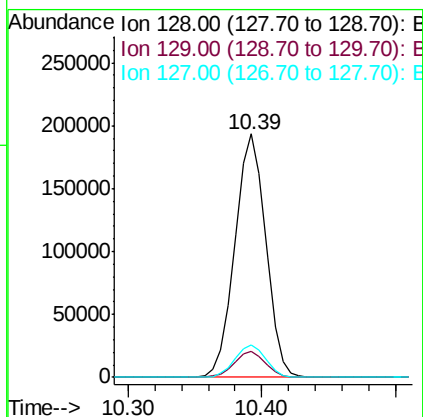
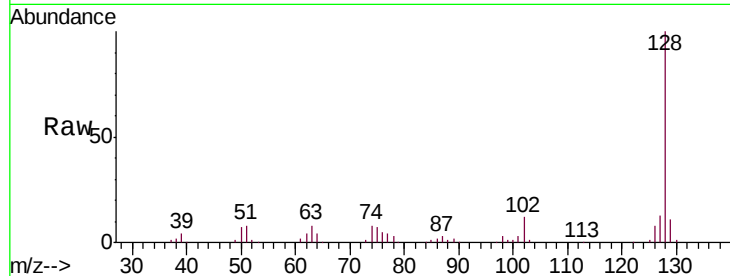




#31  
Naphthalene  
Concen: 44.772 ng  
RT: 10.39 min Scan# 1259  
Delta R.T. -0.01 min  
Lab File: BM022222.D  
Acq: 21 Aug 2019 10:49

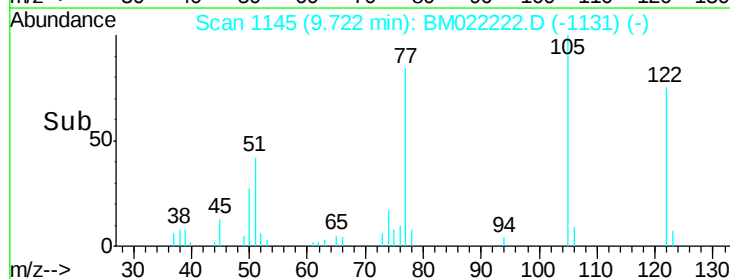
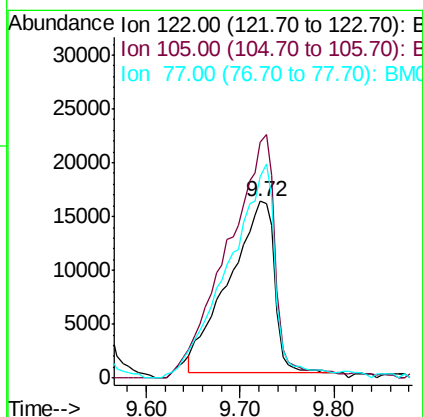
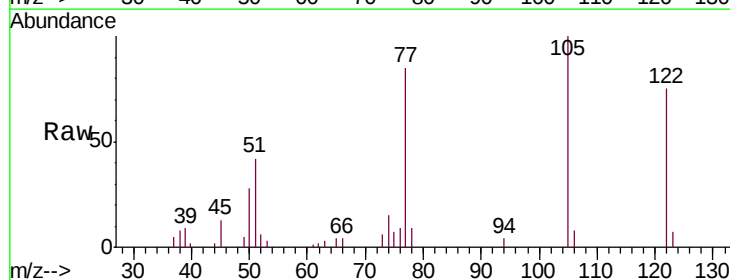
Instrument :  
BNA\_M  
ClientSampleId :  
REACTOR-3-C1-C4-(3)MS

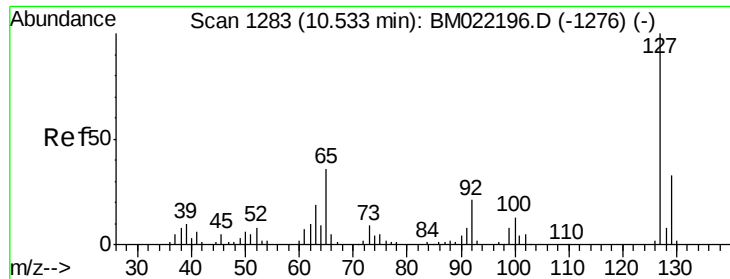
Tgt Ion:128 Resp: 309986  
Ion Ratio Lower Upper  
128 100  
129 10.7 8.6 13.0  
127 13.2 10.8 16.2



#32  
Benzoic acid  
Concen: 35.341 ng  
RT: 9.72 min Scan# 1145  
Delta R.T. -0.02 min  
Lab File: BM022222.D  
Acq: 21 Aug 2019 10:49

Tgt Ion:122 Resp: 54054  
Ion Ratio Lower Upper  
122 100  
105 133.3 108.9 148.9  
77 113.5 76.7 116.7

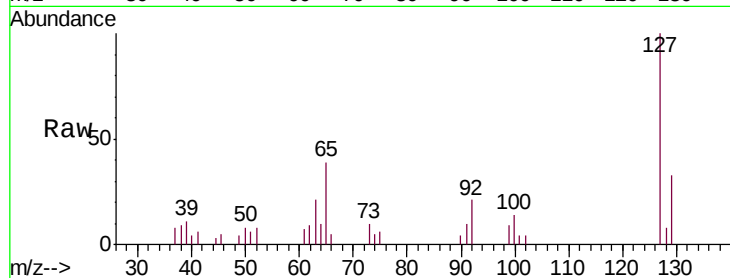




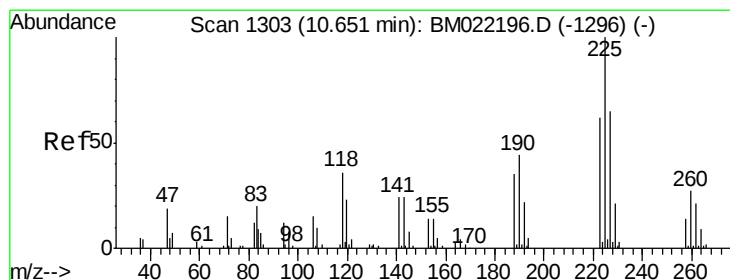
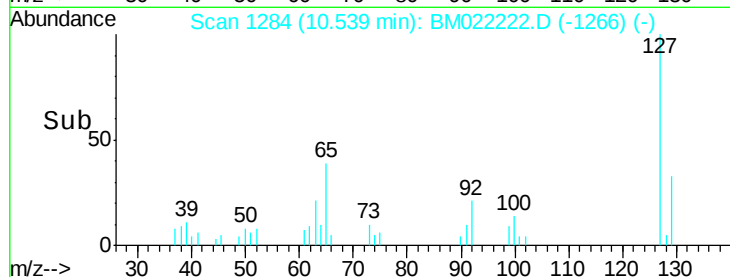
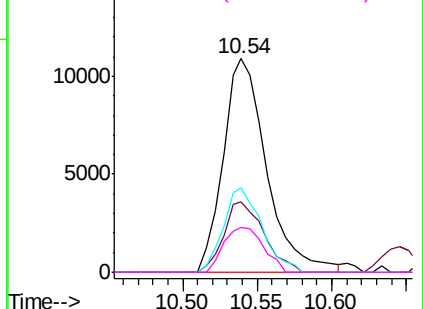
#33  
4-Chloroaniline  
Concen: 7.628 ng  
RT: 10.54 min Scan# 1284  
Delta R.T. 0.01 min  
Lab File: BM022222.D  
Acq: 21 Aug 2019 10:49

Instrument :  
BNA\_M  
ClientSampleId :  
REACTOR-3-C1-C4-(3)MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 22104 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 32.8  | 25.1  | 37.7  |
| 65       | 39.4  | 23.8  | 35.8# |
| 92       | 21.2  | 15.7  | 23.5  |

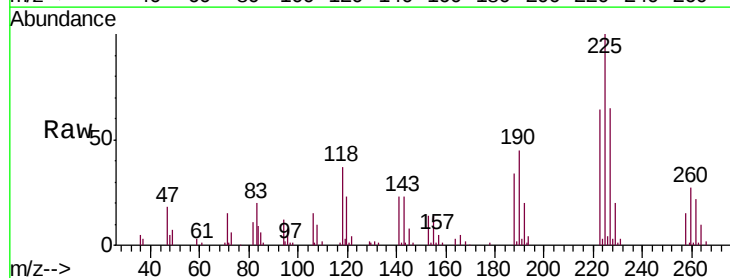


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BM0  
Ion 92.00 (91.70 to 92.70): BM0

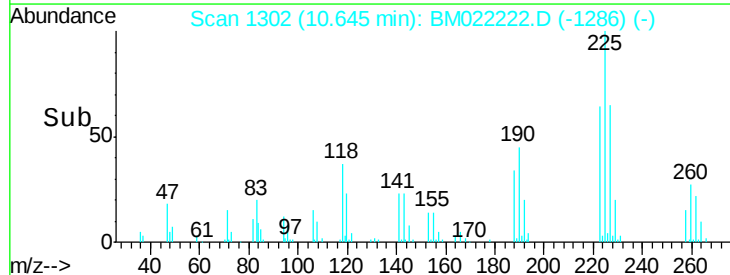
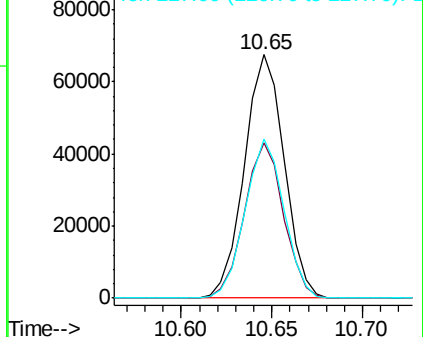


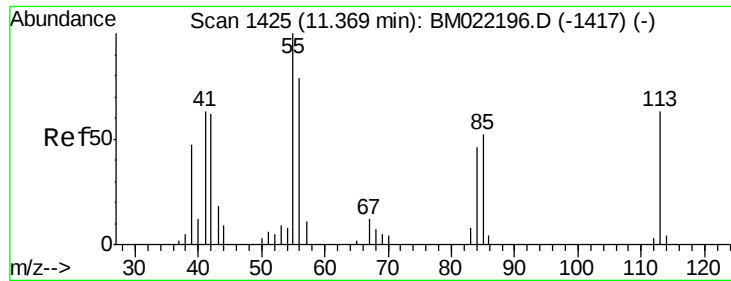
#34  
Hexachlorobutadiene  
Concen: 45.029 ng  
RT: 10.65 min Scan# 1302  
Delta R.T. -0.01 min  
Lab File: BM022222.D  
Acq: 21 Aug 2019 10:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 102897 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 64.0  | 49.6  | 74.4   |
| 227      | 65.2  | 50.4  | 75.6   |



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: 16.385 ng

RT: 11.36 min Scan# 1424

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

Instrument :

BNA\_M

ClientSampleId :

REACTOR-3-C1-C4-(3)MS

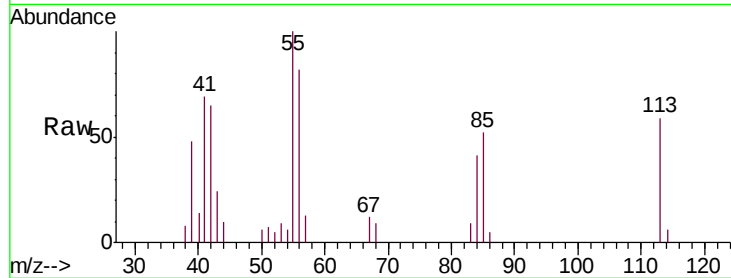
Tgt Ion:113 Resp: 9523

Ion Ratio Lower Upper

113 100

55 169.4 129.8 169.8

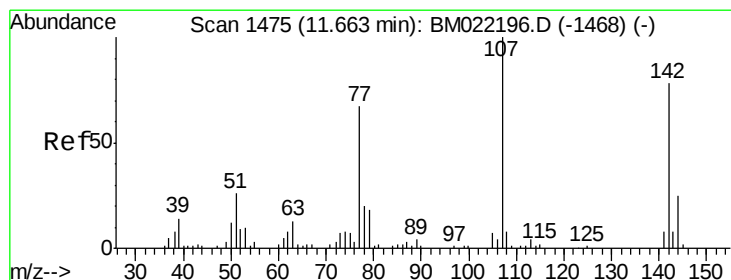
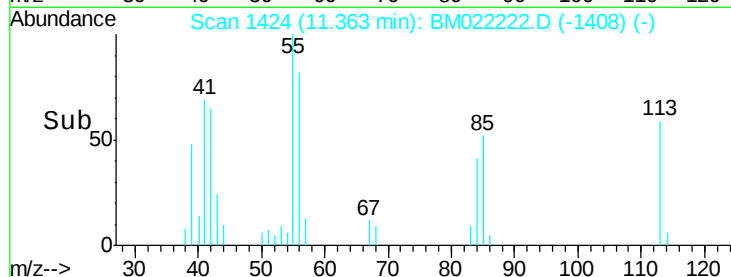
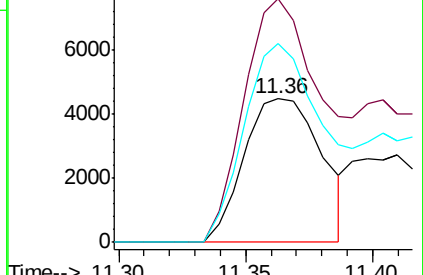
56 138.4 94.3 134.3#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#36

4-Chloro-3-methylphenol

Concen: 43.507 ng

RT: 11.66 min Scan# 1475

Delta R.T. 0.00 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

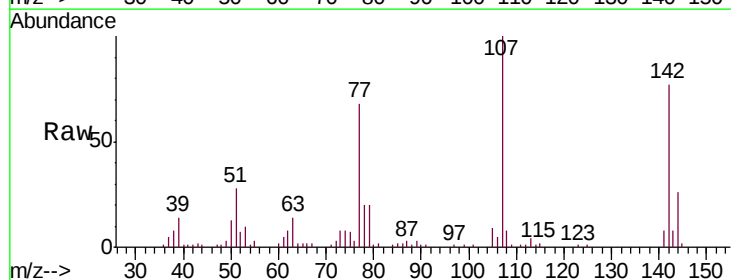
Tgt Ion:107 Resp: 99430

Ion Ratio Lower Upper

107 100

144 25.6 21.3 31.9

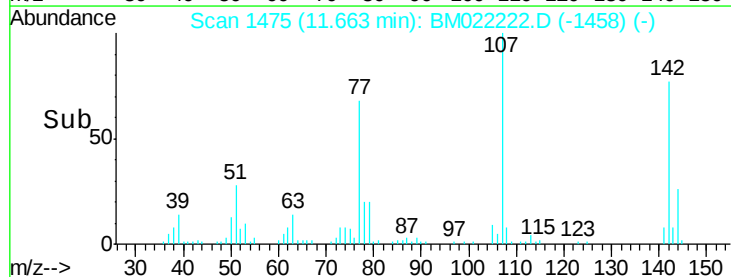
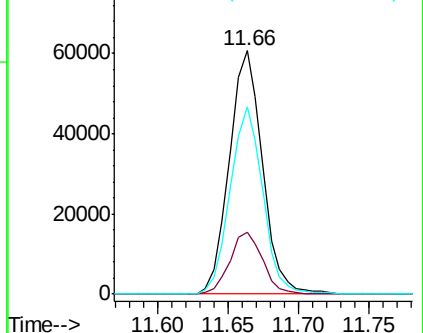
142 76.7 64.9 97.3

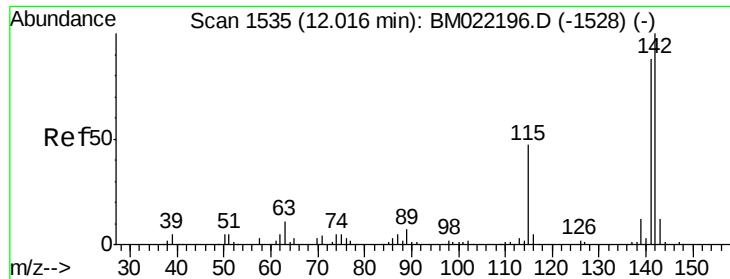


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

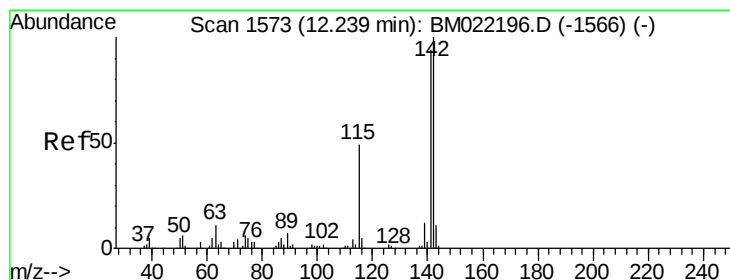
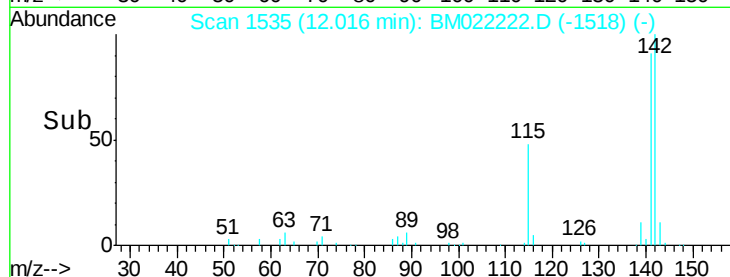
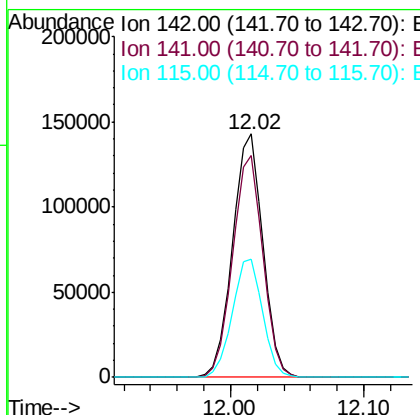
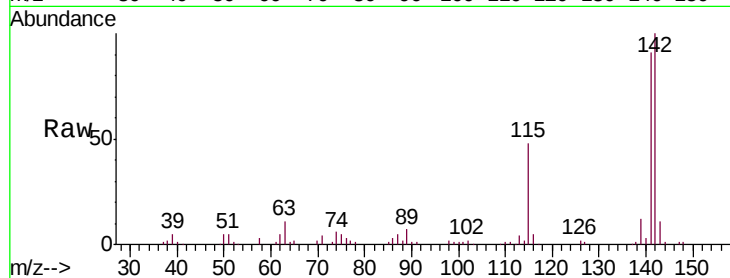




#37  
 2-Methylnaphthalene  
 Concen: 44.562 ng  
 RT: 12.02 min Scan# 1535  
 Delta R.T. 0.00 min  
 Lab File: BM022222.D  
 Acq: 21 Aug 2019 10:49

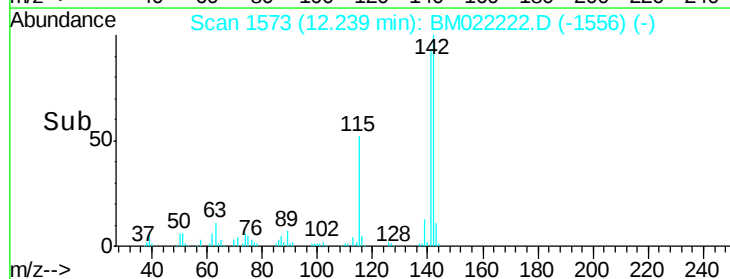
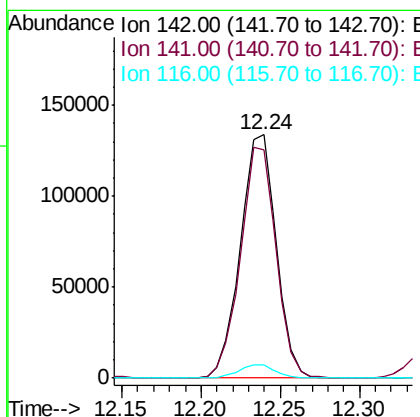
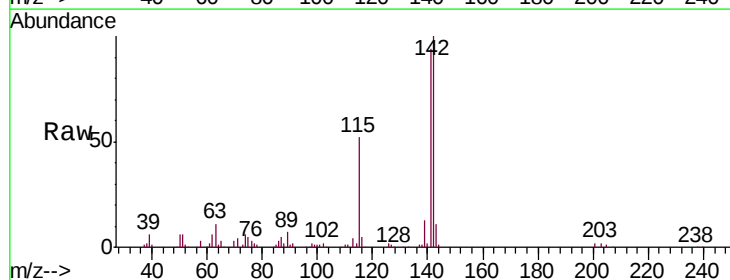
Instrument :  
 BNA\_M  
 ClientSampleId :  
 REACTOR-3-C1-C4-(3)MS

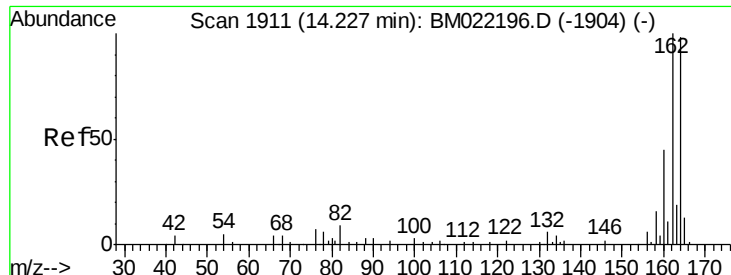
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.3  | 72.2  | 108.2 |
| 115     | 48.3  | 27.9  | 41.9# |



#38  
 1-Methylnaphthalene  
 Concen: 43.372 ng  
 RT: 12.24 min Scan# 1573  
 Delta R.T. 0.00 min  
 Lab File: BM022222.D  
 Acq: 21 Aug 2019 10:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 93.9  | 73.9  | 110.9 |
| 116     | 5.2   | 3.0   | 4.6#  |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.22 min Scan# 1910

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

Instrument :

BNA\_M

ClientSampleId :

REACTOR-3-C1-C4-(3)MS

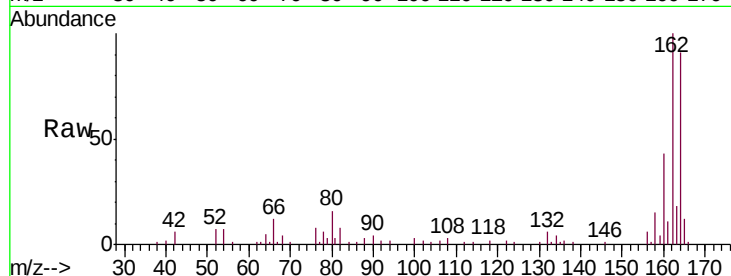
Tgt Ion:164 Resp: 76767

Ion Ratio Lower Upper

164 100

162 109.6 82.1 123.1

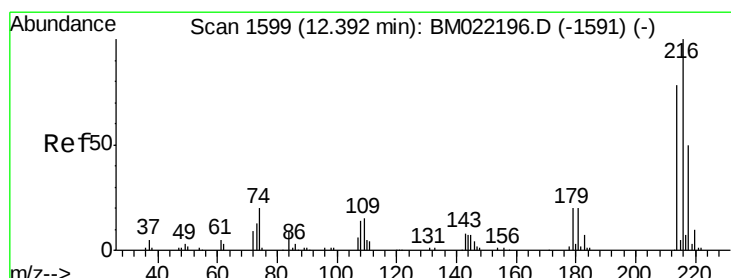
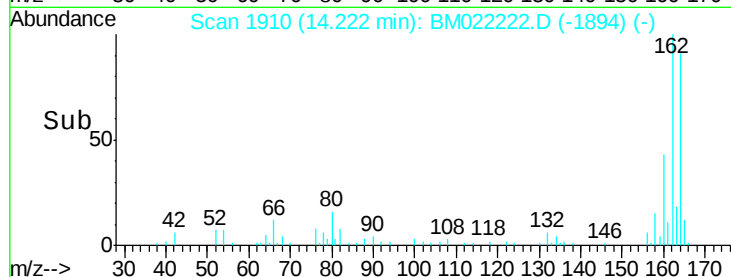
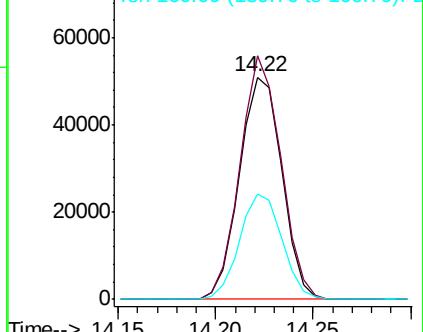
160 47.5 37.1 55.7



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: 51.636 ng

RT: 12.39 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

Tgt Ion:216 Resp: 155163

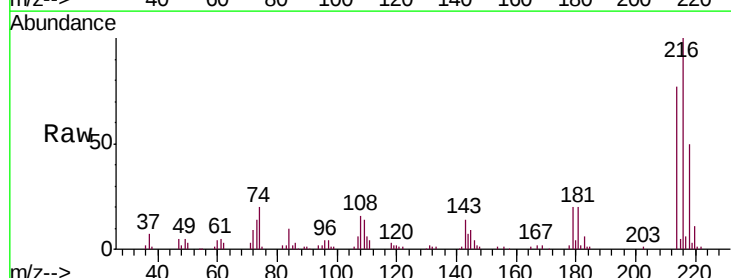
Ion Ratio Lower Upper

216 100

214 77.1 63.0 94.6

179 20.3 16.4 24.6

108 16.7 12.5 18.7

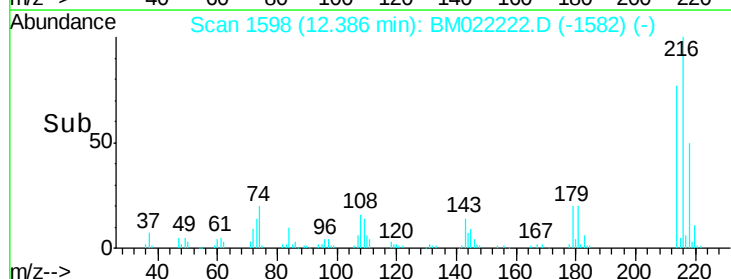
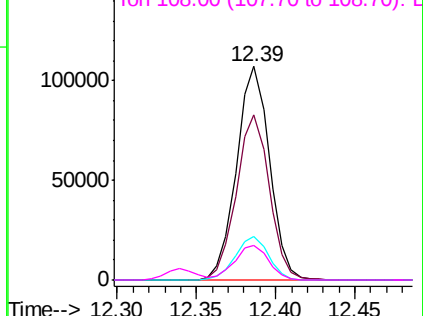


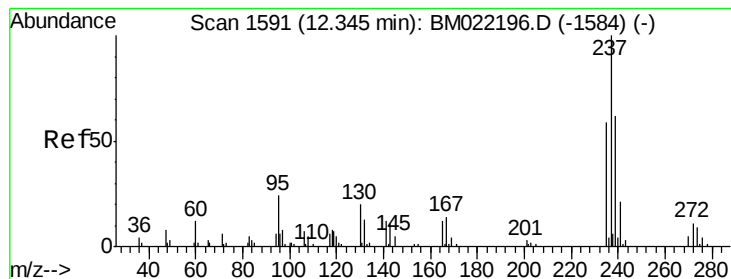
Abundance Ion 216.00 (215.70 to 216.70): E

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





#41

Hexachlorocyclopentadiene

Concen: 93.384 ng

RT: 12.34 min Scan# 1590

Delta R.T. -0.00 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

Instrument :

BNA\_M

ClientSampleId :

REACTOR-3-C1-C4-(3)MS

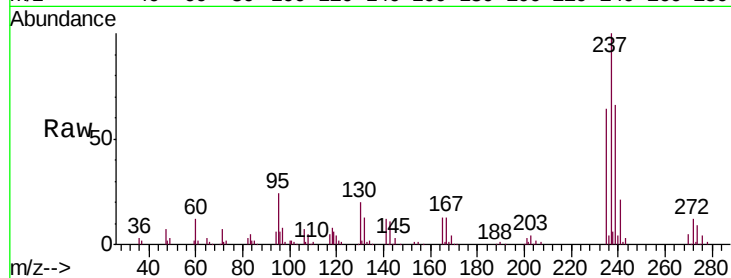
Tgt Ion: 237 Resp: 167943

Ion Ratio Lower Upper

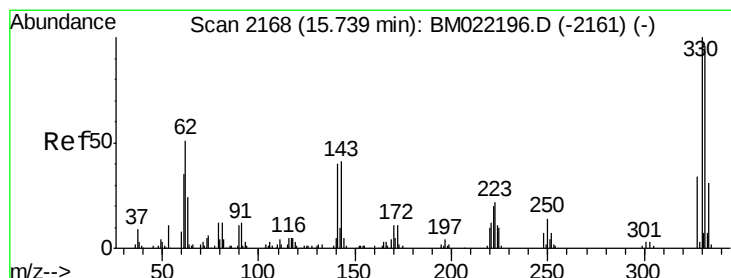
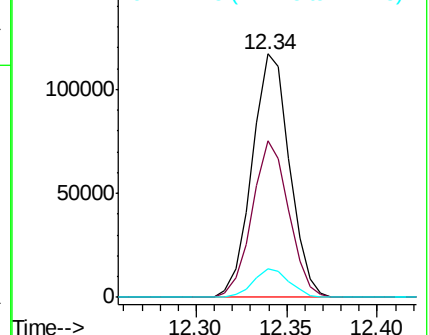
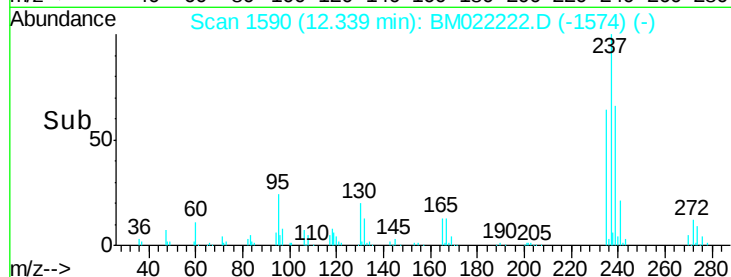
237 100

235 64.3 41.7 81.7

272 11.6 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: 99.928 ng

RT: 15.73 min Scan# 2167

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

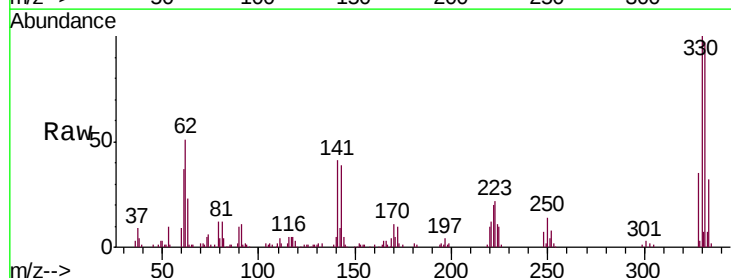
Tgt Ion: 330 Resp: 124165

Ion Ratio Lower Upper

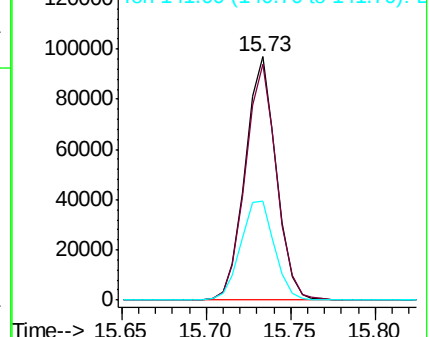
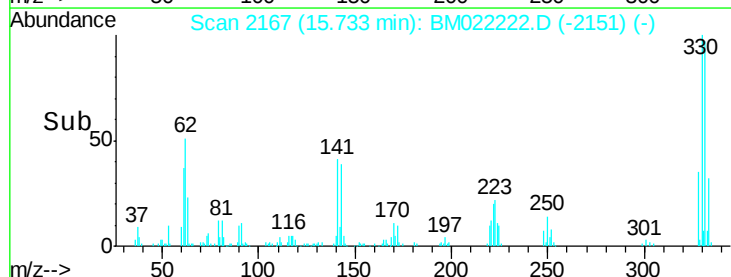
330 100

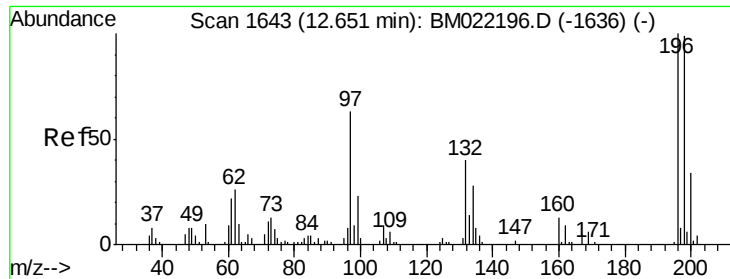
332 97.2 77.1 115.7

141 44.4 21.8 32.8#



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

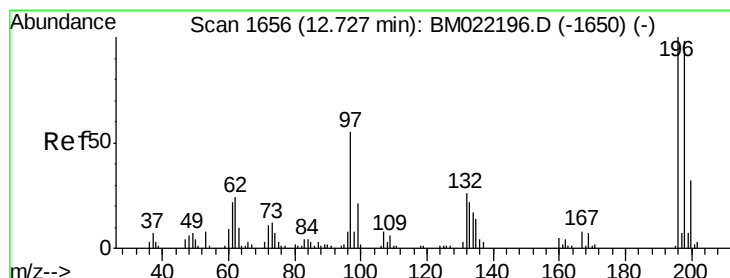
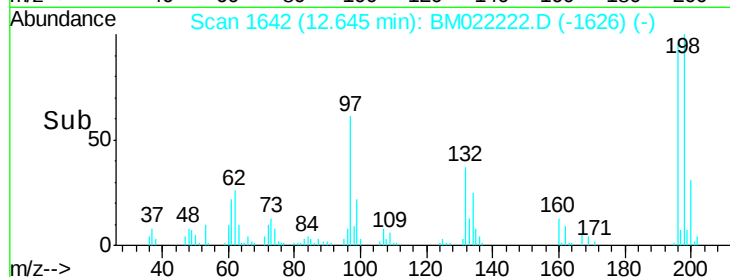
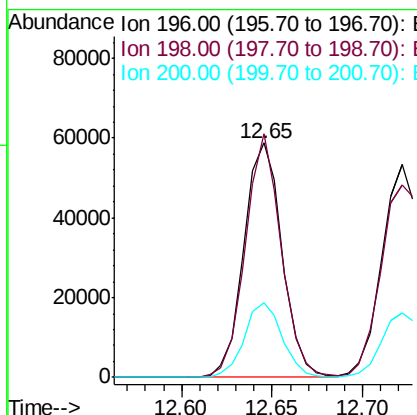
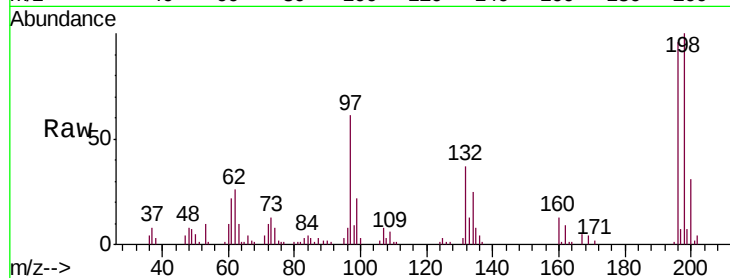




#43  
 2,4,6-Trichlorophenol  
 Concen: 47.763 ng  
 RT: 12.65 min Scan# 1642  
 Delta R.T. -0.01 min  
 Lab File: BM022222.D  
 Acq: 21 Aug 2019 10:49

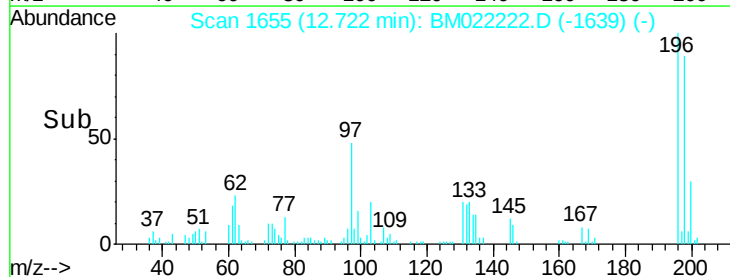
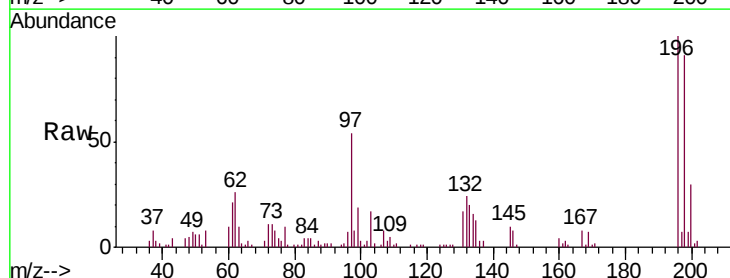
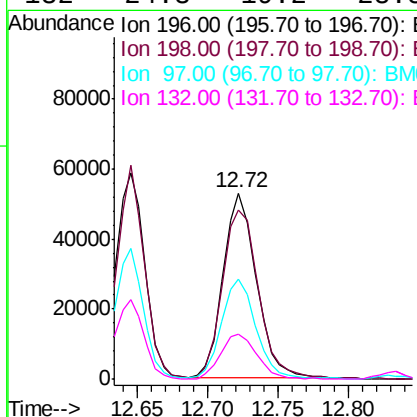
Instrument :  
 BNA\_M  
 ClientSampleId :  
 REACTOR-3-C1-C4-(3)MS

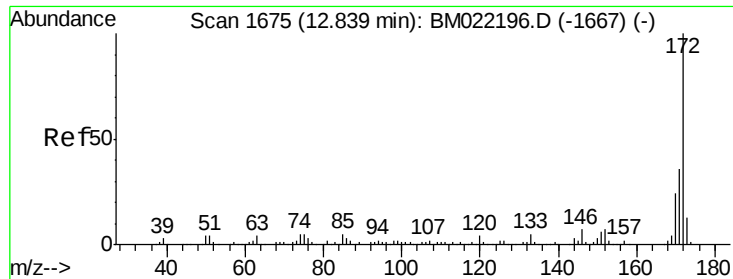
Tgt Ion:196 Resp: 86036  
 Ion Ratio Lower Upper  
 196 100  
 198 103.8 76.7 115.1  
 200 31.9 24.2 36.4



#44  
 2,4,5-Trichlorophenol  
 Concen: 47.638 ng  
 RT: 12.72 min Scan# 1655  
 Delta R.T. -0.01 min  
 Lab File: BM022222.D  
 Acq: 21 Aug 2019 10:49

Tgt Ion:196 Resp: 87104  
 Ion Ratio Lower Upper  
 196 100  
 198 90.9 78.2 117.4  
 97 53.8 34.1 51.1#  
 132 24.3 19.2 28.8

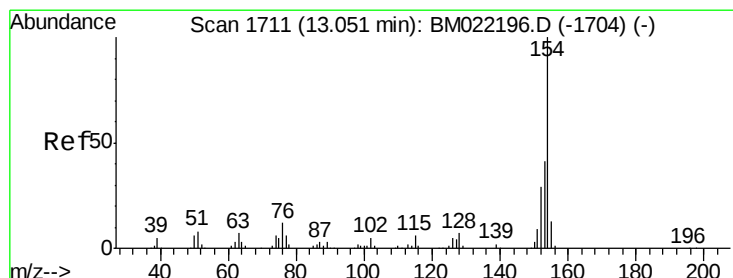
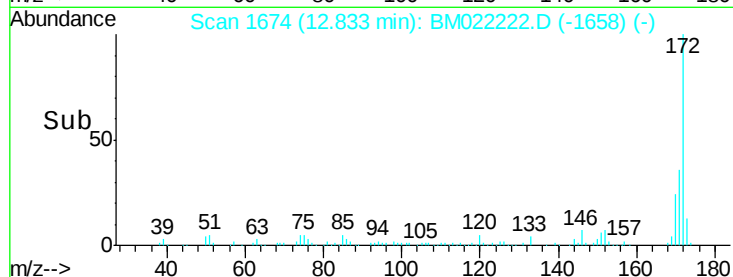
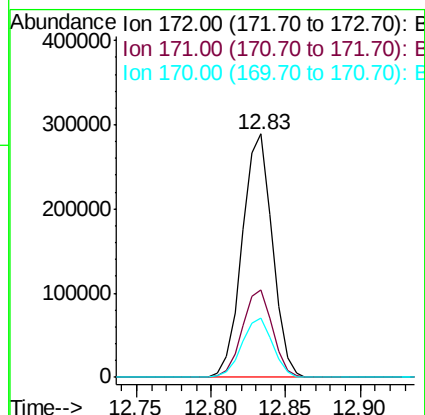
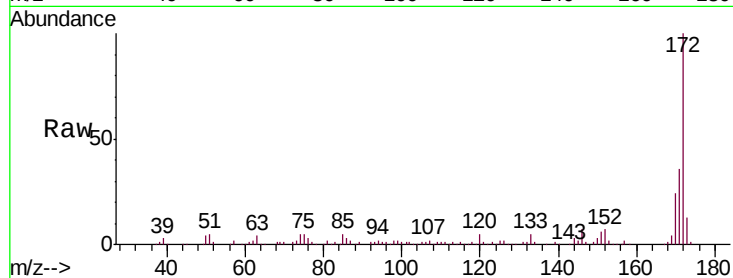




#45  
 2-Fluorobiphenyl  
 Concen: 65.786 ng  
 RT: 12.83 min Scan# 1674  
 Delta R.T. -0.01 min  
 Lab File: BM022222.D  
 Acq: 21 Aug 2019 10:49

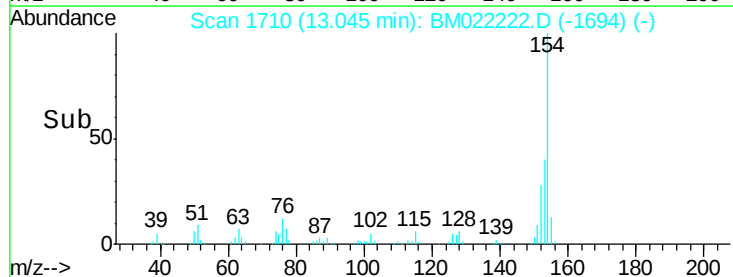
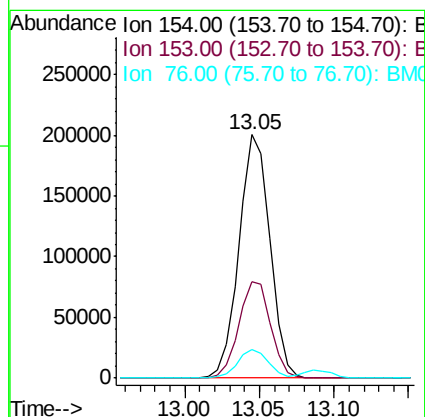
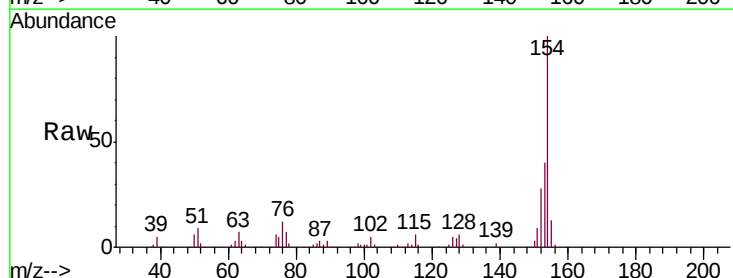
Instrument :  
 BNA\_M  
 ClientSampleId :  
 REACTOR-3-C1-C4-(3)MS

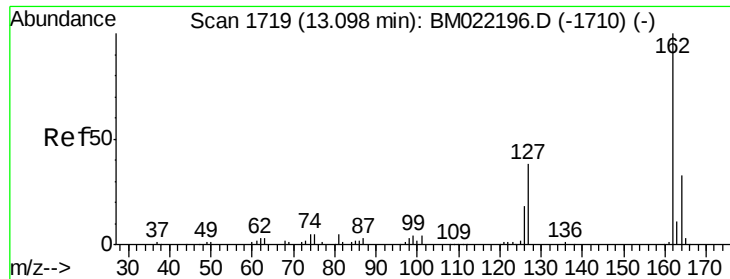
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 172   | Resp: | 404339 |
| Ion      | Ratio | Lower | Upper  |
| 172      | 100   |       |        |
| 171      | 35.9  | 28.6  | 43.0   |
| 170      | 24.3  | 18.7  | 28.1   |



#46  
 1,1'-Biphenyl  
 Concen: 47.795 ng  
 RT: 13.05 min Scan# 1710  
 Delta R.T. -0.01 min  
 Lab File: BM022222.D  
 Acq: 21 Aug 2019 10:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 154   | Resp: | 288549 |
| Ion      | Ratio | Lower | Upper  |
| 154      | 100   |       |        |
| 153      | 39.6  | 21.3  | 61.3   |
| 76       | 12.0  | 0.0   | 30.9   |

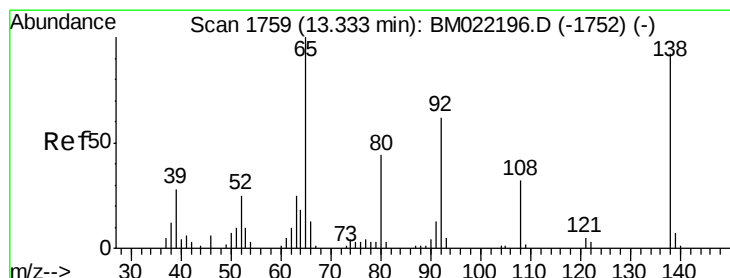
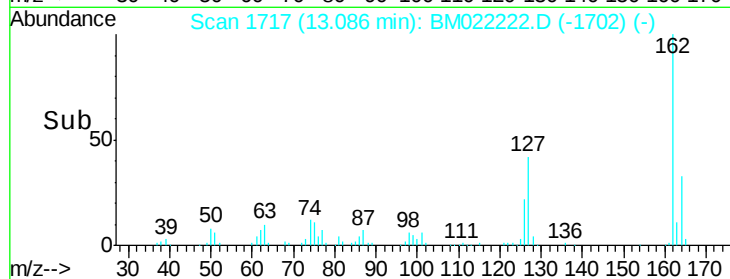
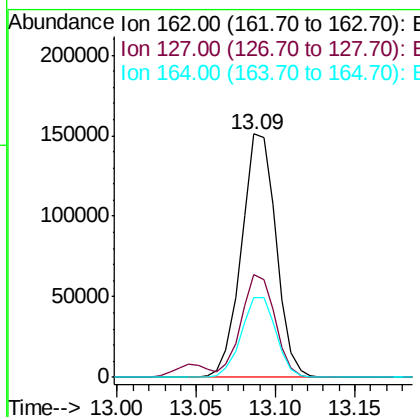
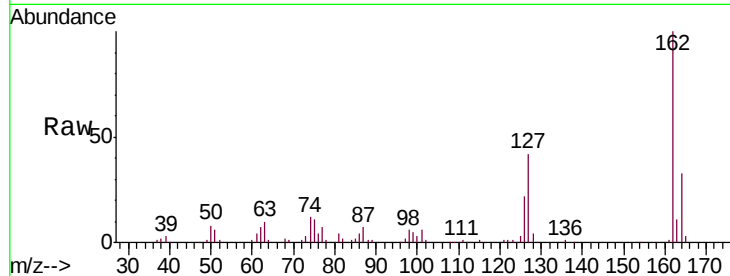




#47  
 2-Chloronaphthalene  
 Concen: 45.998 ng  
 RT: 13.09 min Scan# 1717  
 Delta R.T. -0.01 min  
 Lab File: BM022222.D  
 Acq: 21 Aug 2019 10:49

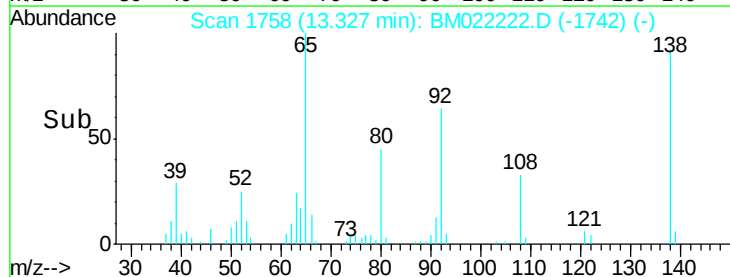
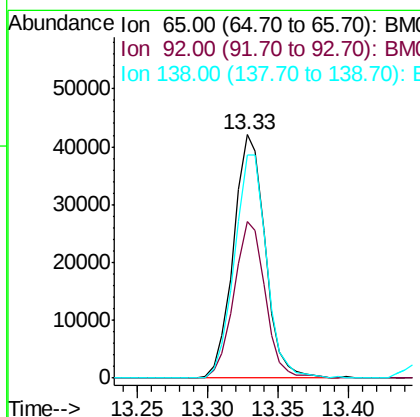
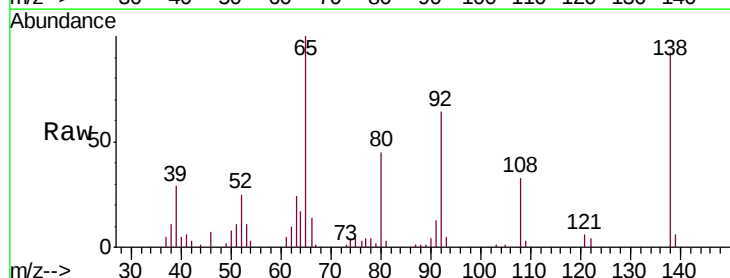
Instrument :  
 BNA\_M  
 ClientSampleId :  
 REACTOR-3-C1-C4-(3)MS

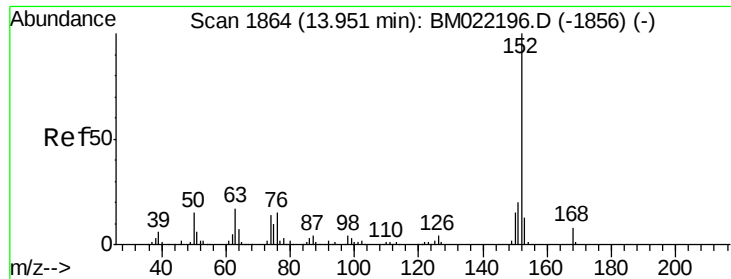
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 42.1  | 29.4  | 44.2  |
| 164     | 32.9  | 26.5  | 39.7  |



#48  
 2-Nitroaniline  
 Concen: 41.938 ng  
 RT: 13.33 min Scan# 1758  
 Delta R.T. -0.01 min  
 Lab File: BM022222.D  
 Acq: 21 Aug 2019 10:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 64.2  | 56.3  | 84.5  |
| 138     | 91.5  | 92.6  | 139.0 |





#49

Acenaphthylene

Concen: 46.021 ng

RT: 13.95 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

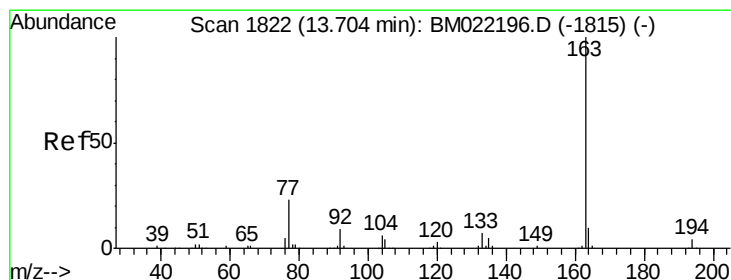
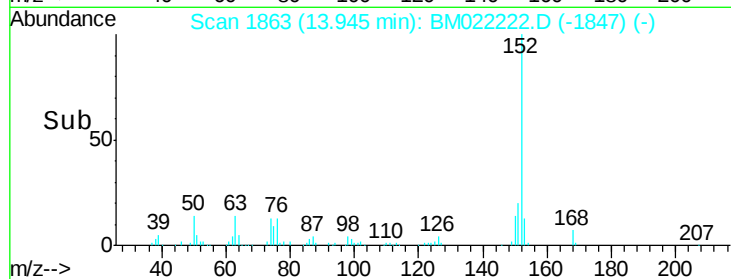
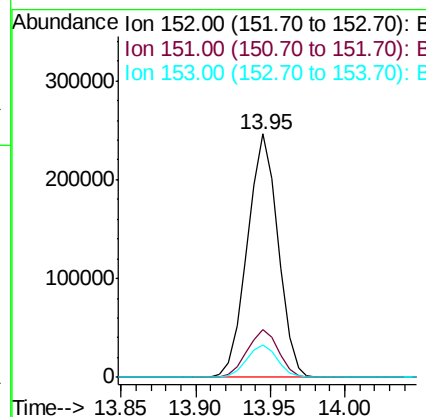
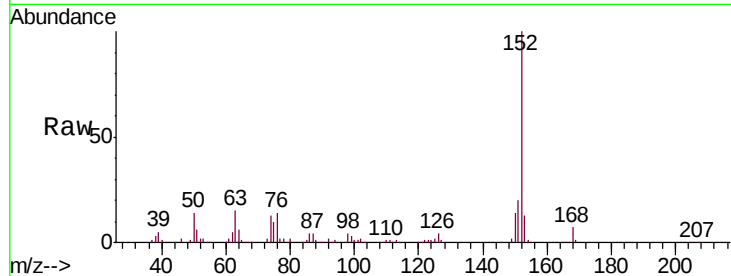
Instrument :

BNA\_M

ClientSampleId :

REACTOR-3-C1-C4-(3)MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 152   | Resp: | 350735 |
| Ion      | Ratio | Lower | Upper  |
| 152      | 100   |       |        |
| 151      | 19.7  | 16.1  | 24.1   |
| 153      | 13.4  | 10.6  | 16.0   |



#50

Dimethylphthalate

Concen: 50.655 ng

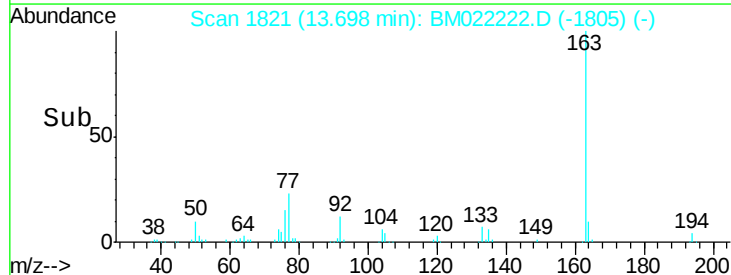
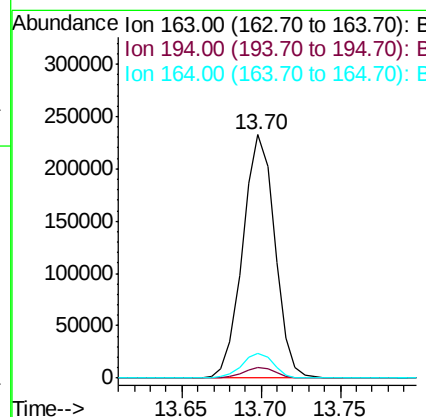
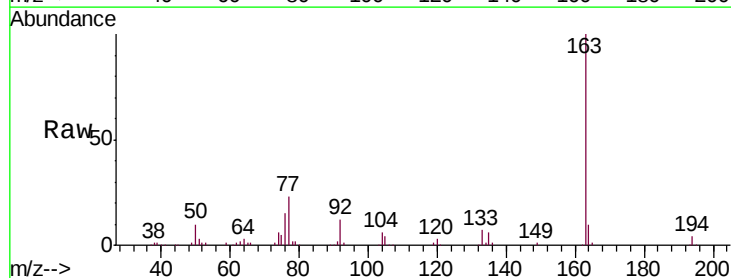
RT: 13.70 min Scan# 1821

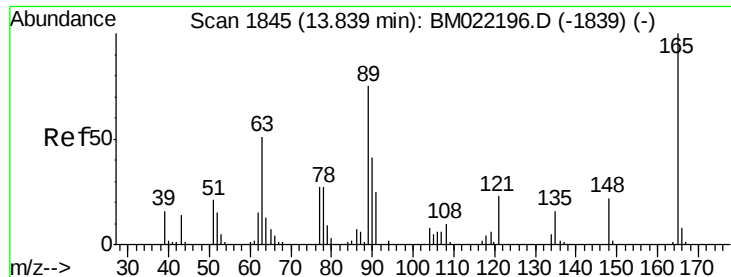
Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 163   | Resp: | 326937 |
| Ion      | Ratio | Lower | Upper  |
| 163      | 100   |       |        |
| 194      | 4.2   | 3.4   | 5.2    |
| 164      | 10.1  | 8.2   | 12.2   |





#51

2,6-Dinitrotoluene

Concen: 45.422 ng

RT: 13.83 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

Instrument :

BNA\_M

ClientSampleId :

REACTOR-3-C1-C4-(3)MS

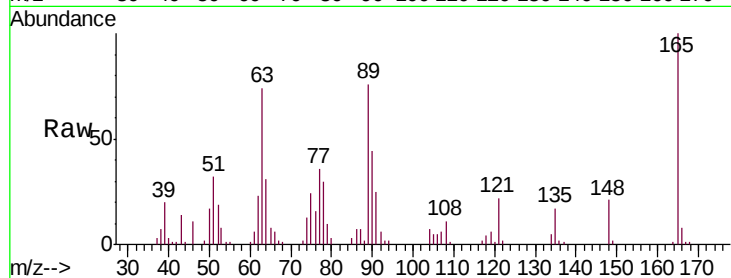
Tgt Ion:165 Resp: 57894

Ion Ratio Lower Upper

165 100

63 73.6 37.8 56.6#

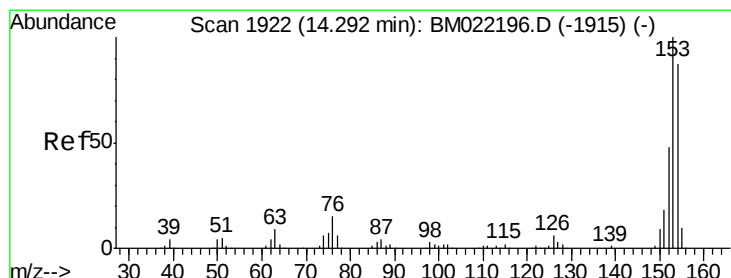
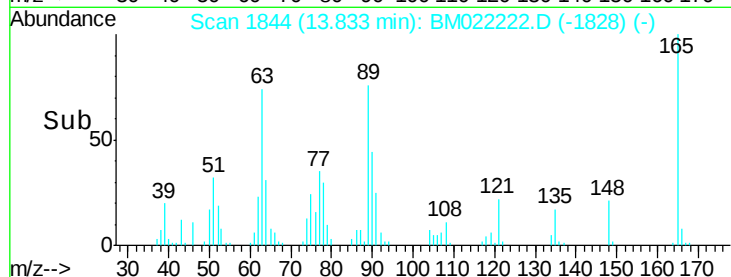
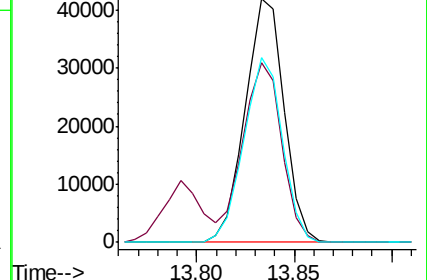
89 75.9 39.7 59.5#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0



#52

Acenaphthene

Concen: 46.829 ng

RT: 14.29 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

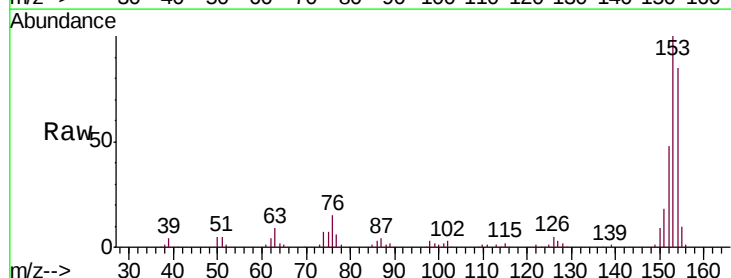
Tgt Ion:154 Resp: 208128

Ion Ratio Lower Upper

154 100

153 118.2 91.5 137.3

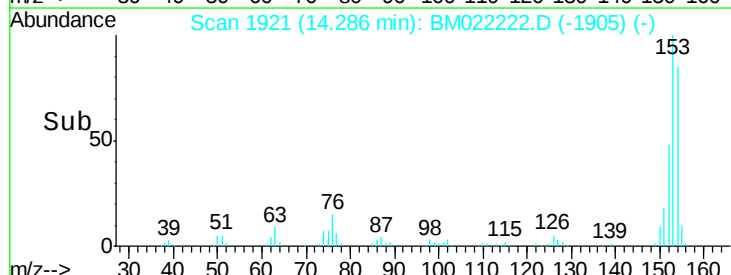
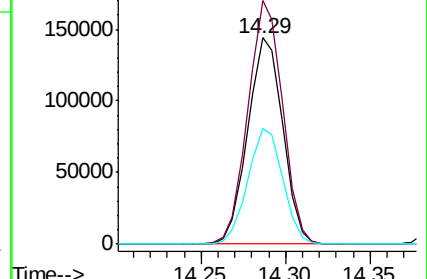
152 56.2 42.3 63.5

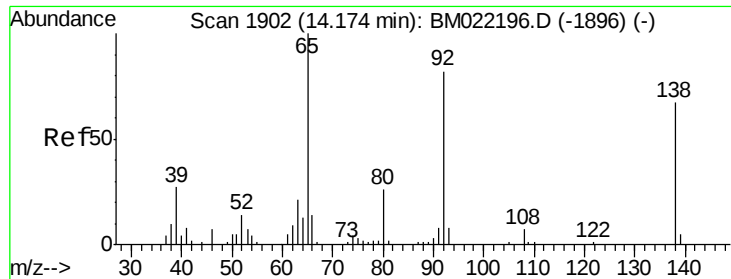


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 17.857 ng

RT: 14.17 min Scan# 1902

Delta R.T. 0.00 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

Instrument :

BNA\_M

ClientSampleId :

REACTOR-3-C1-C4-(3)MS

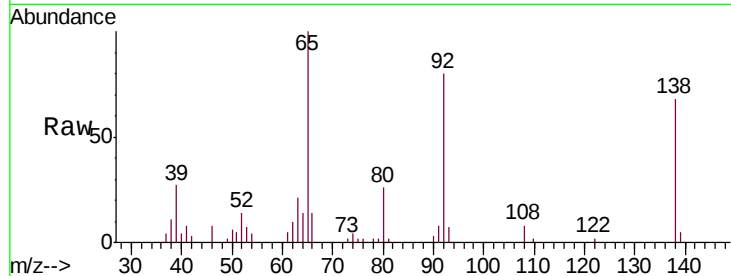
Tgt Ion:138 Resp: 22666

Ion Ratio Lower Upper

138 100

108 11.5 9.0 13.4

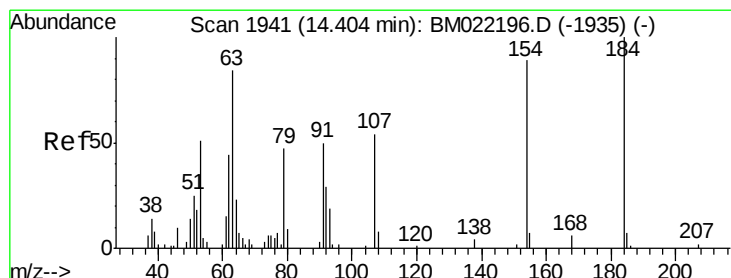
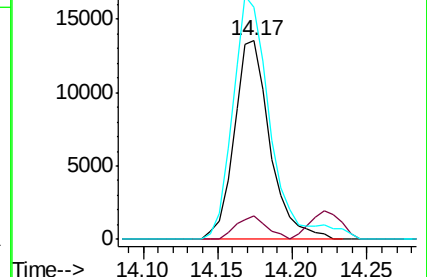
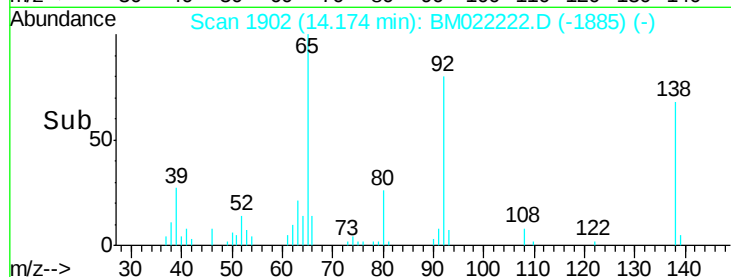
92 117.3 92.2 138.2



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): BM



#54

2,4-Dinitrophenol

Concen: 71.869 ng

RT: 14.40 min Scan# 1940

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

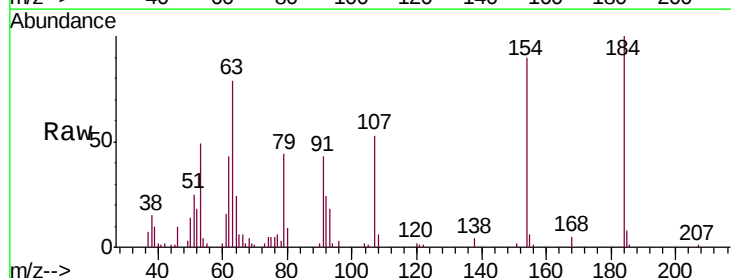
Tgt Ion:184 Resp: 51779

Ion Ratio Lower Upper

184 100

63 79.2 45.5 68.3#

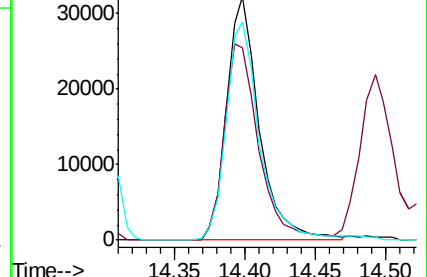
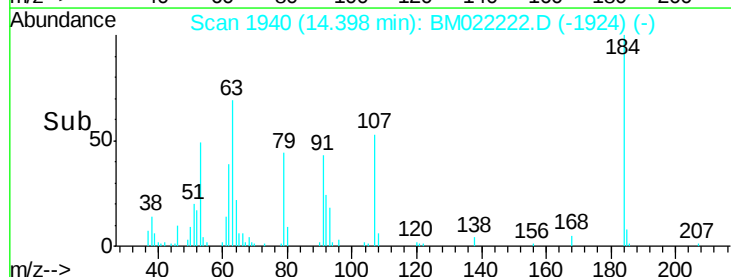
154 89.6 50.6 76.0#

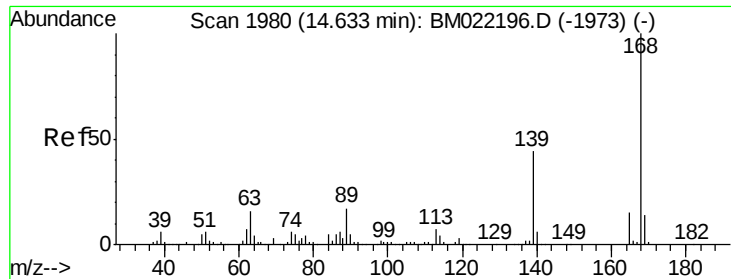


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 154.00 (153.70 to 154.70): E

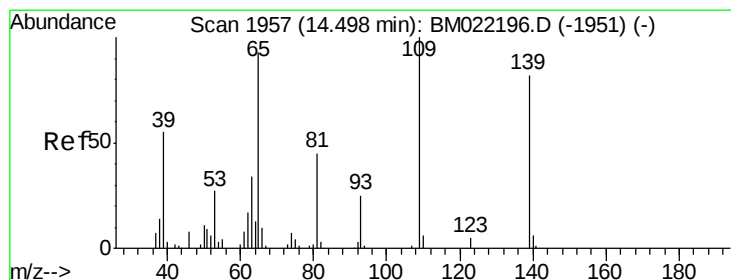
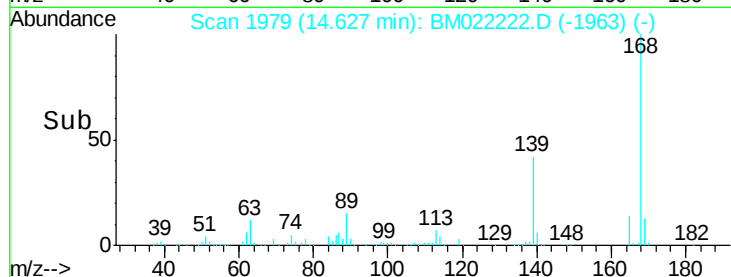
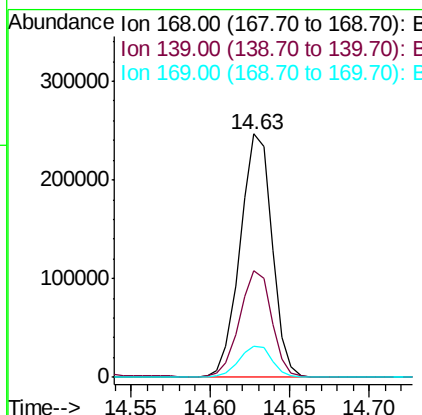
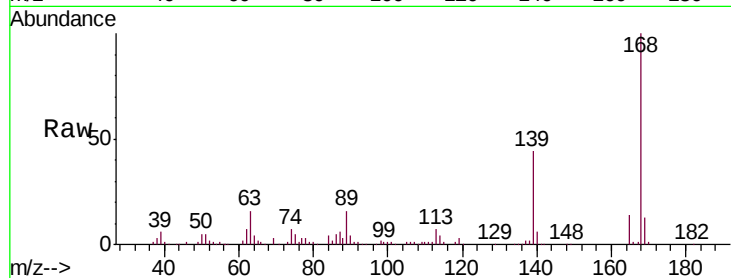




#55  
Dibenzenofuran  
Concen: 46.733 ng  
RT: 14.63 min Scan# 1979  
Delta R.T. -0.01 min  
Lab File: BM022222.D  
Acq: 21 Aug 2019 10:49

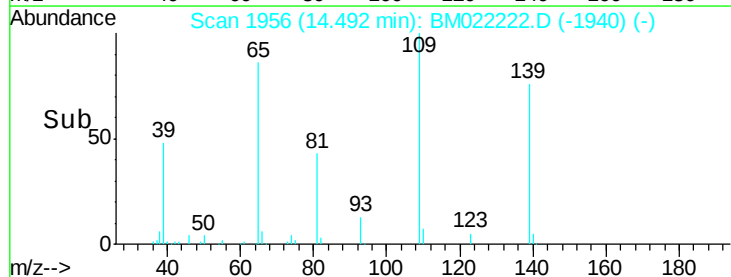
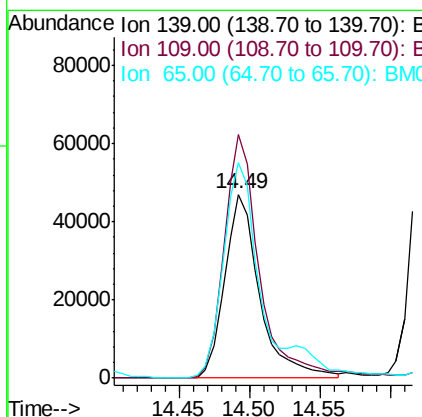
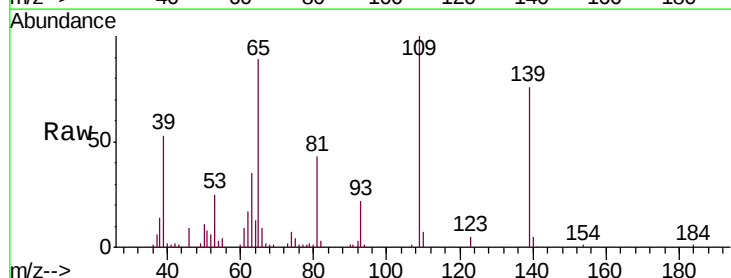
Instrument :  
BNA\_M  
ClientSampleId :  
REACTOR-3-C1-C4-(3)MS

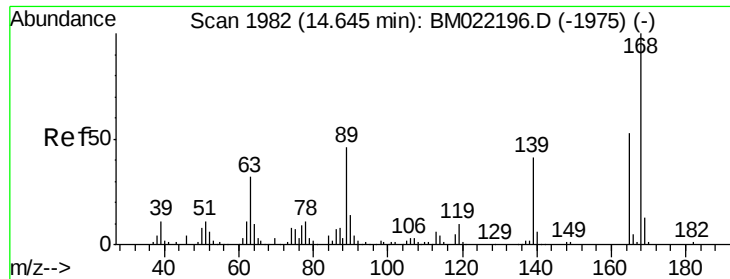
Tgt Ion:168 Resp: 345134  
Ion Ratio Lower Upper  
168 100  
139 43.7 28.4 42.6#  
169 12.9 10.6 16.0



#56  
4-Nitrophenol  
Concen: 96.051 ng  
RT: 14.49 min Scan# 1956  
Delta R.T. -0.01 min  
Lab File: BM022222.D  
Acq: 21 Aug 2019 10:49

Tgt Ion:139 Resp: 81257  
Ion Ratio Lower Upper  
139 100  
109 132.4 53.3 93.3#  
65 117.3 70.3 110.3#

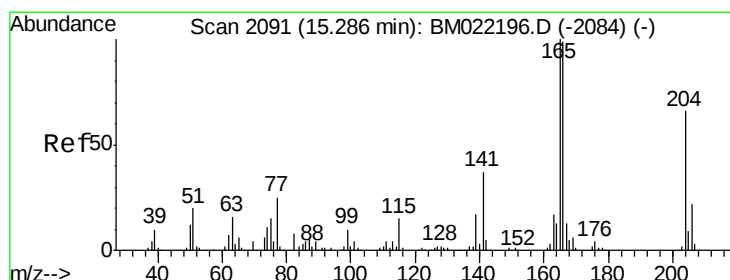
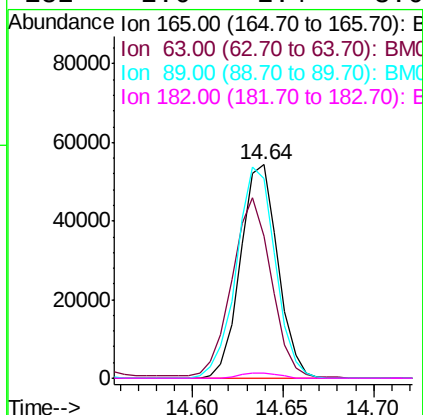
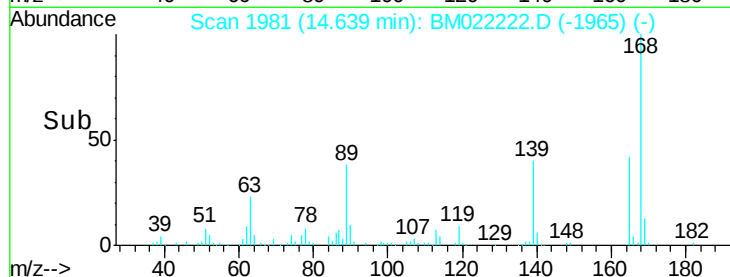
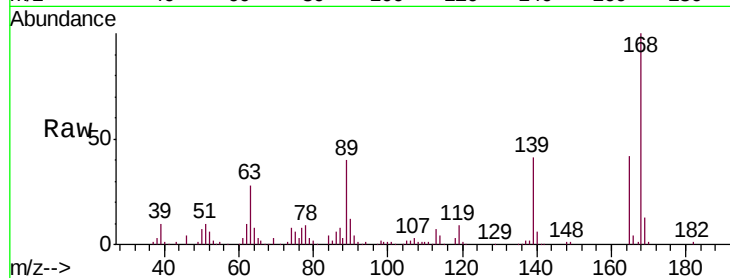




#57  
 2,4-Dinitrotoluene  
 Concen: 42.561 ng  
 RT: 14.64 min Scan# 1981  
 Delta R.T. -0.01 min  
 Lab File: BM022222.D  
 Acq: 21 Aug 2019 10:49

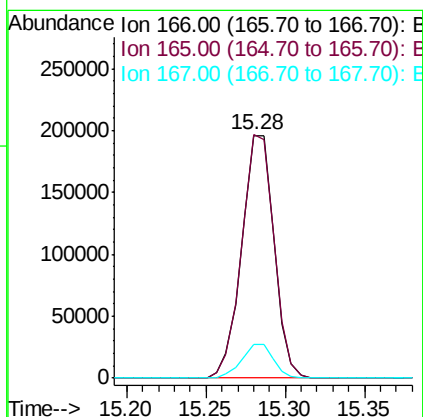
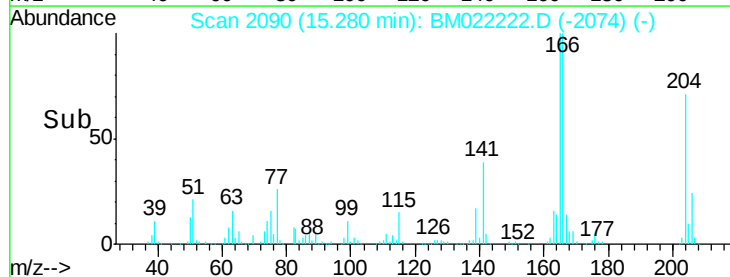
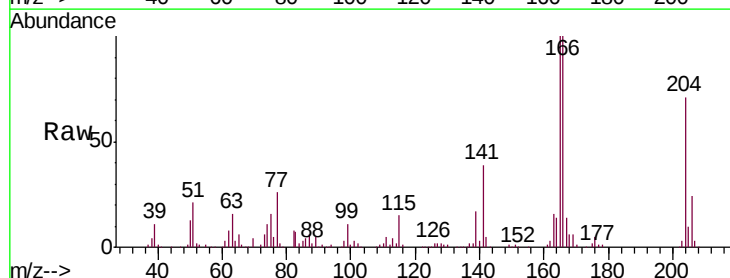
Instrument :  
 BNA\_M  
 ClientSampleId :  
 REACTOR-3-C1-C4-(3)MS

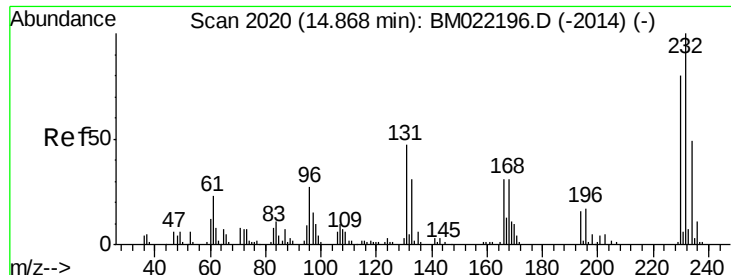
Tgt Ion:165 Resp: 77878  
 Ion Ratio Lower Upper  
 165 100  
 63 66.8 29.6 44.4#  
 89 93.7 49.5 74.3#  
 182 2.6 2.4 3.6



#58  
 Fluorene  
 Concen: 44.653 ng  
 RT: 15.28 min Scan# 2090  
 Delta R.T. -0.01 min  
 Lab File: BM022222.D  
 Acq: 21 Aug 2019 10:49

Tgt Ion:166 Resp: 278006  
 Ion Ratio Lower Upper  
 166 100  
 165 100.2 78.6 117.8  
 167 13.8 10.9 16.3

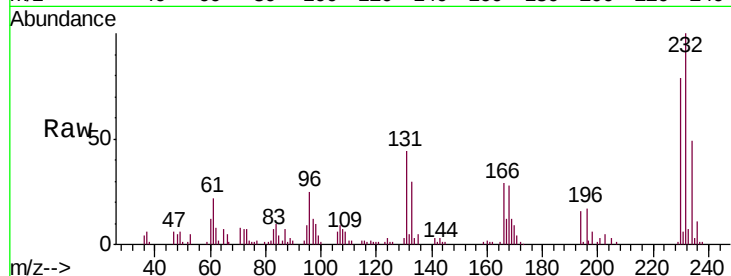




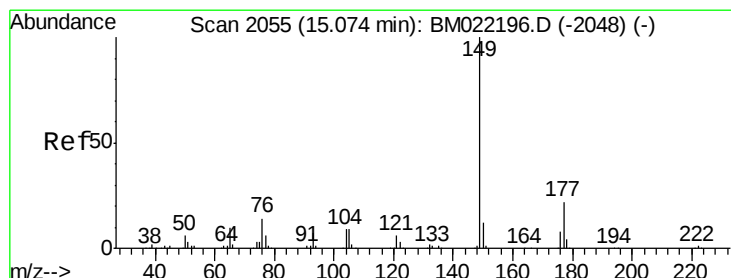
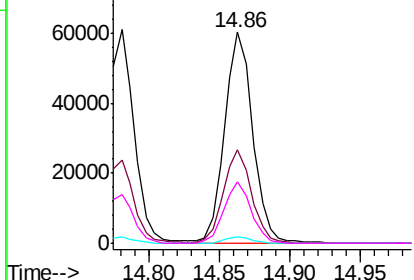
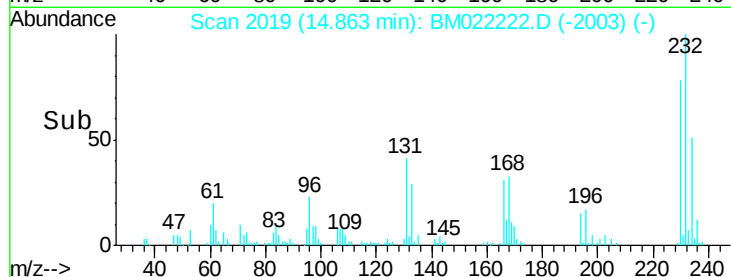
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 46.139 ng  
 RT: 14.86 min Scan# 2019  
 Delta R.T. -0.01 min  
 Lab File: BM022222.D  
 Acq: 21 Aug 2019 10:49

Instrument :  
 BNA\_M  
 ClientSampleId :  
 REACTOR-3-C1-C4-(3)MS

Tgt Ion: 232 Resp: 84110  
 Ion Ratio Lower Upper  
 232 100  
 131 43.9 30.6 46.0  
 130 2.8 1.7 2.5#  
 166 27.8 23.4 35.0

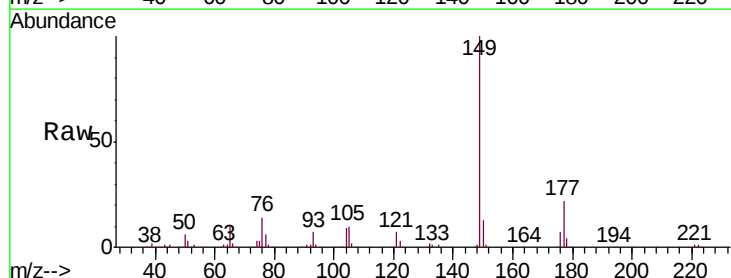


Abundance Ion 232.00 (231.70 to 232.70): E  
 Ion 131.00 (130.70 to 131.70): E  
 Ion 130.00 (129.70 to 130.70): E  
 Ion 166.00 (165.70 to 166.70): E

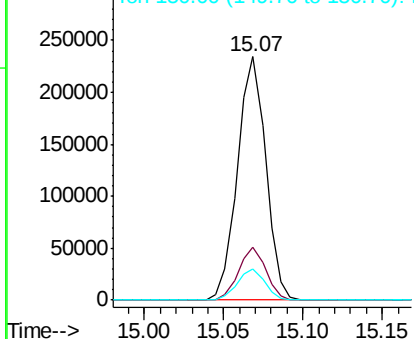
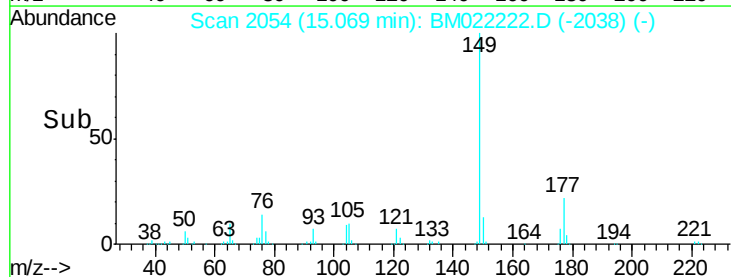


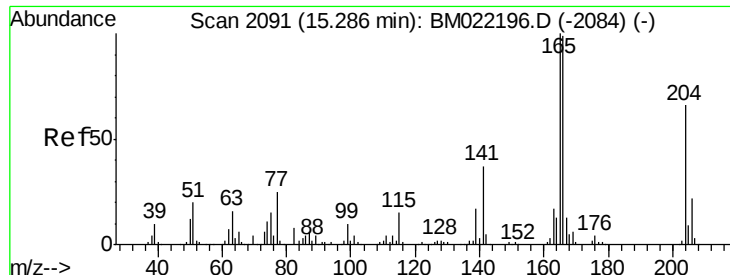
#60  
 Diethylphthalate  
 Concen: 42.651 ng  
 RT: 15.07 min Scan# 2054  
 Delta R.T. -0.01 min  
 Lab File: BM022222.D  
 Acq: 21 Aug 2019 10:49

Tgt Ion: 149 Resp: 290281  
 Ion Ratio Lower Upper  
 149 100  
 177 21.6 19.1 28.7  
 150 13.0 10.1 15.1



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 177.00 (176.70 to 177.70): E  
 Ion 150.00 (149.70 to 150.70): E

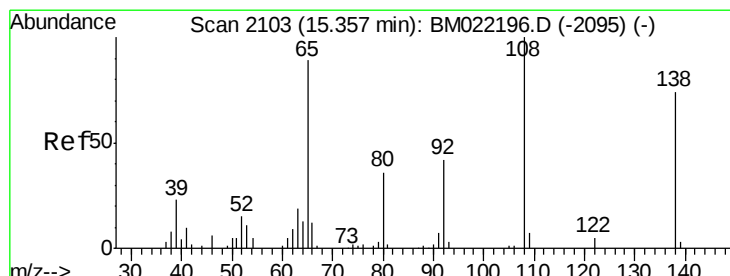
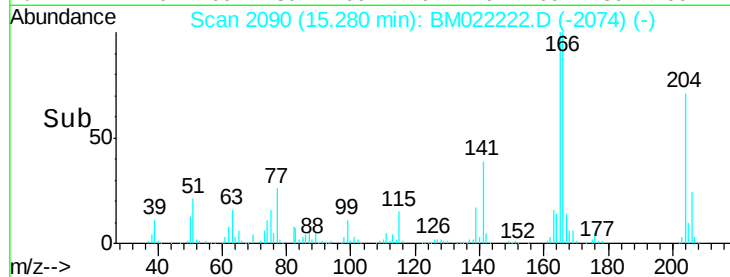
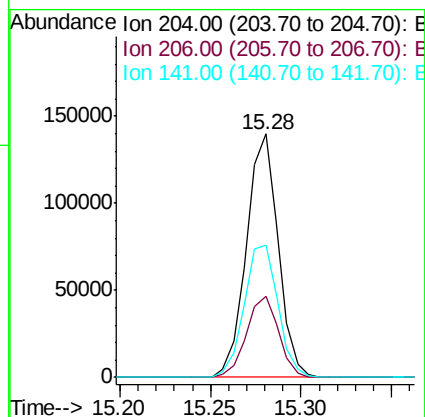
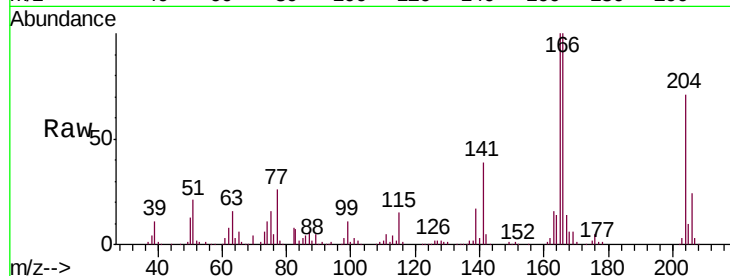




#61  
 4-Chlorophenyl-phenylether  
 Concen: 43.286 ng  
 RT: 15.28 min Scan# 2090  
 Delta R.T. -0.01 min  
 Lab File: BM022222.D  
 Acq: 21 Aug 2019 10:49

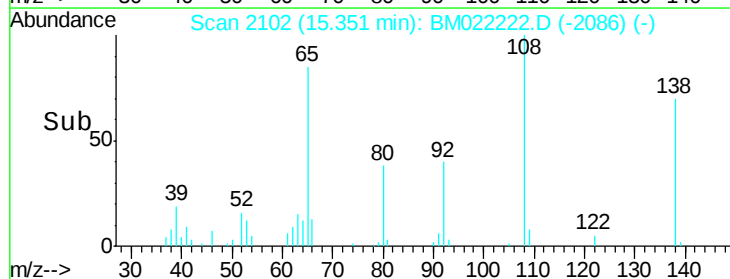
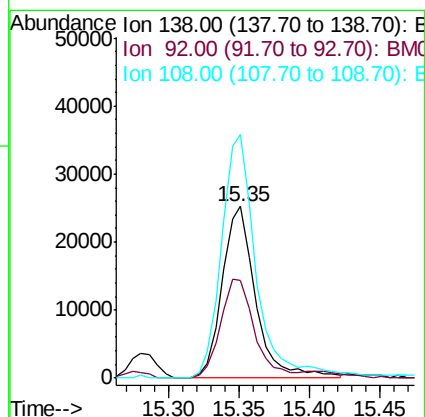
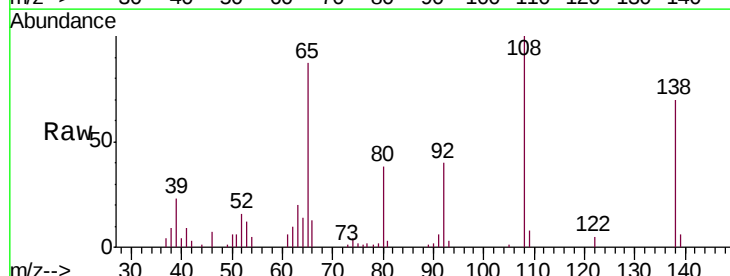
Instrument :  
 BNA\_M  
 ClientSampleId :  
 REACTOR-3-C1-C4-(3)MS

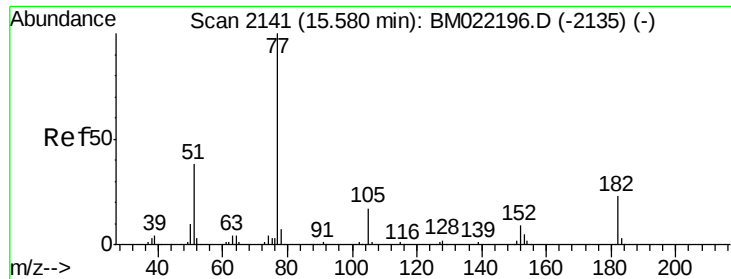
Tgt Ion: 204 Resp: 169843  
 Ion Ratio Lower Upper  
 204 100  
 206 33.4 26.1 39.1  
 141 54.2 40.7 61.1



#62  
 4-Nitroaniline  
 Concen: 35.508 ng  
 RT: 15.35 min Scan# 2102  
 Delta R.T. -0.01 min  
 Lab File: BM022222.D  
 Acq: 21 Aug 2019 10:49

Tgt Ion: 138 Resp: 41715  
 Ion Ratio Lower Upper  
 138 100  
 92 57.2 29.1 69.1  
 108 141.9 59.2 99.2#





#63

Azobenzene

Concen: 44.627 ng

RT: 15.57 min Scan# 2140

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

Instrument :

BNA\_M

ClientSampleId :

REACTOR-3-C1-C4-(3)MS

Tgt Ion: 77 Resp: 292681

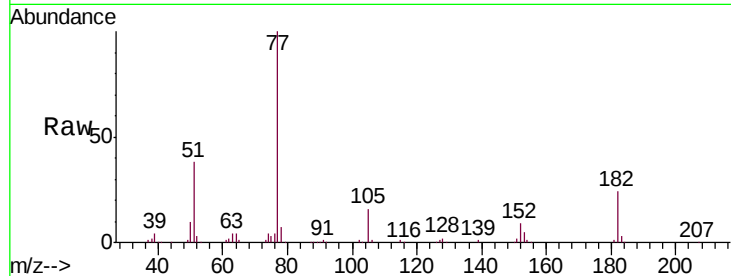
Ion Ratio Lower Upper

77 100

182 24.2 12.6 52.6

105 15.7 1.1 41.1

51 38.3 6.9 46.9

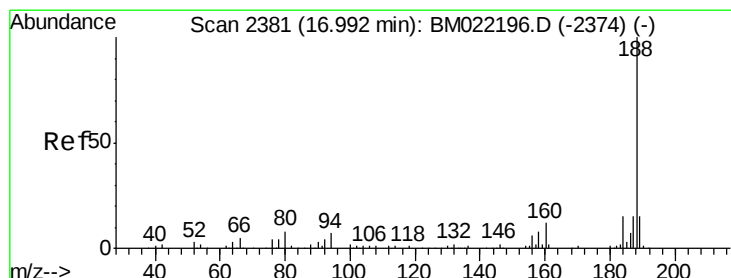
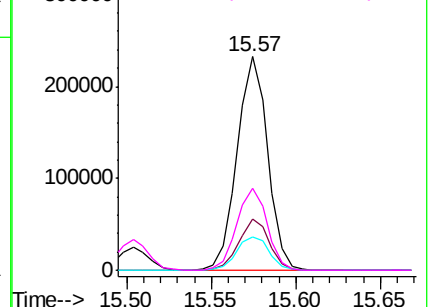
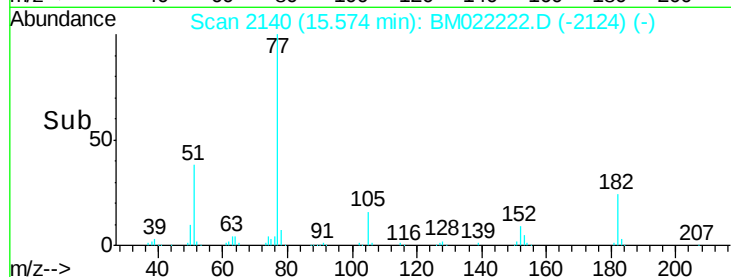


Abundance Ion 77.00 (76.70 to 77.70): BM0

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): BM0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.99 min Scan# 2380

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

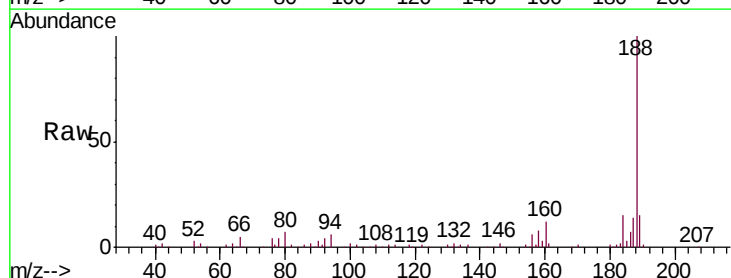
Tgt Ion: 188 Resp: 142772

Ion Ratio Lower Upper

188 100

94 6.1 5.8 8.8

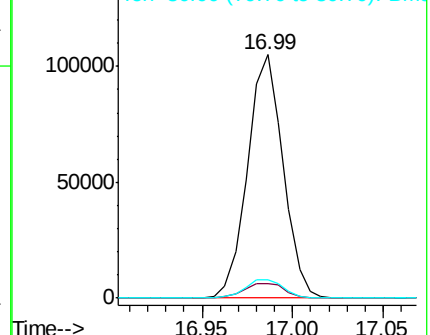
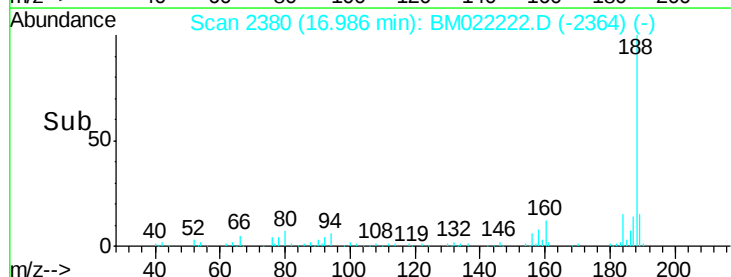
80 7.3 6.9 10.3

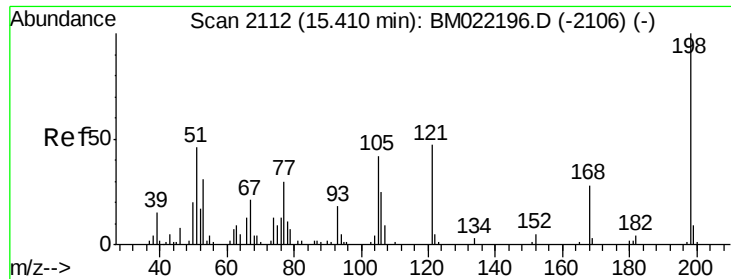


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

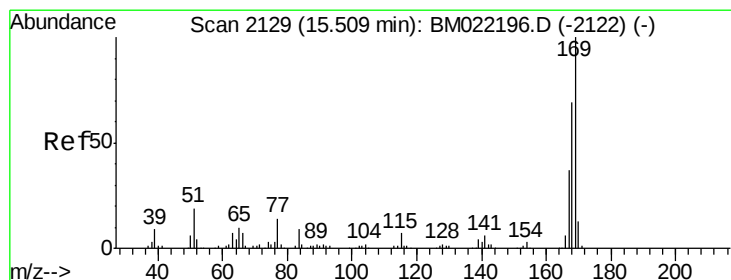
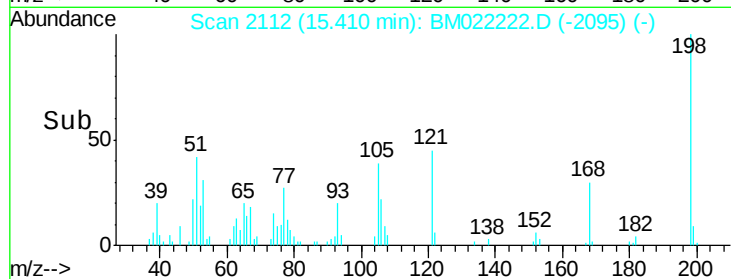
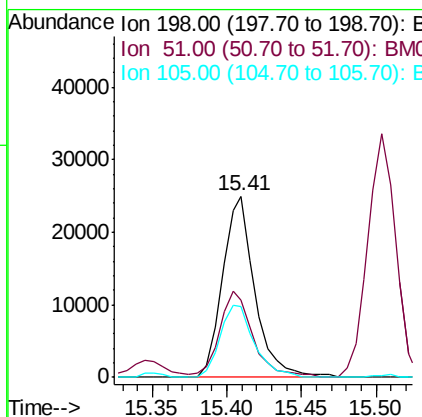
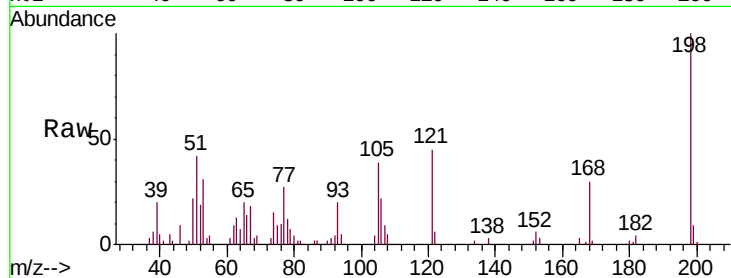




#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 41.970 ng  
 RT: 15.41 min Scan# 2112  
 Delta R.T. 0.00 min  
 Lab File: BM022222.D  
 Acq: 21 Aug 2019 10:49

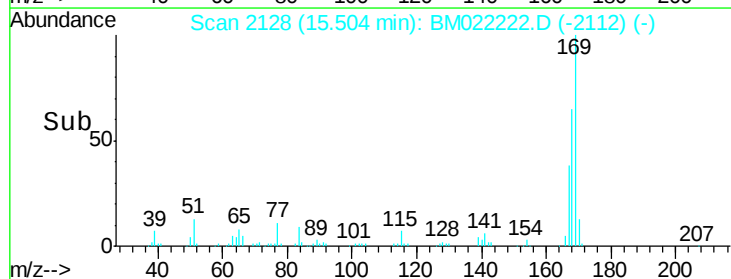
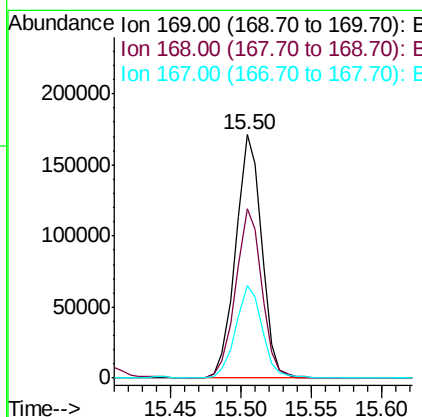
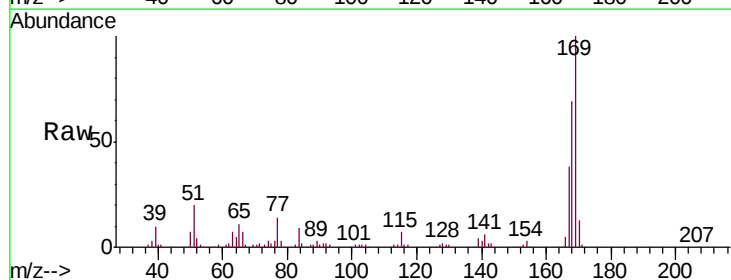
Instrument :  
 BNA\_M  
 ClientSampleId :  
 REACTOR-3-C1-C4-(3)MS

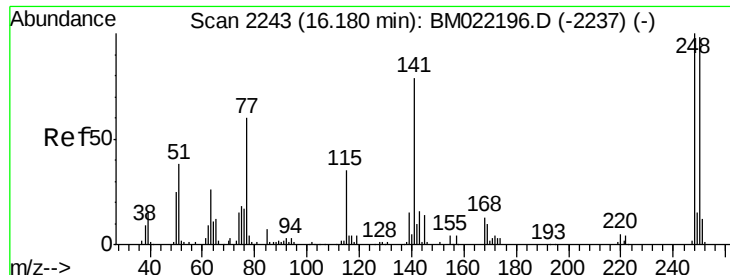
Tgt Ion:198 Resp: 37819  
 Ion Ratio Lower Upper  
 198 100  
 51 42.4 15.3 55.3  
 105 39.4 16.8 56.8



#66  
 n-Nitrosodiphenylamine  
 Concen: 47.987 ng  
 RT: 15.50 min Scan# 2128  
 Delta R.T. -0.01 min  
 Lab File: BM022222.D  
 Acq: 21 Aug 2019 10:49

Tgt Ion:169 Resp: 219681  
 Ion Ratio Lower Upper  
 169 100  
 168 69.4 54.5 81.7  
 167 38.1 29.0 43.6

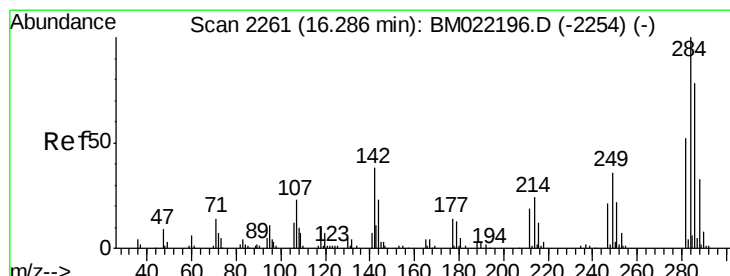
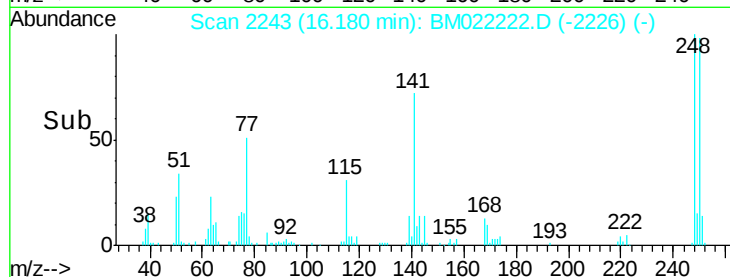
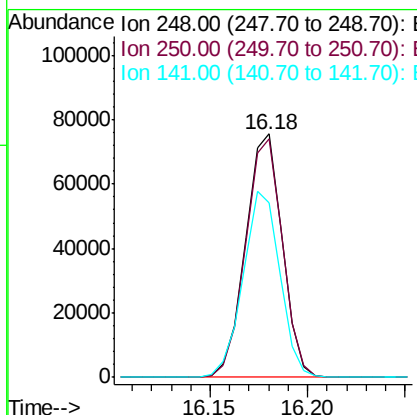
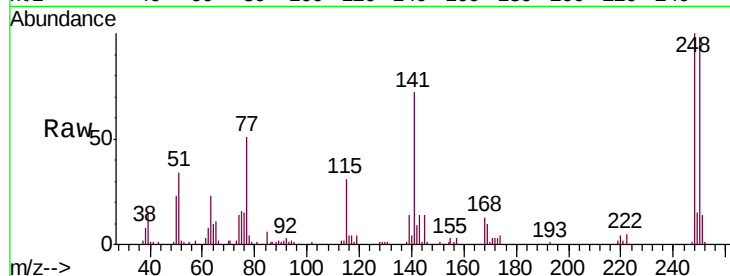




#67  
 4-Bromophenyl-phenylether  
 Concen: 46.527 ng  
 RT: 16.18 min Scan# 2243  
 Delta R.T. 0.00 min  
 Lab File: BM022222.D  
 Acq: 21 Aug 2019 10:49

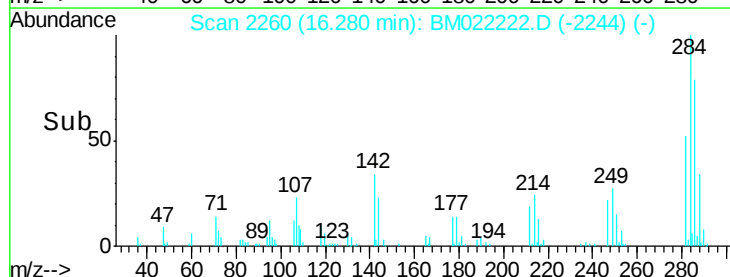
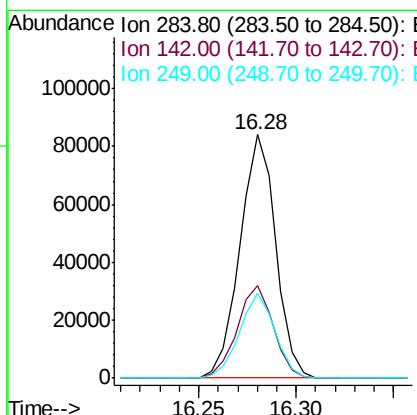
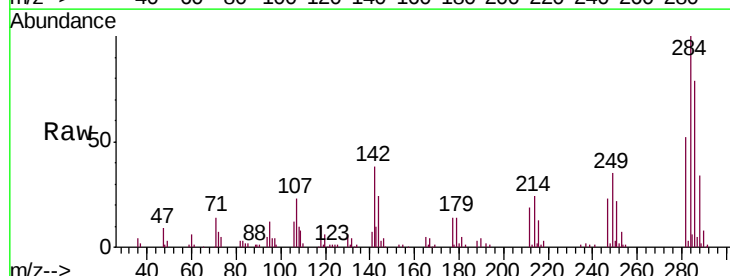
Instrument :  
 BNA\_M  
 ClientSampleId :  
 REACTOR-3-C1-C4-(3)MS

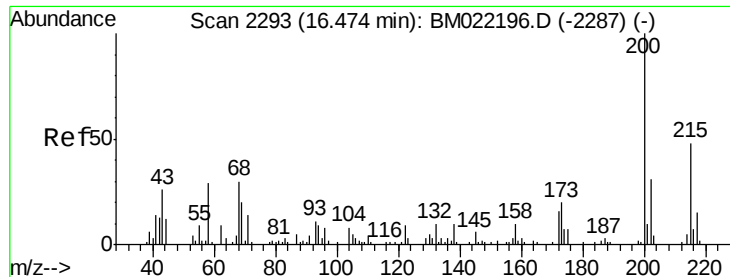
Tgt Ion:248 Resp: 98435  
 Ion Ratio Lower Upper  
 248 100  
 250 97.7 77.5 116.3  
 141 71.8 47.8 71.6#



#68  
 Hexachlorobenzene  
 Concen: 44.360 ng  
 RT: 16.28 min Scan# 2260  
 Delta R.T. -0.01 min  
 Lab File: BM022222.D  
 Acq: 21 Aug 2019 10:49

Tgt Ion:284 Resp: 106623  
 Ion Ratio Lower Upper  
 284 100  
 142 38.3 21.2 31.8#  
 249 35.1 23.4 35.0#

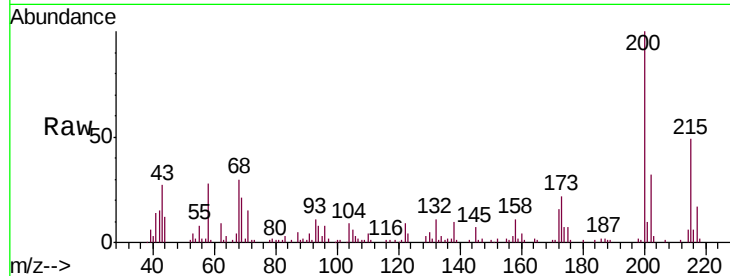




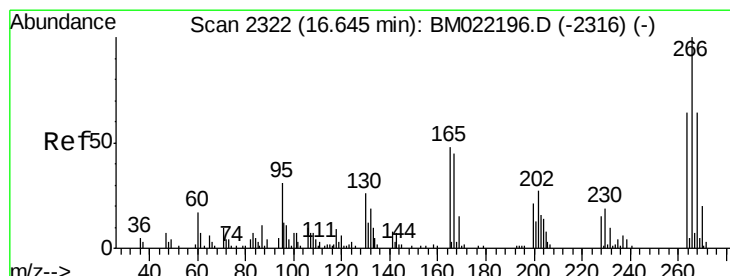
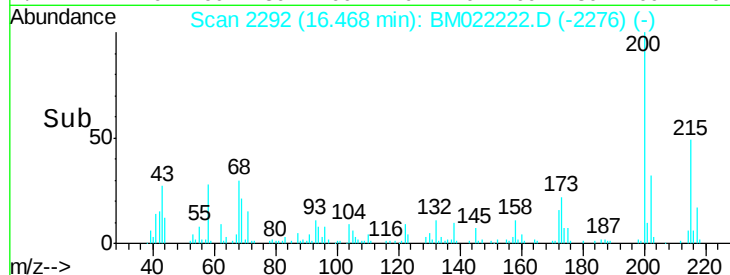
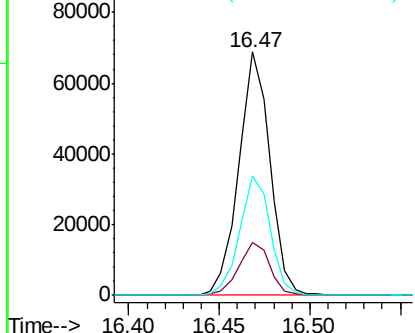
#69  
 Atrazine  
 Concen: 54.231 ng  
 RT: 16.47 min Scan# 2292  
 Delta R.T. -0.01 min  
 Lab File: BM022222.D  
 Acq: 21 Aug 2019 10:49

Instrument :  
 BNA\_M  
 ClientSampleId :  
 REACTOR-3-C1-C4-(3)MS

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 21.5  | 4.3   | 44.3  |
| 215     | 48.9  | 28.2  | 68.2  |

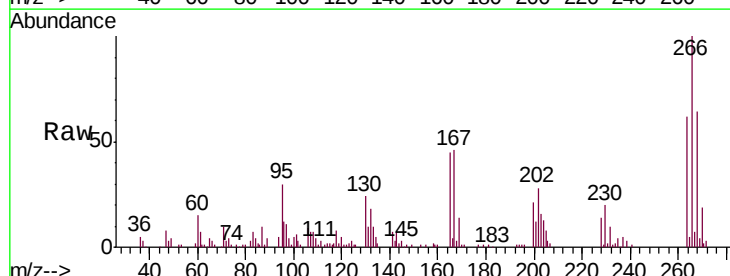


Abundance Ion 200.00 (199.70 to 200.70): E  
 Ion 173.00 (172.70 to 173.70): E  
 Ion 215.00 (214.70 to 215.70): E

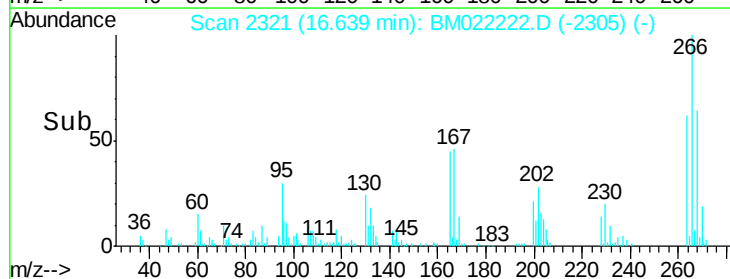
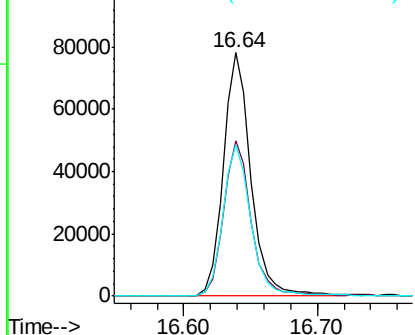


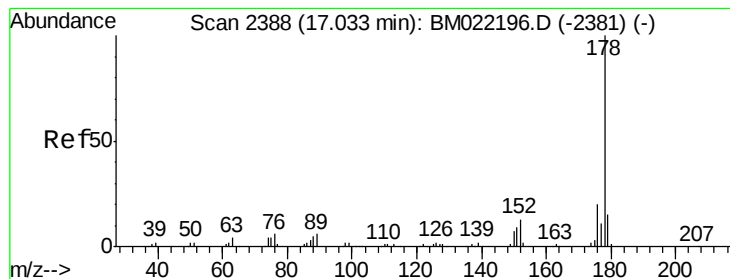
#70  
 Pentachlorophenol  
 Concen: 96.908 ng  
 RT: 16.64 min Scan# 2321  
 Delta R.T. -0.01 min  
 Lab File: BM022222.D  
 Acq: 21 Aug 2019 10:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.9  | 51.0  | 76.4  |
| 264     | 62.1  | 49.9  | 74.9  |



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: 61.140 ng

RT: 17.03 min Scan# 2387

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

Instrument :

BNA\_M

ClientSampleId :

REACTOR-3-C1-C4-(3)MS

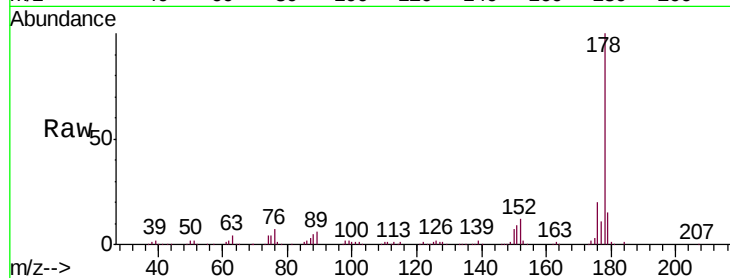
Tgt Ion:178 Resp: 506209

Ion Ratio Lower Upper

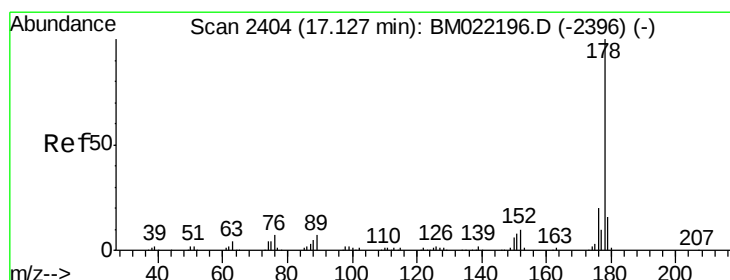
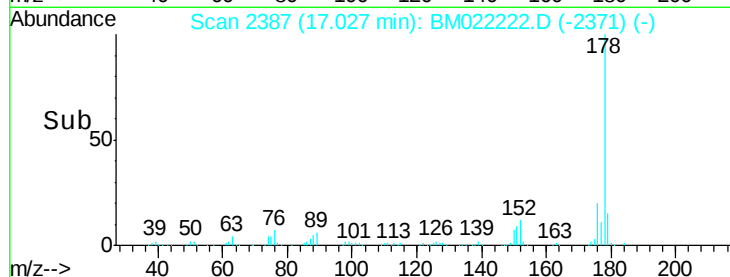
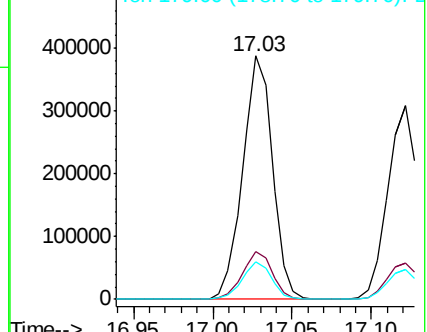
178 100

176 19.6 15.2 22.8

179 15.2 12.2 18.4



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



#72

Anthracene

Concen: 50.322 ng

RT: 17.12 min Scan# 2403

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

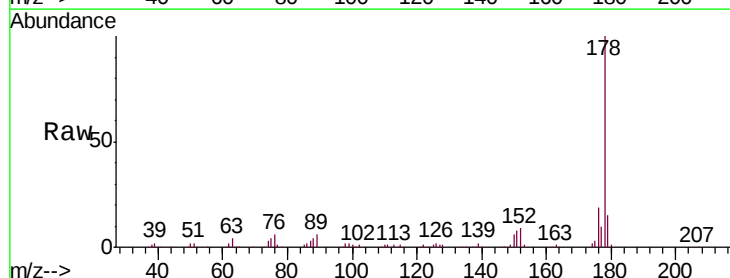
Tgt Ion:178 Resp: 413587

Ion Ratio Lower Upper

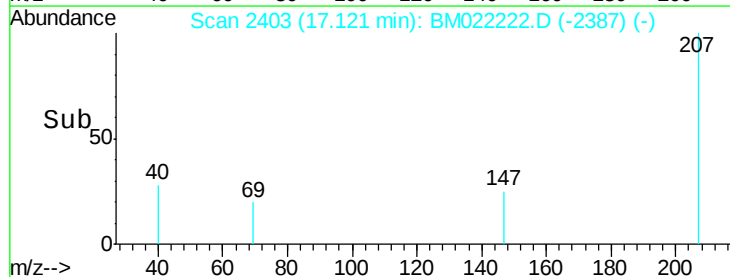
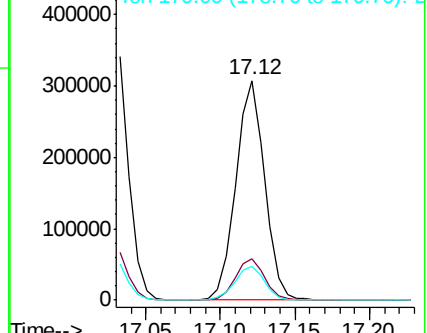
178 100

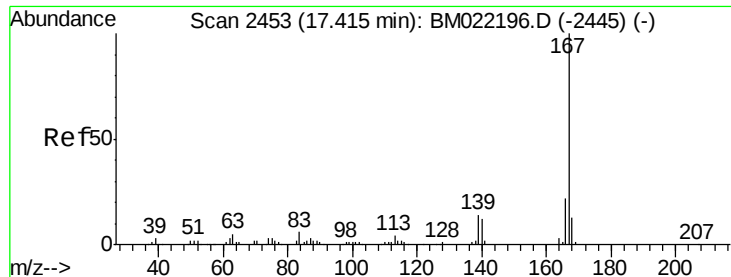
176 18.8 14.7 22.1

179 15.3 12.2 18.2



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: 44.763 ng

RT: 17.40 min Scan# 2451

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

Instrument :

BNA\_M

ClientSampleId :

REACTOR-3-C1-C4-(3)MS

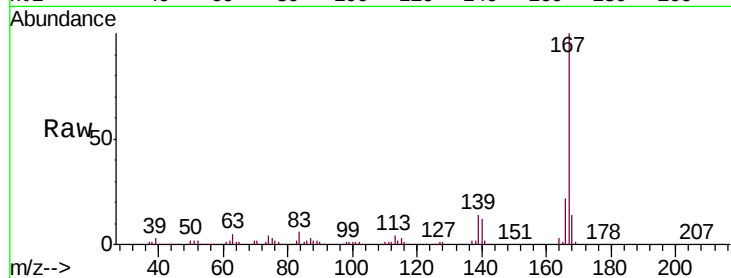
Tgt Ion:167 Resp: 306991

Ion Ratio Lower Upper

167 100

166 22.2 17.4 26.2

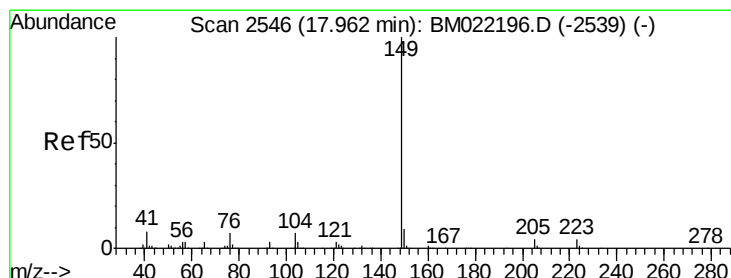
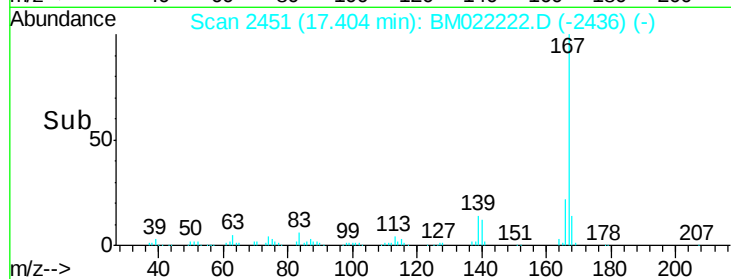
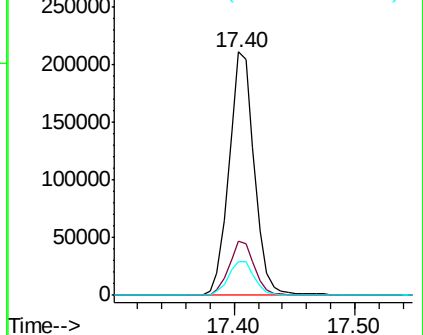
139 14.1 9.7 14.5



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: 42.340 ng

RT: 17.96 min Scan# 2545

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

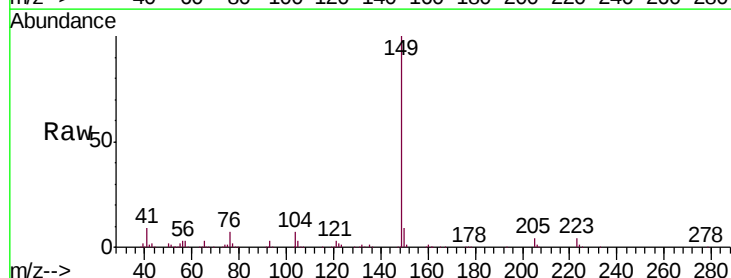
Tgt Ion:149 Resp: 440563

Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.0

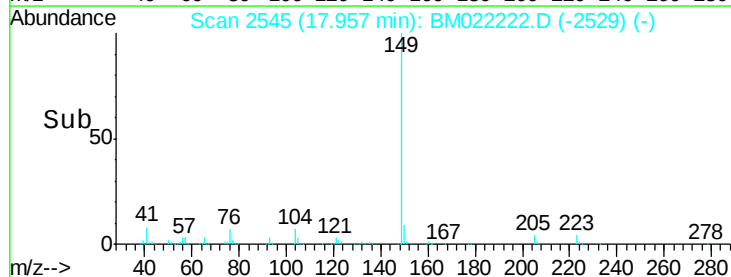
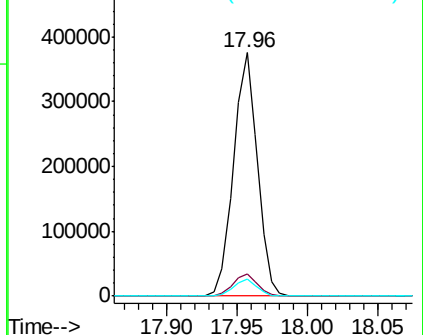
104 6.8 3.8 5.8#

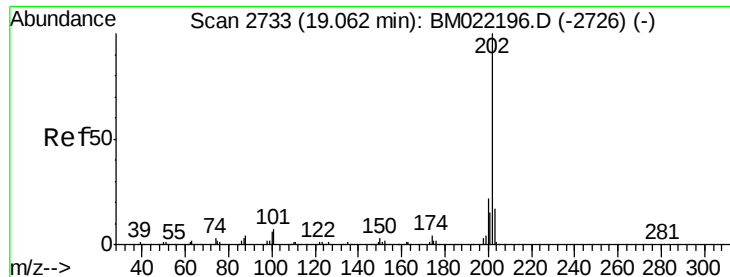


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 60.580 ng

RT: 19.06 min Scan# 2732

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

Instrument :

BNA\_M

ClientSampleId :

REACTOR-3-C1-C4-(3)MS

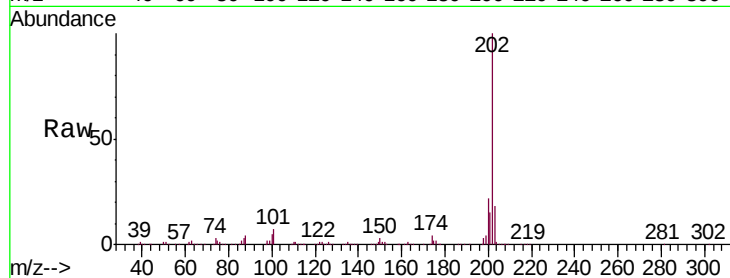
Tgt Ion:202 Resp: 604842

Ion Ratio Lower Upper

202 100

101 6.6 0.0 28.2

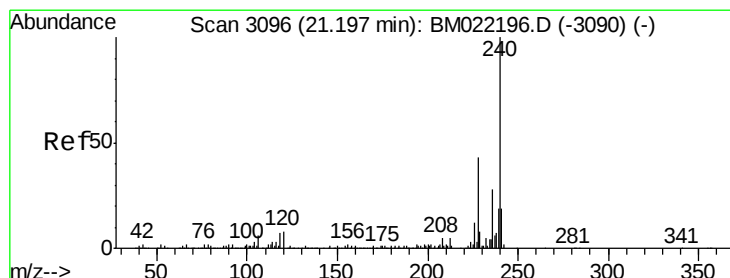
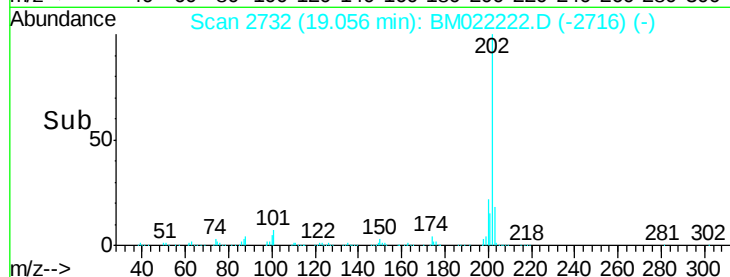
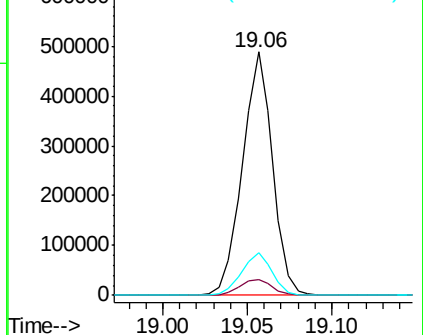
203 17.6 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.19 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

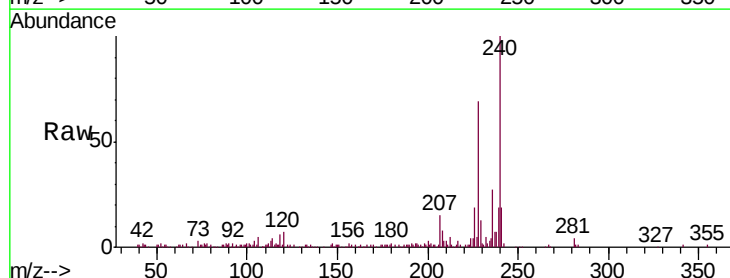
Tgt Ion:240 Resp: 127481

Ion Ratio Lower Upper

240 100

120 7.0 6.9 10.3

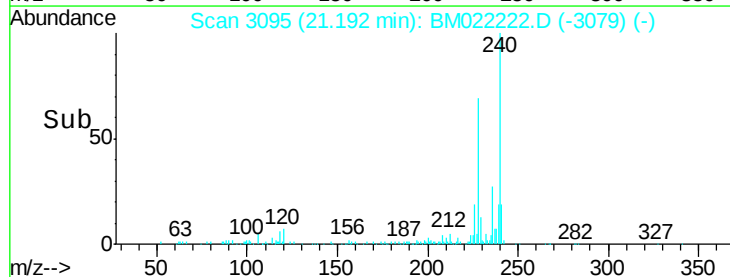
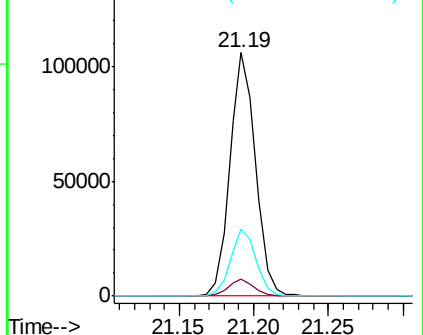
236 27.3 20.4 30.6

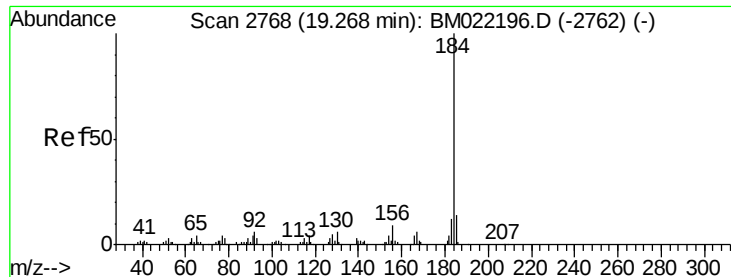


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 57.135 ng

RT: 19.26 min Scan# 2767

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

Instrument :

BNA\_M

ClientSampleId :

REACTOR-3-C1-C4-(3)MS

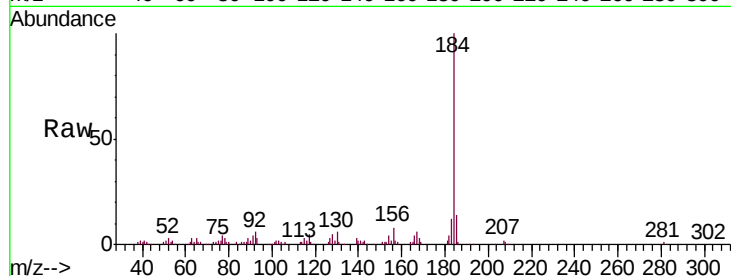
Tgt Ion:184 Resp: 163368

Ion Ratio Lower Upper

184 100

185 13.8 11.4 17.2

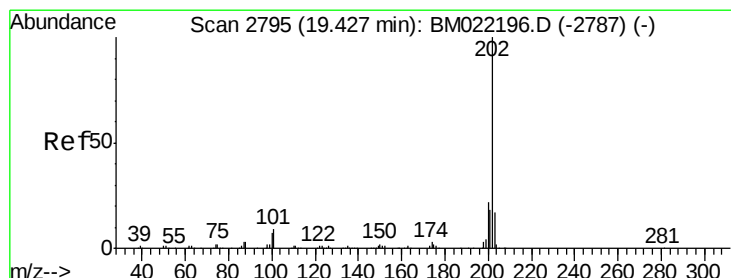
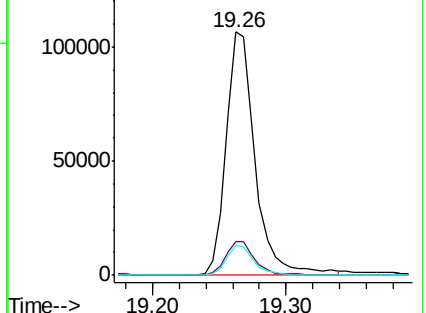
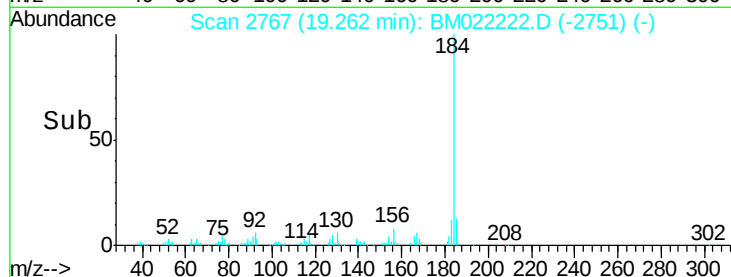
183 12.0 9.6 14.4



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 63.329 ng

RT: 19.42 min Scan# 2794

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

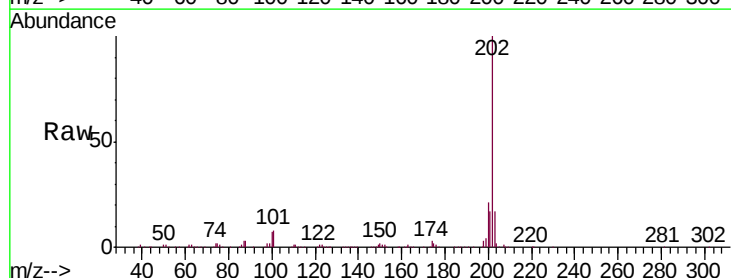
Tgt Ion:202 Resp: 568256

Ion Ratio Lower Upper

202 100

200 21.4 17.0 25.4

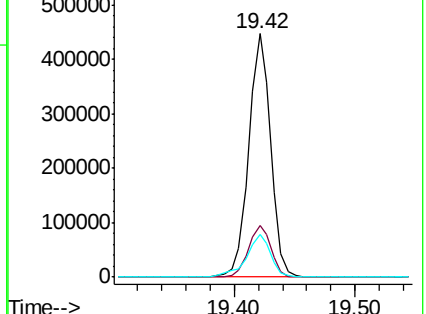
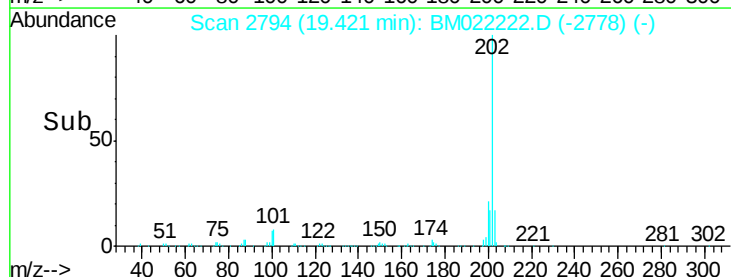
203 17.4 14.0 21.0

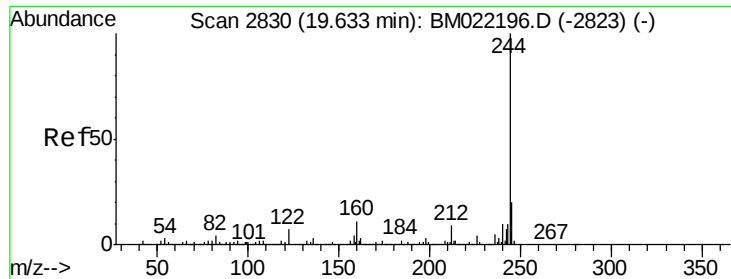


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 56.316 ng

RT: 19.63 min Scan# 2829

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

Instrument :

BNA\_M

ClientSampleId :

REACTOR-3-C1-C4-(3)MS

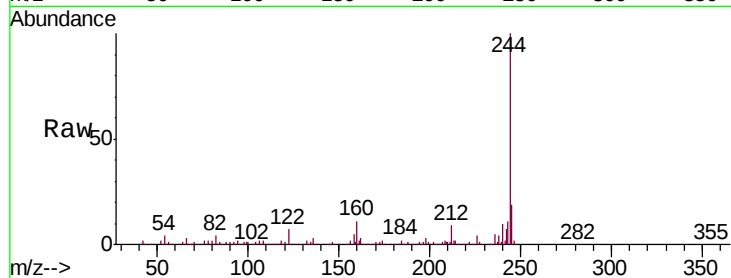
Tgt Ion:244 Resp: 492713

Ion Ratio Lower Upper

244 100

212 8.7 5.3 7.9#

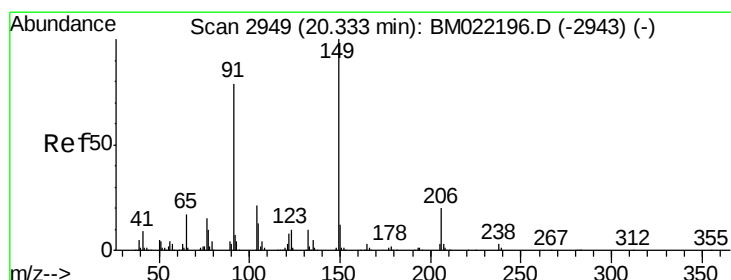
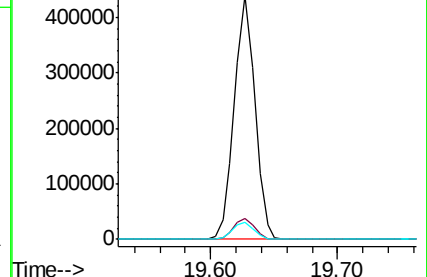
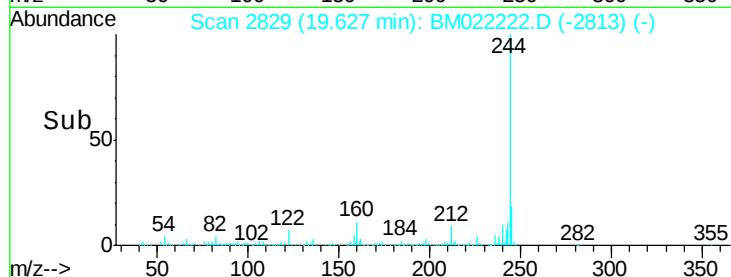
122 6.8 6.6 9.8



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: 43.537 ng

RT: 20.33 min Scan# 2949

Delta R.T. 0.00 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

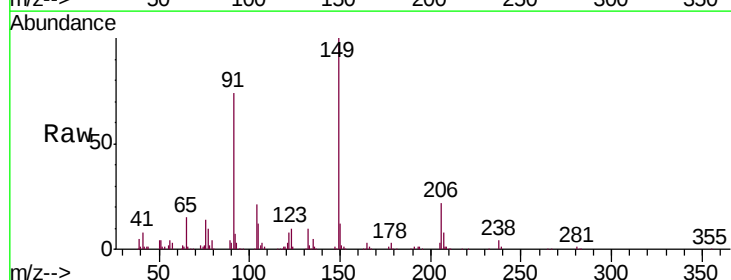
Tgt Ion:149 Resp: 174732

Ion Ratio Lower Upper

149 100

91 74.2 50.9 76.3

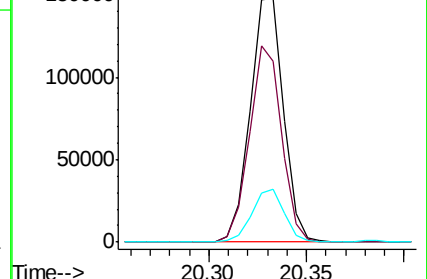
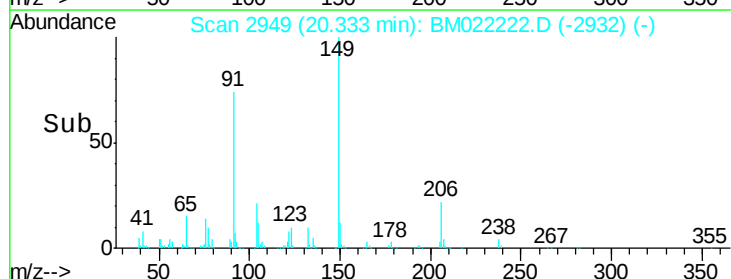
206 21.5 19.7 29.5

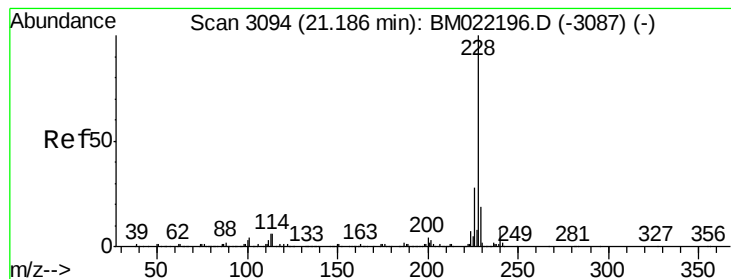


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 52.515 ng

RT: 21.18 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

Instrument :

BNA\_M

ClientSampleId :

REACTOR-3-C1-C4-(3)MS

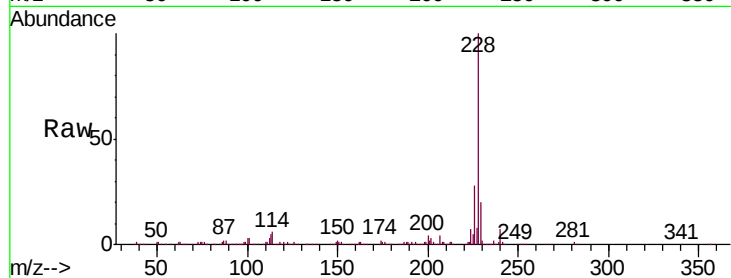
Tgt Ion: 228 Resp: 470803

Ion Ratio Lower Upper

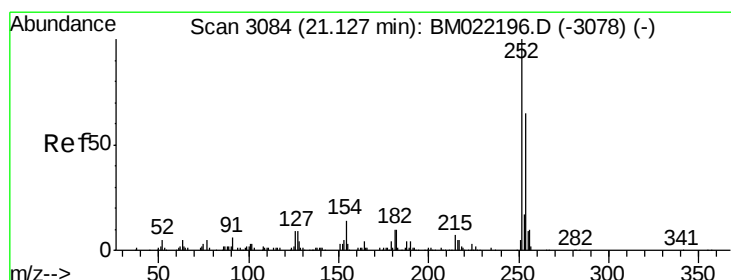
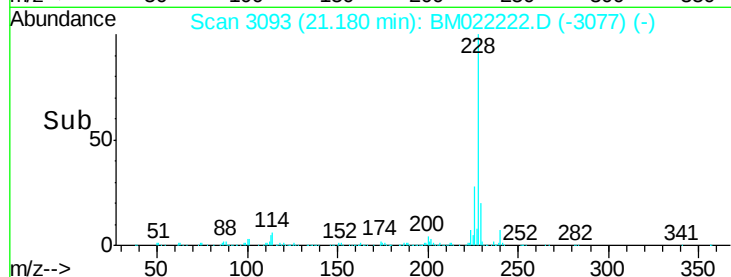
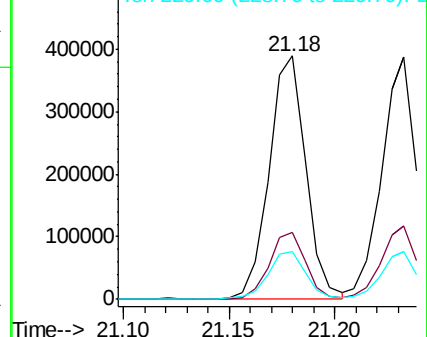
228 100

226 27.7 21.6 32.4

229 19.8 15.5 23.3



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



#82

3,3'-Dichlorobenzidine

Concen: 24.708 ng

RT: 21.12 min Scan# 3083

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

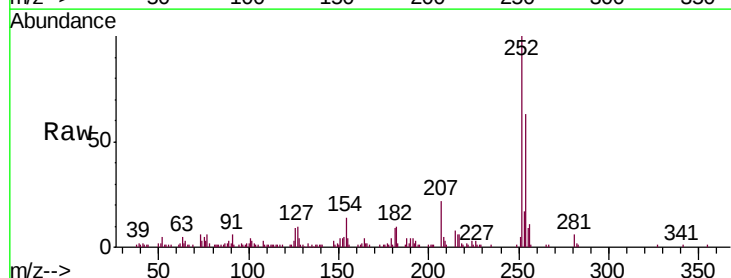
Tgt Ion: 252 Resp: 77233

Ion Ratio Lower Upper

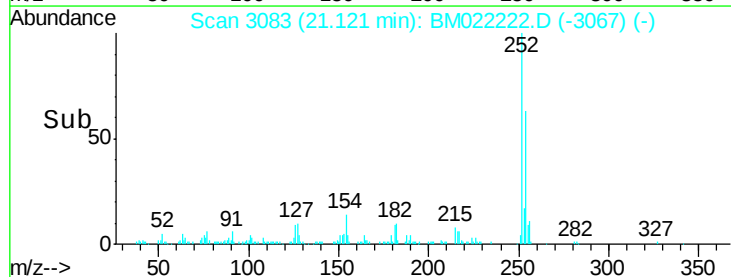
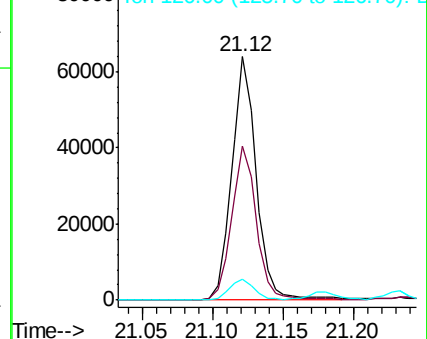
252 100

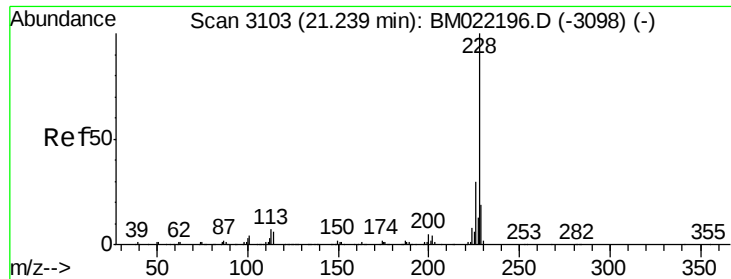
254 63.2 51.7 77.5

126 8.8 6.6 9.8



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 254.00 (253.70 to 254.70): E  
Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 51.316 ng

RT: 21.23 min Scan# 3102

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

Instrument :

BNA\_M

ClientSampleId :

REACTOR-3-C1-C4-(3)MS

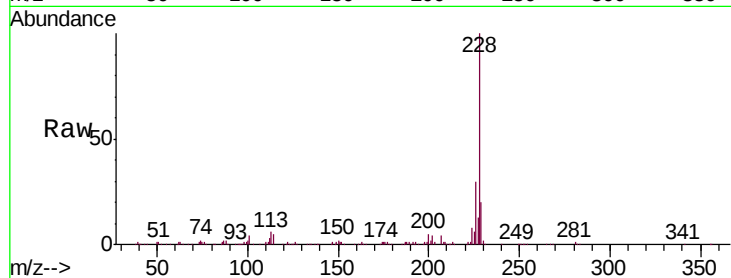
Tgt Ion:228 Resp: 444112

Ion Ratio Lower Upper

228 100

226 30.5 24.1 36.1

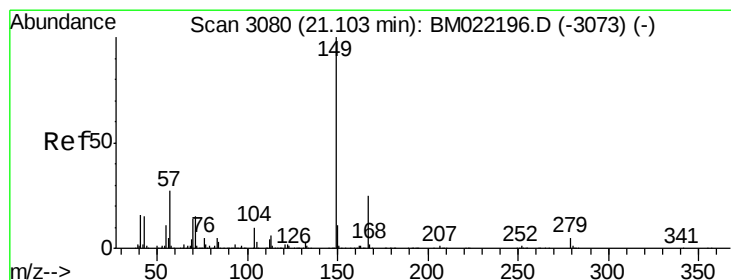
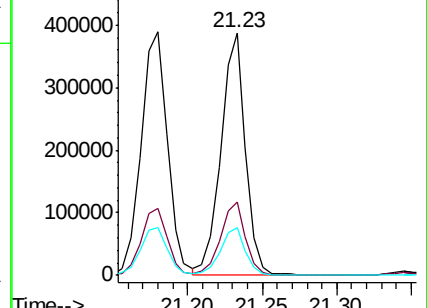
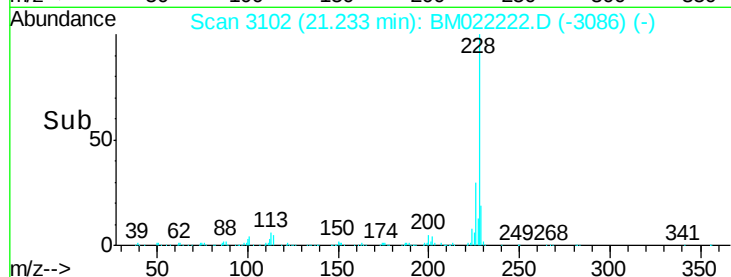
229 19.6 15.6 23.4



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: 42.985 ng

RT: 21.10 min Scan# 3079

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

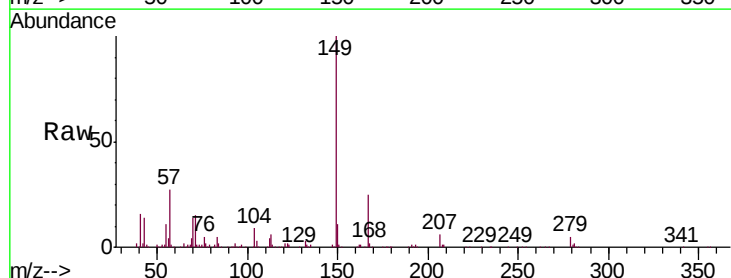
Tgt Ion:149 Resp: 259449

Ion Ratio Lower Upper

149 100

167 25.1 23.0 34.4

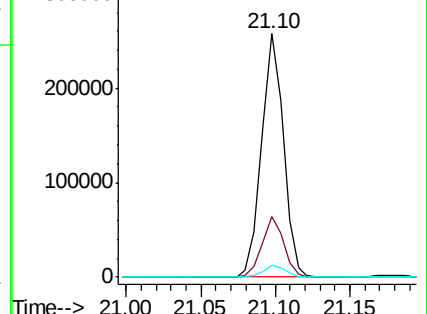
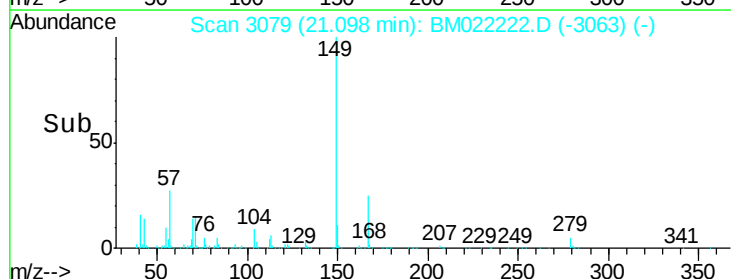
279 4.8 4.6 7.0

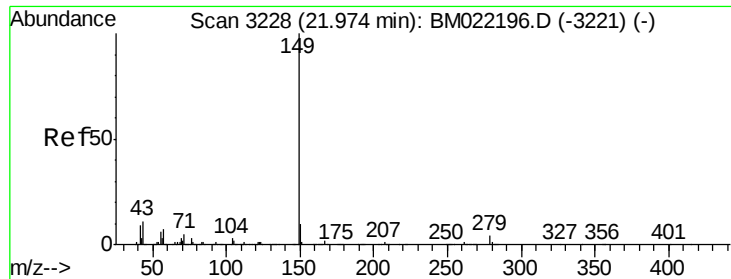


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

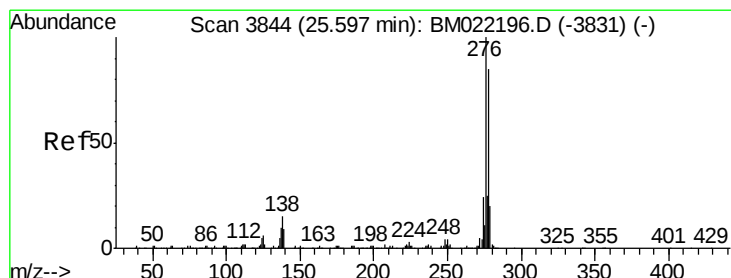
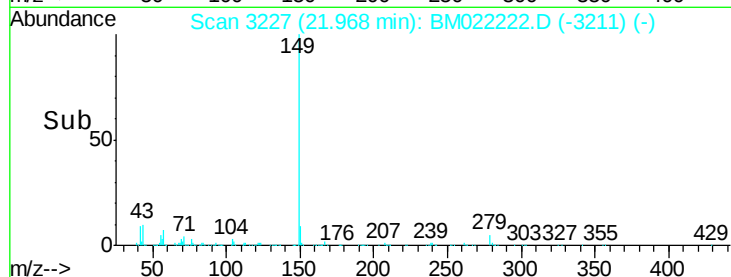
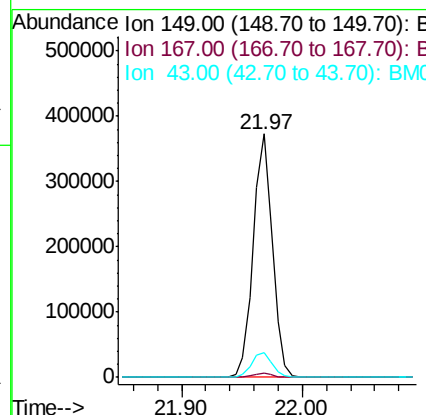
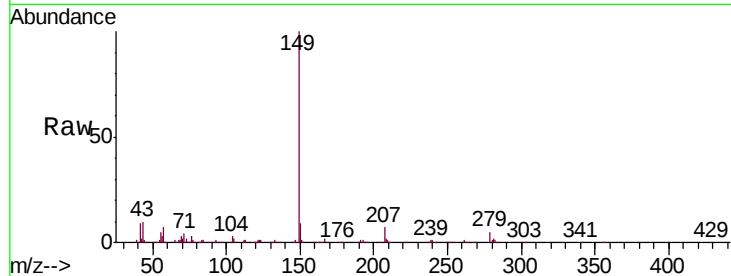




#85  
Di-n-octyl phthalate  
Concen: 42.357 ng  
RT: 21.97 min Scan# 3227  
Delta R.T. -0.01 min  
Lab File: BM022222.D  
Acq: 21 Aug 2019 10:49

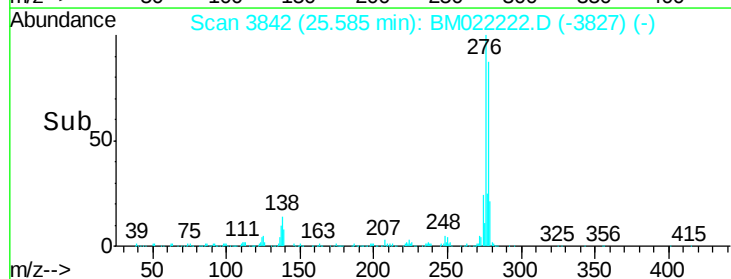
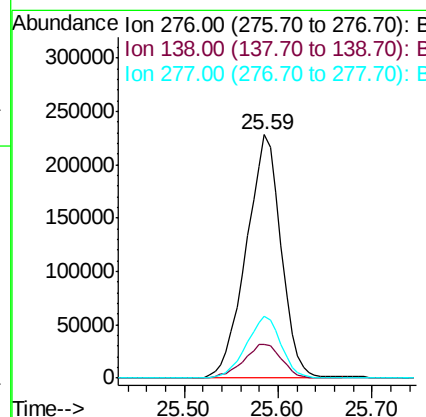
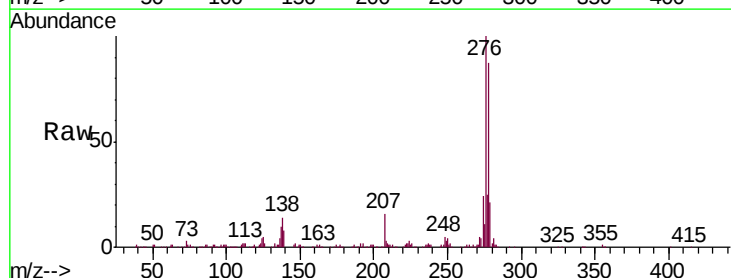
Instrument :  
BNA\_M  
ClientSampleId :  
REACTOR-3-C1-C4-(3)MS

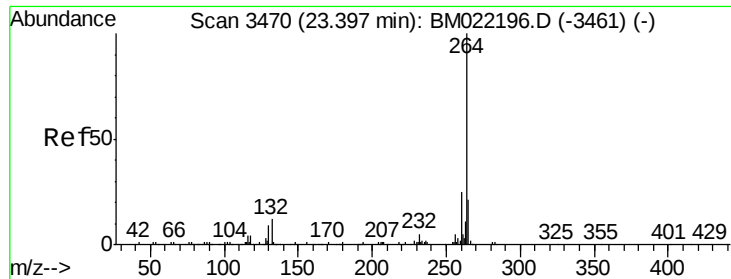
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.5   | 1.3   | 1.9   |
| 43      | 10.8  | 6.2   | 9.2#  |



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 60.045 ng  
RT: 25.59 min Scan# 3842  
Delta R.T. -0.01 min  
Lab File: BM022222.D  
Acq: 21 Aug 2019 10:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 15.2  | 15.4  | 23.0# |
| 277     | 25.6  | 20.4  | 30.6  |

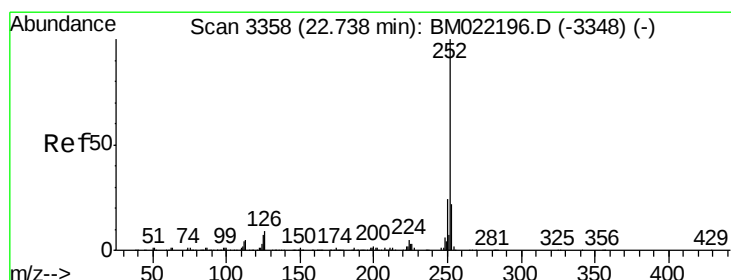
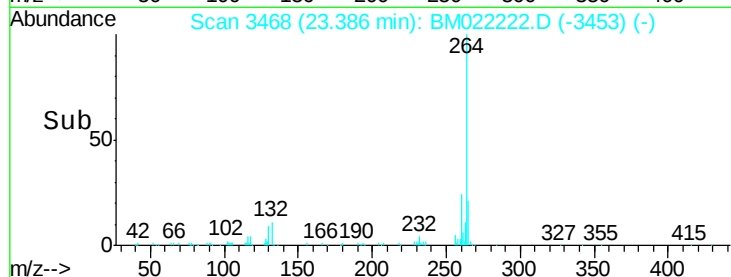
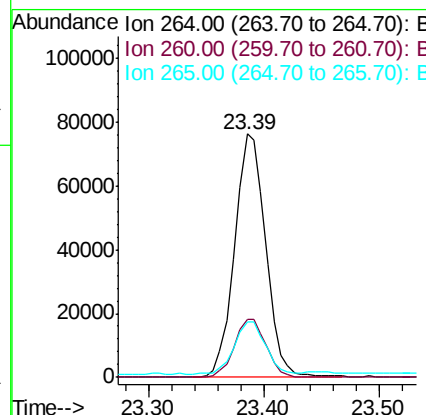
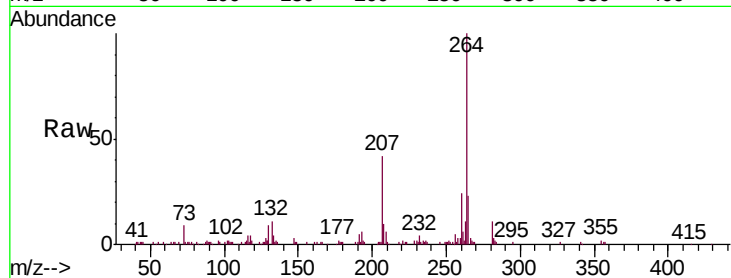




#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.39 min Scan# 3468  
Delta R.T. -0.01 min  
Lab File: BM022222.D  
Acq: 21 Aug 2019 10:49

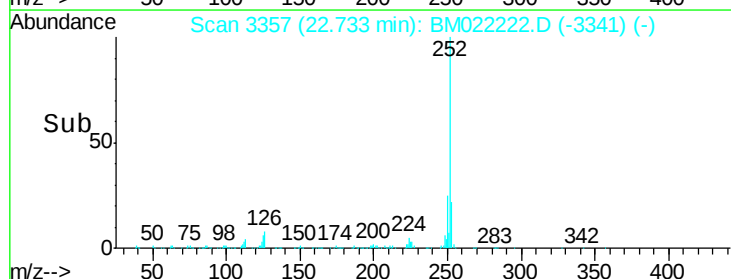
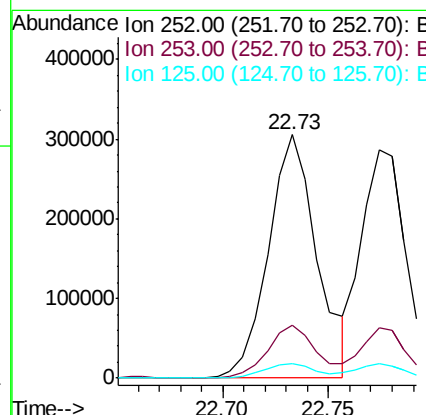
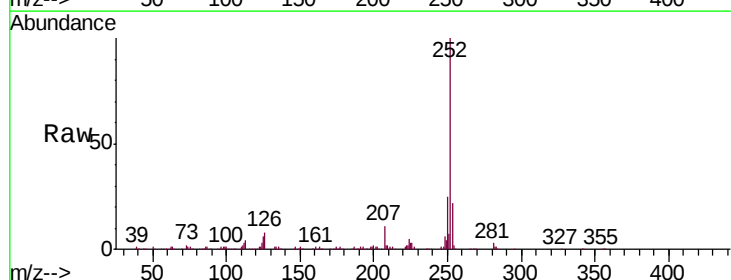
Instrument :  
BNA\_M  
ClientSampleId :  
REACTOR-3-C1-C4-(3)MS

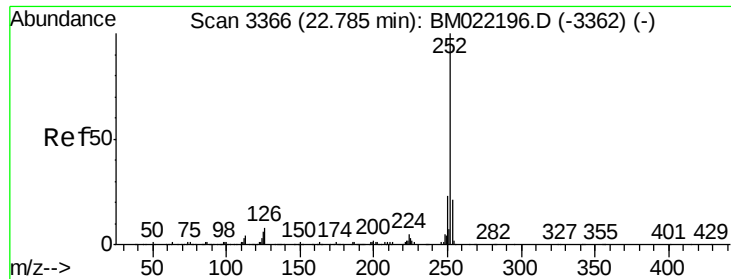
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 142352 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 24.0  | 19.0  | 28.4   |
| 265      | 22.6  | 17.7  | 26.5   |



#88  
Benzo(b)fluoranthene  
Concen: 51.211 ng  
RT: 22.73 min Scan# 3357  
Delta R.T. -0.01 min  
Lab File: BM022222.D  
Acq: 21 Aug 2019 10:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 252   | Resp: | 486768 |
| Ion      | Ratio | Lower | Upper  |
| 252      | 100   |       |        |
| 253      | 21.9  | 17.4  | 26.0   |
| 125      | 6.2   | 5.9   | 8.9    |





#89

Benzo(k)fluoranthene

Concen: 45.131 ng

RT: 22.77 min Scan# 3364

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

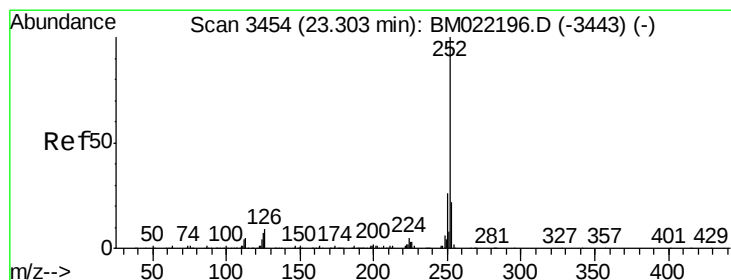
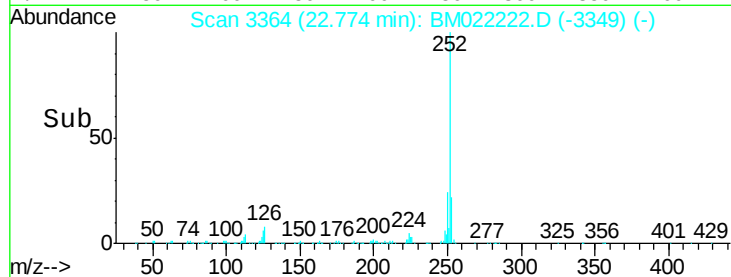
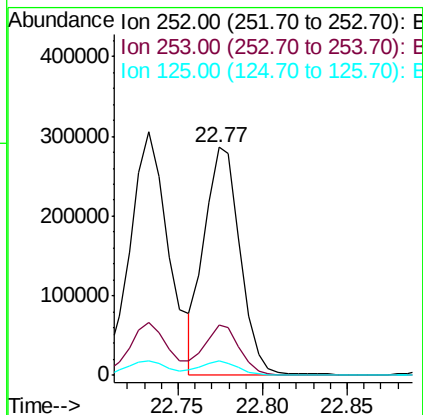
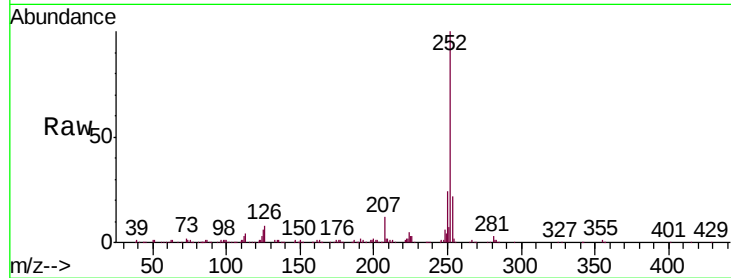
Instrument :

BNA\_M

ClientSampleId :

REACTOR-3-C1-C4-(3)MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 419329 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.0  | 17.5  | 26.3   |
| 125       | 6.2   | 5.9   | 8.9    |



#90

Benzo(a)pyrene

Concen: 52.319 ng

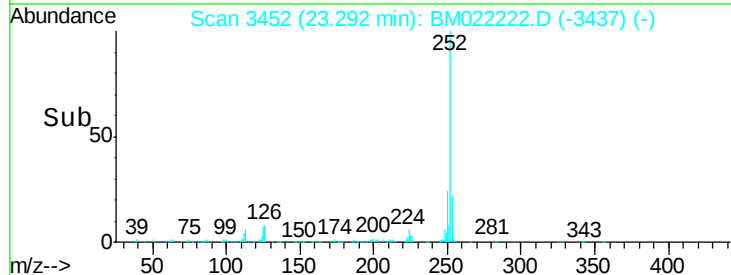
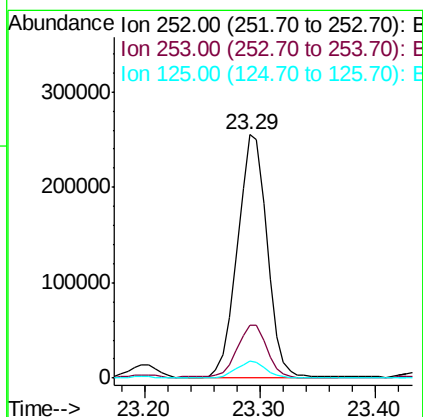
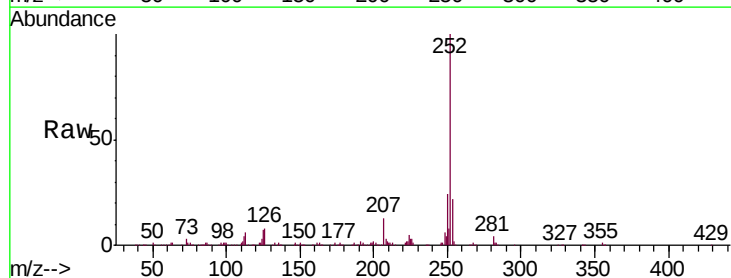
RT: 23.29 min Scan# 3452

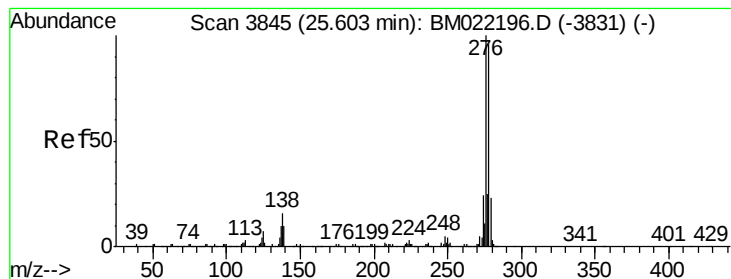
Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 452891 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.9  | 17.5  | 26.3   |
| 125       | 7.1   | 6.6   | 10.0   |





#91

Dibenzo(a,h)anthracene

Concen: 51.527 ng

RT: 25.59 min Scan# 3843

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

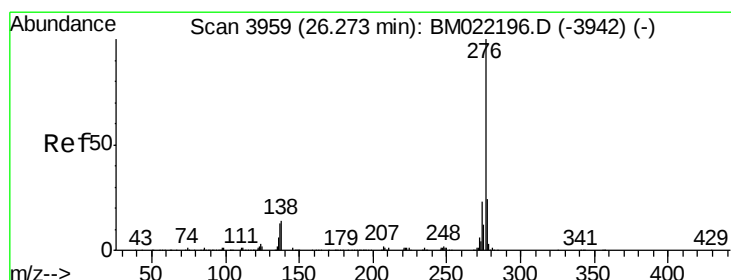
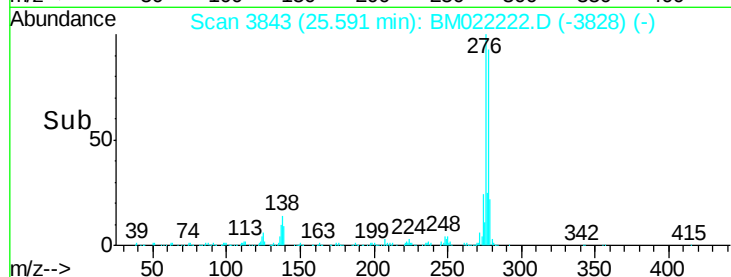
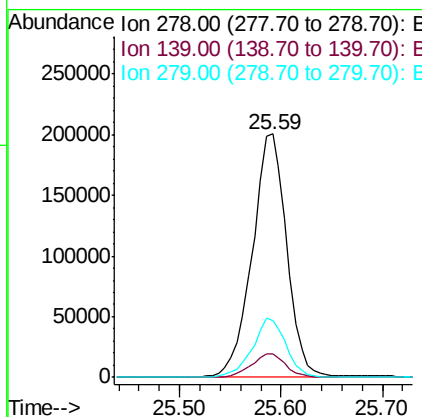
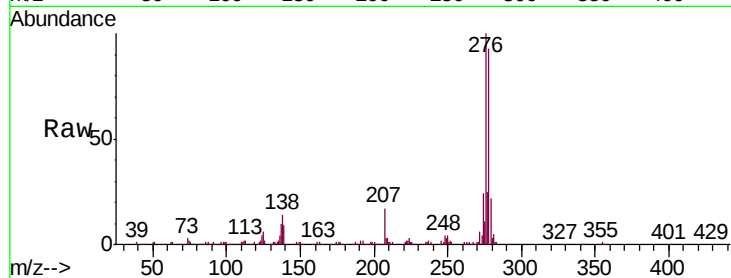
Instrument :

BNA\_M

ClientSampleId :

REACTOR-3-C1-C4-(3)MS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 278   | Resp: | 473939 |
| Ion      | Ratio | Lower | Upper  |
| 278      | 100   |       |        |
| 139      | 9.5   | 9.8   | 14.8#  |
| 279      | 23.3  | 18.7  | 28.1   |



#92

Benzo(g,h,i)perylene

Concen: 56.794 ng

RT: 26.26 min Scan# 3957

Delta R.T. -0.01 min

Lab File: BM022222.D

Acq: 21 Aug 2019 10:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 276   | Resp: | 456699 |
| Ion      | Ratio | Lower | Upper  |
| 276      | 100   |       |        |
| 277      | 23.9  | 18.8  | 28.2   |
| 138      | 13.6  | 13.1  | 19.7   |

